

<b>SOLICITATION, OFFER AND AWARD</b>				1. THIS CONTRACT IS A RATED ORDER UNDER DPAS (15 CFR 700)		RATING <b>DX-C9</b>		PAGE OF PAGES 1   78			
2. CONTRACT NO. HQ079617D0001P00005		3. SOLICITATION NO. H05001-15-R-0001		4. TYPE OF SOLICITATION [ ] SEALED BID (IFB) [X] NEGOTIATED (RFP)		5. DATE ISSUED 20 May 2016		6. REQUISITION/PURCHASE NO.			
7. ISSUED BY MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 TEL: FAX:				CODE HQ0796		8. ADDRESS OFFER TO (If other than Item 7) MDA INTEGRATION & OPS CTR (MDIOC) 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 TEL: FAX:					
				CODE H95001							
NOTE: In sealed bid solicitations "offer" and "offeror" mean "bid" and "bidder".											
<b>SOLICITATION</b>											
9. Sealed offers in original and <u>1</u> copies for furnishing the supplies or services in the Schedule will be received at the place specified in Item 8, or if handcarried, in the depository located in <u>See Section L</u> until <u>                    </u> local time <u>                    </u> (Hour) (Date)											
CAUTION - LATE Submissions, Modifications, and Withdrawals: See Section L, Provision No. 52.214-7 or 52.215-1. All offers are subject to all terms and conditions contained in this solicitation.											
10. FOR INFORMATION CALL:		A. NAME (b)(6)		B. TELEPHONE (Include area code) (NO COLLECT CALLS) (b)(6)		C. E-MAIL ADDRESS (b)(6)					
<b>II. TABLE OF CONTENTS</b>											
(X)	SEC.	DESCRIPTION			PAGE(S)	(X)	SEC.	DESCRIPTION			
<b>PART I - THE SCHEDULE</b>						<b>PART II - CONTRACT CLAUSES</b>					
	A	SOLICITATION/ CONTRACT FORM					I	CONTRACT CLAUSES			
	B	SUPPLIES OR SERVICES AND PRICES/ COSTS				<b>PART III - LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS</b>					
	C	DESCRIPTION/ SPECS/ WORK STATEMENT					J	LIST OF ATTACHMENTS			
	D	PACKAGING AND MARKING				<b>PART IV - REPRESENTATIONS AND INSTRUCTIONS</b>					
	E	INSPECTION AND ACCEPTANCE					K	REPRESENTATIONS, CERTIFICATIONS AND OTHER STATEMENTS OF OFFERORS			
	F	DELIVERIES OR PERFORMANCE					L	INSTRS, CONDS, AND NOTICES TO OFFERORS			
	G	CONTRACT ADMINISTRATION DATA					M	EVALUATION FACTORS FOR AWARD			
	H	SPECIAL CONTRACT REQUIREMENTS									
<b>OFFER (Must be fully completed by offeror)</b>											
NOTE: Item 12 does not apply if the solicitation includes the provisions at 52.214-16, Minimum Bid Acceptance Period.											
12. In compliance with the above, the undersigned agrees, if this offer is accepted within <u>                    </u> calendar days (60 calendar days unless a different period is inserted by the offeror) from the date for receipt of offers specified above, to furnish any or all items upon which prices are offered at the price set opposite each item, delivered at the designated point(s), within the time specified in the schedule.											
13. DISCOUNT FOR PROMPT PAYMENT (See Section I, Clause No. 52.232-8)											
14. ACKNOWLEDGMENT OF AMENDMENTS (The offeror acknowledges receipt of amendments to the SOLICITATION for offerors and related documents numbered and dated):				AMENDMENT NO.		DATE		AMENDMENT NO.		DATE	
15A. NAME AND ADDRESS OF OFFEROR		CODE 7EBK3		FACILITY		16. NAME AND TITLE OF PERSON AUTHORIZED TO SIGN OFFER (Type or print)					
JACOBS TECHNOLOGY INC. 550 WILLIAM NORTHERN BLVD. TULSA, OKLA. 74103-4727											
15B. TELEPHONE NO. (Include area code)				15C. CHECK IF REMITTANCE ADDRESS IS DIFFERENT FROM ABOVE - ENTER SUCH ADDRESS IN SCHEDULE.				17. SIGNATURE		18. OFFER DATE	
				<input type="checkbox"/>							
<b>AWARD (To be completed by Government)</b>											
19. ACCEPTED AS TO ITEMS NUMBERED All				20. AMOUNT \$4,600,000.000.00 EST		21. ACCOUNTING AND APPROPRIATION					
22. AUTHORITY FOR USING OTHER THAN FULL AND OPEN COMPETITION: <input type="checkbox"/> 10 U.S.C. 2304(c)( ) <input type="checkbox"/> 41 U.S.C. 253(c)( )						23. SUBMIT INVOICES TO ADDRESS SHOWN IN (4 copies unless otherwise specified)				ITEM Section G	
24. ADMINISTERED BY (If other than Item 7) DCMA HUNTSVILLE 1440 RESEARCH BLVD SUITE 100 MADISON AL 35758-2040 SGD: A				CODE S0107A		25. PAYMENT WILL BE MADE BY DFAS COLUMBUS CENTER SOUTH ENTITLEMENT OPERATIONS P.O. BOX 182284 COLUMBUS OH 43218-2284				CODE HQ0338	
26. NAME OF CONTRACTING OFFICER (Type or print) (b)(6) EMAIL: (b)(6)						27. UNITED STATES OF AMERICA (b)(6) (Signature of Contracting Officer)				28. AWARD DATE 09-Aug-2017	

IMPORTANT - Award will be made on this Form, or on Standard Form 26, or by other authorized official written notice.

Section B - Supplies or Services and Prices

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001	Services/Solutions (CPIF - Base) CPIF Efforts within the scope of the IRES Statement of Objectives (Attachment J-01) will be awarded under individual task orders. The contract-level line item structure is created for internal Government administrative purposes only in order to facilitate issuance of task orders and data collection within the contracting writing system. FOB: Destination	(b)(4)	(b)(4)		(b)(4)
				TARGET COST TARGET FEE	(b)(4)
				TOTAL TGT COST + FEE	
				MINIMUM FEE	
				MAXIMUM FEE	
				SHARE RATIO ABOVE TARGET SHARE RATIO BELOW TARGET	

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0002	Services/Solutions (FPI - Base) FPI Efforts within the scope of the IRES Statement of Objectives (Attachment J-01) will be awarded under individual task orders. The contract-level line item structure is created for internal Government administrative purposes only in order to facilitate issuance of task orders and data collection within the contracting writing system. FOB: Destination	(b)(4)	(b)(4)		(b)(4)
				TARGET COST TARGET PROFIT	(b)(4)
				TOTAL TARGET PRICE	
				CEILING PRICE	
				SHARE RATIO ABOVE TARGET SHARE RATIO BELOW TARGET	

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0003	Services/Solutions (FFP - Base) FFP Efforts within the scope of the IRES Statement of Objectives (Attachment J-01) will be awarded under individual task orders. The contract-level line item structure is created for internal Government administrative purposes only in order to facilitate issuance of task orders and data collection within the contracting writing system. FOB: Destination	(b)(4)	(b)(4)	(b)(4)	(b)(4)
NET AMT					(b)(4)

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0004	Services/Solutions (CPFF - Base) CPFF Efforts within the scope of the IRES Statement of Objectives (Attachment J-01) will be awarded under individual task orders. The contract-level line item structure is created for internal Government administrative purposes only in order to facilitate issuance of task orders and data collection within the contracting writing system. [NOTE: MDA-funded CPFF task orders and line items must be approved IAW DA-APC-01.] FOB: Destination	(b)(4)			(b)(4)
ESTIMATED COST FIXED FEE					(b)(4)
TOTAL EST COST + FEE					(b)(4)

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0010	Award Fee (Cost - Base) COST Efforts within the scope of the IRES Statement of Objectives (Attachment J-01) will be awarded under individual task orders. The contract-level line item structure is created for internal Government administrative purposes only in order to facilitate issuance of task orders and data collection within the contracting writing system. FOB: Destination	(b)(4)			(b)(4)
				ESTIMATED COST	(b)(4)

FSC CD: AC23

ITEMNO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNITPRICE	AMOUNT
0020	CAP HW, SW, & Equip (Cost - Base) COST Efforts within the scope of the IRES Statement of Objectives (Attachment J-01) will be awarded under individual task orders. The contract-level line item structure is created for internal Government administrative purposes only in order to facilitate issuance of task orders and data collection within the contracting writing system. NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent. FOB: Destination	(b)(4)			(b)(4)
				ESTIMATED COST	(b)(4)

FSC CD: 7025

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0021	<p>CAP IHW, SW, &amp; Equip (CPIF - Base)</p> <p>CPIF</p> <p>Efforts within the scope of the IRES Statement of Objectives (Attachment J-01) will be awarded under individual task orders. The contract-level line item structure is created for internal Government administrative purposes only in order to facilitate issuance of task orders and data collection within the contracting writing system.</p> <p>NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.</p> <p>FOB: Destination</p>	(b)(4)			(b)(4)
				TARGET COST	(b)(4)
				TARGET FEE	
				TOTAL TGT COST + FEE	
				MINIMUM FEE	
				MAXIMUM FEE	
				SHARE RATIO ABOVE TARGET	
				SHARE RATIO BELOW TARGET	

FSC CD: 7025

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0022	<p>CAP IHW, SW, &amp; Equip (FPI - Base)</p> <p>FPI</p> <p>Efforts within the scope of the IRES Statement of Objectives (Attachment J-01) will be awarded under individual task orders. The contract-level line item structure is created for internal Government administrative purposes only in order to facilitate issuance of task orders and data collection within the contracting writing system.</p> <p>NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.</p> <p>FOB: Destination</p>	(b)(4)			(b)(4)
				TARGET COST	(b)(4)
				TARGET PROFIT	
				TOTAL TARGET PRICE	
				CEILING PRICE	
				SHARE RATIO ABOVE TARGET	
				SHARE RATIO BELOW TARGET	

FSC CD: 7025

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0023	CAP HW, SW, & Equip (FFP- Base) FFP Efforts within the scope of the IRES Statement of Objectives (Attachment J-01) will be awarded under individual task orders. The contract-level line item structure is created for internal Government administrative purposes only in order to facilitate issuance of task orders and data collection within the contracting writing system. NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent. FOB: Destination	(b)(4)			(b)(4)
NET AMT					(b)(4)

FSC CD: 7025

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
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0030	Data and CAP Delivery (NSP - Base) FFP Efforts within the scope of the IRES Statement of Objectives (Attachment J-01) will be awarded under individual task orders. The contract-level line item structure is created for internal Government administrative purposes only in order to facilitate issuance of task orders and data collection within the contracting writing system. NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent. FOB: Destination	2,500	Lot		NSP
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NET AMT

FSC CD: AC23

ITEMNO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
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1001	Services/Solutions (CPIF - AT1) CPIF Award Term 1: Efforts within the scope of the IRES Statement of Objectives (Attachment J-01) will be awarded under individual task orders. The contract-level line item structure is created for internal Government administrative purposes only in order to facilitate issuance of task orders and data collection within the contracting writing system. [NOTE: This line item is currently unexecuted. Reference the Performance Evaluation and Incentive Plan (Attachment J-06); a contract modification will be issued if/when the ordering period is extended under the award term. Reference B-01; quantity and value will also be moved from the base to the executed award term line items to enable issuance of task orders.] FOB: Destination	(b)(4)			(b)(4)
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TARGET COST	(b)(4)
TARGET FEE	(b)(4)
TOTAL TGT COST + FEE	(b)(4)
MINIMUM FEE	(b)(4)
MAXIMUM FEE	(b)(4)
SHARE RATIO ABOVE TARGET	(b)(4)
SHARE RATIO BELOW TARGET	(b)(4)

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1002		(b)(4)			(b)(4)
	Services/Solutions (FPI - AT1)				
	FPI				
	Award Term 1: Efforts within the scope of the IRES Statement of Objectives (Attachment J-01 ) will be awarded under individual task orders. The contract level line item structure is created for internal Government administrative purposes only in order to facilitate issuance of task orders and data collection within the contracting writing system. [NOTE: This line item is currently unexecuted. Reference the Performance Evaluation and Incentive Plan (Attachment J-06); a contract modification will be issued if/when the ordering period is extended under the award term. Reference B-01 ; quantity and value will also be moved from the base to the executed award term line items to enable issuance of task orders.]				
	FOB: Destination				
				TARGET COST	(b)(4)
				TARGET PROFIT	
				TOTAL TARGET PRICE	
				CEILING PRICE	
				SHARE RATIO ABOVE TARGET	
				SHARE RATIO BELOW TARGET	

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1003		(b)(4)			(b)(4)
	Services/ Solutions (FFP - AT1) FFP Award Tenn 1: Efforts within the scope of the IRES Statement of Objectives (Attachment J-01 ) will be awarded under individual task orders. The contract-level line item structure is created for internal Government administrative purposes only in order to facilitate issuance of task orders and data collection within the contracting writing system. [NOTE: This line item is currently unexecuted. Reference the Performance Evaluation and Incentive Plan (Attachment J-06); a contract modification will be issued if/when the ordering period is extended under the award term. Reference B-01 ; quantity and value will also be moved from the base to the executed award term line items to enable issuance of task orders.] FOB: Destination				

NET AMT

(b)(4)

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1004		(b)(4)			(b)(4)
	Services/ Solutions (CPFF - AT1) CPFF Award Term 1: Efforts within the scope of the IRES Statement of Objectives (Attachment J-01 ) will be awarded under individual task orders. The contract-level line item structure is created for internal Government administrative purposes only in order to facilitate issuance of task orders and data collection within the contracting writing system. [NOTE: MDA-funded CPFF task orders and line items must be approved IAW D A-APC-01.] [NOTE: This line item is currently unexecuted. Reference the Performance Evaluation and Incentive Plan (Attachment J-06); a contract modification will be issued if/when the ordering period is extended under the award term. Reference B-01; quantity and value will also be moved from the base to the executed award term line items to enable issuance of task orders.] FOB: Destination				

ESTIMATED COST  
FIXED FEE

TOTAL EST COST + FEE

(b)(4)

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1010	Award Fee (Cost - AT1) COST Award Term 1: Efforts within the scope of the IRES Statement of Objectives (Attachment J-01) will be awarded under individual task orders. The contract-level line item structure is created for internal Government administrative purposes only in order to facilitate issuance of task orders and data collection within the contracting writing system. [NOTE: This line item is currently unexecuted. Reference the Performance Evaluation and Incentive Plan (Attachment J-06); a contract modification will be issued if/when the ordering period is extended under the award term. Reference B-01; quantity and value will also be moved from the base to the executed award term line items to enable issuance of task orders.] FOB: Destination	(b)(4)			(b)(4)
				ESTIMATED COST	(b)(4)

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1020	CAP HW, SW, & Equip (Cost - AT1) COST Award Term 1: Efforts within the scope of the IRES Statement of Objectives (Attachment J-01) will be awarded under individual task orders. The contract-level line item structure is created for internal Government administrative purposes only in order to facilitate issuance of task orders and data collection within the contracting writing system. [NOTE: This line item is currently unexecuted. Reference the Performance Evaluation and Incentive Plan (Attachment J-06); a contract modification will be issued if/when the ordering period is extended under the award term. Reference B-01; quantity and value will also be moved from the base to the executed award term line items to enable issuance of task orders.] NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent. FOB: Destination	(b)(4)			(b)(4)
				ESTIMATED COST	(b)(4)

FSC CD: 7025

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1021	CAP HW, SW, & Equip (CPIF - AT1) CPIF Award Term 1: Efforts within the scope of the IRES Statement of Objectives (Attachment J-01 ) will be awarded under individual task orders. The contract-level line item structure is created for internal Government administrative purposes only in order to facilitate issuance of task orders and data collection within the contracting writing system. [NOTE: This line item is currently unexecuted. Reference the Performance Evaluation and Incentive Plan (Attachment J-06); a contract modification will be issued if/when the ordering period is extended under the award term. Reference B-01; quantity and value will also be moved from the base to the executed award term line items to enable issuance of task orders.] NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent. FOB: Destination	(b)(4)			(b)(4)
				TARGET COST	(b)(4)
				TARGET FEE	
				TOTAL TGT COST + FEE	
				MINIMUM FEE	
				MAXIMUM FEE	
				SHARE RATIO ABOVE TARGET	
				SHARE RATIO BELOW TARGET	

FSC CD: 7025

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1022		(b)(4)			(b)(4)
	CAP HW, SW, & Equip (FPI - AT1)				
	FPI				
	Award Term 1: Efforts within the scope of the IRES Statement of Objectives (Attachment J-01) will be awarded under individual task orders. The contract-level line item structure is created for internal Government administrative purposes only in order to facilitate issuance of task orders and data collection within the contracting writing system. [NOTE: This line item is currently unexecuted. Reference the Performance Evaluation and Incentive Plan (Attachment J-06); a contract modification will be issued if/when the ordering period is extended under the award term. Reference B-01; quantity and value will also be moved from the base to the executed award term line items to enable issuance of task orders.]				
	NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.				
	FOB: Destination				
				TARGET COST	(b)(4)
				TARGET PROFIT	
				TOTAL TARGET PRICE	
				CEILING PRICE	
				SHARE RATIO ABOVE TARGET	
				SHARE RATIO BELOW TARGET	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1023	CAP HW, SW, & Equip (FFP - ATT) FFP Award Tenn 1: Efforts within the scope of the IRES Statement of Objectives (Attachment J-01 ) will be awarded under individual task orders. The contract-level line item structure is created for internal Government administrative purposes only in order to facilitate issuance of task orders and data collection within the contracting writing system. [NOTE: This line item is currently unexecuted. Reference the Performance Evaluation and Incentive Plan (Attachment J-06); a contract modification will be issued if/when the ordering period is extended under the award term. Reference B-01 ; quantity and value will also be moved from the base to the executed award term line items to enable issuance of task orders.] NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent. FOB: Destination	(b)(4)			(b)(4)
NET AMT					(b)(4)

FSC CD: 7025

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1030		1	Lot		NSP

Data and CAP Delivery (NSP- AT1)

FFP

Award Term 1: Efforts within the scope of the IRES Statement of Objectives (Attachment J-01 ) will be awarded under individual task orders. The contract-level line item structure is created for internal Government administrative purposes only in order to facilitate issuance of task orders and data collection within the contracting writing system. [NOTE: This line item is currently unexecuted. Reference the Performance Evaluation and Incentive Plan (Attachment J-06); a contract modification will be issued if/when the ordering period is extended under the award term. Reference B-01 ; quantity and value will also be moved from the base to the executed award term line items to enable issuance of task orders.]

NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.  
FOB: Destination

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NET AMT

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
2001	Services/ Solutions (CPIF - AT2) CPIF Award Term 2: Efforts within the scope of the IRES Statement of Objectives (Attachment J-01 ) will be awarded under individual task orders. The contract-level line item structure is created for internal Government administrative purposes only in order to facilitate issuance of task orders and data collection within the contracting writing system. [NOTE: This line item is currently unexecuted. Reference the Performance Evaluation and Incentive Plan (Attachment J-06); a contract modification will be issued if/when the ordering period is extended under the award term. Reference B-01; quantity and value will also be moved from the base to the executed award term line items to enable issuance of task orders.] FOB: Destination	(b)(4)			(b)(4)
				TARGET COST	(b)(4)
				TARGET FEE	
				TOTAL TGT COST + FEE	
				MINIMUM FEE	
				MAXIMUM FEE	
				SHARE RATIO ABOVE TARGET	
				SHARE RATIO BELOW TARGET	

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
2002		(b)(4)			(b)(4)

Services/Solutions (FPI - AT2)

FPI

Award Term 2: Efforts within the scope of the IRES Statement of Objectives (Attachment J-01) will be awarded under individual task orders. The contract-level line item structure is created for internal Government administrative purposes only in order to facilitate issuance of task orders and data collection within the contracting writing system. [NOTE: This line item is currently unexecuted. Reference the Performance Evaluation and Incentive Plan (Attachment J-06); a contract modification will be issued if/when the ordering period is extended under the award term. Reference B-01; quantity and value will also be moved from the base to the executed award term line items to enable issuance of task orders.]

FOB: Destination

TARGET COST  
TARGET PROFIT  
TOTAL TARGET PRICE  
CEILING PRICE  
SHARE RATIO ABOVE TARGET  
SHARE RATIO BELOW TARGET

(b)(4)

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
2003	Services/Solutions (FFP - AT2) FFP Award Term 2: Efforts within the scope of the IRES Statement of Objectives (Attachment J-01 ) will be awarded under individual task orders. The contract-level line item structure is created for internal Government administrative purposes only in order to facilitate issuance of task orders and data collection within the contracting writing system. [NOTE: This line item is currently unexecuted. Reference the Performance Evaluation and Incentive Plan (Attachment J-06); a contract modification will be issued if/when the ordering period is extended under the award term. Reference B-01 ; quantity and value will also be moved from the base to the executed award term line items to enable issuance of task orders.] FOB: Destination	(b)(4)			(b)(4)

NET AMT

(b)(4)

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
2004	Services/Solutions (CPFF - AT2) CPFF Award Term 2: Efforts within the scope of the IRES Statement of Objectives (Attachment J-01) will be awarded under individual task orders. The contract level line item structure is created for internal Government administrative purposes only in order to facilitate issuance of task orders and data collection within the contracting writing system. [NOTE: MDA-funded CPFF task orders and line items must be approved IAW D A-APC-01.] [NOTE: This line item is currently unexecuted. Reference the Performance Evaluation and Incentive Plan (Attachment J-06); a contract modification will be issued if/when the ordering period is extended under the award term. Reference B-01; quantity and value will also be moved from the base to the executed award term line items to enable issuance of task orders.] FOB: Destination	(b)(4)			(b)(4)
ESTIMATED COST FIXED FEE					(b)(4)
TOTAL EST COST + FEE					(b)(4)

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
2010		(b)(4)			(b)(4)

Award Fee (Cost - AT2)  
COST

Award Term 2: Efforts within the scope of the IRES Statement of Objectives (Attachment J-01) will be awarded under individual task orders. The contract-level line item structure is created for internal Government administrative purposes only in order to facilitate issuance of task orders and data collection within the contracting writing system. [NOTE: This line item is currently unexecuted. Reference the Performance Evaluation and Incentive Plan (Attachment J-06); a contract modification will be issued if/when the ordering period is extended under the award term. Reference B-01; quantity and value will also be moved from the base to the executed award term line items to enable issuance of task orders.]

FOB: Destination

ESTIMATED COST

(b)(4)

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
2020		(b)(4)			(b)(4)

CAP HW, SW, & Equip (Cost - AT2)  
COST

Award Term 2: Efforts within the scope of the IRES Statement of Objectives (Attachment J-01) will be awarded under individual task orders. The contract-level line item structure is created for internal Government administrative purposes only in order to facilitate issuance of task orders and data collection within the contracting writing system. [NOTE: This line item is currently unexecuted. Reference the Performance Evaluation and Incentive Plan (Attachment J-06); a contract modification will be issued if/when the ordering period is extended under the award term. Reference B-01; quantity and value will also be moved from the base to the executed award term line items to enable issuance of task orders.]

NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.

FOB: Destination

ESTIMATED COST

(b)(4)

FSC CD: 7025

ITEMNO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
2021		(b)(4)			(b)(4)
	CAP HW, SW, & Equip (CPIF - A12) CPIF Award Term 2: Efforts within the scope of the IRES Statement of Objectives (Attachment J-01) will be awarded under individual task orders. The contract-level line item structure is created for internal Government administrative purposes only in order to facilitate issuance of task orders and data collection within the contracting writing system. [NOTE: This line item is currently unexecuted. Reference the Performance Evaluation and Incentive Plan (Attachment J-06); a contract modification will be issued if/when the ordering period is extended under the award term. Reference B-01; quantity and value will also be moved from the base to the executed award term line items to enable issuance of task orders.] NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent. FOB: Destination				
				TARGET COST	(b)(4)
				TARGET FEE	
				TOTAL TGT COST + FEE	
				MINIMUM FEE	
				MAXIMUM FEE	
				SHARE RATIO ABOVE TARGET	
				SHARE RATIO BELOW TARGET	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
2022		(b)(4)			(b)(4)
	CAP HW, SW, & Equip (FPI - AT2)				
	FPI				
	Award Term 2: Efforts within the scope of the IRES Statement of Objectives (Attachment J-01) will be awarded under individual task orders. The contract-level line item structure is created for internal Government administrative purposes only in order to facilitate issuance of task orders and data collection within the contracting writing system. [NOTE: This line item is currently unexecuted. Reference the Performance Evaluation and Incentive Plan (Attachment J-06); a contract modification will be issued if/when the ordering period is extended under the award term. Reference B-01; quantity and value will also be moved from the base to the executed award term line items to enable issuance of task orders.]				
	NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.				
	FOB: Destination				
				TARGET COST	(b)(4)
				TARGET PROFIT	
				TOTAL TARGET PRICE	
				CEILING PRICE	
				SHARE RATIO ABOVE TARGET	
				SHARE RATIO BELOW TARGET	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
2023	CAP HW, SW, & Equip (FFP - A + Δ) FFP Award Term 2: Efforts within the scope of the IRES Statement of Objectives (Attachment J-01 ) will be awarded under individual task orders. The contract-level line item structure is created for internal Government administrative purposes only in order to facilitate issuance of task orders and data collection within the contracting writing system. [NOTE: This line item is currently unexecuted. Reference the Performance Evaluation and Incentive Plan (Attachment J-06); a contract modification will be issued if/when the ordering period is extended under the award term. Reference B-01 ; quantity and value will also be moved from the base to the executed award term line items to enable issuance of task orders.] NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent. FOB: Destination	(b)(4)			(b)(4)
NET AMT					(b)(4)

FSC CD: 7025

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
---------	-------------------	----------	------	------------	--------

2030

1

Lot

NSP

Data and CAP Delivery (NSP - AT2)

FFP

Award Term 2: Efforts within the scope of the IRES Statement of Objectives (Attachment J-01 ) will be awarded under individual task orders. The contract-level line item structure is created for internal Government administrative purposes only in order to facilitate issuance of task orders and data collection within the contracting writing system. [NOTE: This line item is currently unexecuted. Reference the Performance Evaluation and Incentive Plan (Attachment J-06); a contract modification will be issued if/when the ordering period is extended under the award term. Reference B-01 ; quantity and value will also be moved from the base to the executed award term line items to enable issuance of task orders.]

NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.

FOB: Destination

---

NET AMT

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
3001	Services/ Solutions (CPIF - AT3) CPIF Award Term 3: Efforts within the scope of the IRES Statement of Objectives (Attachment J-01 ) will be awarded under individual task orders. The contract-level line item structure is created for internal Government administrative purposes only in order to facilitate issuance of task orders and data collection within the contracting writing system. [NOTE: This line item is currently unexecuted. Reference the Performance Evaluation and Incentive Plan (Attachment J-06); a contract modification will be issued if/when the ordering period is extended under the award term. Reference B-01; quantity and value will also be moved from the base to the executed award term line items to enable issuance of task orders.] FOB: Destination	(b)(4)			(b)(4)
				TARGET COST	(b)(4)
				TARGET FEE	
				TOTAL TGT COST + FEE	
				MINIMUM FEE	
				MAXIMUM FEE	
				SHARE RATIO ABOVE TARGET	
				SHARE RATIO BELOW TARGET	

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
3002		(b)(4)			(b)(4)

Services/Solutions (FPI - AT3)

FPI

Award Term 3: Efforts within the scope of the IRES Statement of Objectives (Attachment J-01 ) will be awarded under individual task orders. The contract-level line item structure is created for internal Government administrative purposes only in order to facilitate issuance of task orders and data collection within the contracting writing system. [NOTE: This line item is currently unexecuted. Reference the Performance Evaluation and Incentive Plan (Attachment J-06); a contract modification will be issued if/when the ordering period is extended under the award term. Reference B-01 ; quantity and value will also be moved from the base to the executed award term line items to enable issuance of task orders.]

FOB: Destination

TARGET COST  
TARGET PROFIT  
TOTAL TARGET PRICE  
CEILING PRICE  
SHARE RATIO ABOVE TARGET  
SHARE RATIO BELOW TARGET

(b)(4)

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
3003		(b)(4)			(b)(4)
	Services/Solutions (FFP - AT3)				
	FFP				
	Award Term 3: Efforts within the scope of the IRES Statement of Objectives (Attachment J-01 ) will be awarded under individual task orders. The contract-level line item structure is created for internal Government administrative purposes only in order to facilitate issuance of task orders and data collection within the contracting writing system. [NOTE: This line item is currently unexecuted. Reference the Performance Evaluation and Incentive Plan (Attachment J-06); a contract modification will be issued if/when the ordering period is extended under the award term. Reference B-01 ; quantity and value will also be moved from the base to the executed award term line items to enable issuance of task orders.]				
	FOB: Destination				

NET AMT

(b)(4)

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
3004		(b)(4)			(b)(4)
	Services/Solutions (CPFF - AT3)				
	CPFF				
	Award Term 3: Efforts within the scope of the IRES Statement of Objectives (Attachment J-01) will be awarded under individual task orders. The contract-level line item structure is created for internal Government administrative purposes only in order to facilitate issuance of task orders and data collection within the contracting writing system. [NOTE: MDA-funded CPFF task orders and line items must be approved IAW D A-APC-01.] [NOTE: This line item is currently unexecuted. Reference the Performance Evaluation and Incentive Plan (Attachment J-06); a contract modification will be issued if/when the ordering period is extended under the award term. Reference B-01; quantity and value will also be moved from the base to the executed award term line items to enable issuance of task orders.]				
	FOB: Destination				

ESTIMATED COST  
FIXED FEE

TOTAL EST COST + FEE

(b)(4)

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
3010		(b)(4)			(b)(4)

Award Fee (Cost - AT3)  
COST

Award Term 3: Efforts within the scope of the IRES Statement of Objectives (Attachment J-01) will be awarded under individual task orders. The contract-level line item structure is created for internal Government administrative purposes only in order to facilitate issuance of task orders and data collection within the contracting writing system. [NOTE: This line item is currently unexecuted. Reference the Performance Evaluation and Incentive Plan (Attachment J-06); a contract modification will be issued if/when the ordering period is extended under the award term. Reference B-01; quantity and value will also be moved from the base to the executed award term line items to enable issuance of task orders.]

FOB: Destination

ESTIMATED COST

(b)(4)

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
3020		(b)(4)			(b)(4)

CAP HW, SW, & Equip (Cost - AT3)  
COST

Award Term 3: Efforts within the scope of the IRES Statement of Objectives (Attachment J-01) will be awarded under individual task orders. The contract-level line item structure is created for internal Government administrative purposes only in order to facilitate issuance of task orders and data collection within the contracting writing system. [NOTE: This line item is currently unexecuted. Reference the Performance Evaluation and Incentive Plan (Attachment J-06); a contract modification will be issued if/when the ordering period is extended under the award term. Reference B-01; quantity and value will also be moved from the base to the executed award term line items to enable issuance of task orders.]

NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.

FOB: Destination

ESTIMATED COST

(b)(4)

FSC CD: 7025

ITEMNO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
3021	CAP HW, SW, & Equip (CPIF - AT3) CPIF Award Term 3: Efforts within the scope of the IRES Statement of Objectives (Attachment J-01) will be awarded under individual task orders. The contract-level line item structure is created for internal Government administrative purposes only in order to facilitate issuance of task orders and data collection within the contracting writing system. [NOTE: This line item is currently unexecuted. Reference the Performance Evaluation and Incentive Plan (Attachment J-06); a contract modification will be issued if/when the ordering period is extended under the award term. Reference B-01; quantity and value will also be moved from the base to the executed award term line items to enable issuance of task orders.] NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent. FOB: Destination	(b)(4)			(b)(4)
				TARGET COST TARGET FEE	(b)(4)
				TOTAL TGT COST + FEE	
				MINIMUM FEE	
				MAXIMUM FEE	
				SHARE RATIO ABOVE TARGET SHARE RATIO BELOW TARGET	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
3022		(b)(4)			(b)(4)
	CAP HW, SW, & Equip (FPIF - AT3)				
	FPI				
	Award Term 3: Efforts within the scope of the IRES Statement of Objectives (Attachment J-01) will be awarded under individual task orders. The contract-level line item structure is created for internal Government administrative purposes only in order to facilitate issuance of task orders and data collection within the contracting writing system. [NOTE: This line item is currently unexecuted. Reference the Performance Evaluation and Incentive Plan (Attachment J-06); a contract modification will be issued if/when the ordering period is extended under the award term. Reference B-01; quantity and value will also be moved from the base to the executed award term line items to enable issuance of task orders.]				
	NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.				
	FOB: Destination				
				TARGET COST	(b)(4)
				TARGET PROFIT	
				TOTAL TARGET PRICE	
				CEILING PRICE	
				SHARE RATIO ABOVE TARGET	
				SHARE RATIO BELOW TARGET	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
3023	<p>CAP HW, SW, &amp; Equip (FFP - AT3)</p> <p>FFP</p> <p>Award Term 3: Efforts within the scope of the IRES Statement of Objectives (Attachment J-01 ) will be awarded under individual task orders. The contract-level line item structure is created for internal Government administrative purposes only in order to facilitate issuance of task orders and data collection within the contracting writing system. [NOTE: This line item is currently unexecuted. Reference the Performance Evaluation and Incentive Plan (Attachment J-06); a contract modification will be issued if/when the ordering period is extended under the award term. Reference B-01 ; quantity and value will also be moved from the base to the executed award term line items to enable issuance of task orders.]</p> <p>NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.</p> <p>FOB: Destination</p>	(b)(4)			(b)(4)
NET AMT					(b)(4)

FSC CD: 7025

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
3030		1	Lot		NSP

Data and CAP Delivery (NSP - AT3)

FFP

Award Term 3: Efforts within the scope of the IRES Statement of Objectives (Attachment J-01 ) will be awarded under individual task orders. The contract-level line item structure is created for internal Government administrative purposes only in order to facilitate issuance of task orders and data collection within the contracting writing system. [NOTE: This line item is currently unexecuted. Reference the Performance Evaluation and Incentive Plan (Attachment J-06); a contract modification will be issued if/when the ordering period is extended under the award term. Reference B-01 ; quantity and value will also be moved from the base to the executed award term line items to enable issuance of task orders.]

NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.  
FOB: Destination

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 NET AMT

FSC CD: AC23

## CLAUSES INCORPORATED BY FULL TEXT

### B-01 NOTIONAL CLIN VALUES (JUL 2011)

All line items on the base contract document provide estimated values that are established in Section B as notional place holder values assigned by the Government to facilitate issuance of task orders. These estimated line item values are not binding. The notional line item values identified in Section B may be adjusted by the Contracting Officer on a unilateral basis in administrative modifications to this contract.

### MINIMUM/MAXIMUM CONTRACT VALUE

### CONTRACT MINIMUM/MAXIMUM QUANTITY AND CONTRACT VALUE

The minimum quantity and contract value for all cumulative orders issued against this contract shall not be less than the minimum quantity and contract value stated in the following table. The estimated maximum quantity and contract value for all cumulative orders issued against this contract is as stated in the following table.

MINIMUM QUANTITY	MINIMUM VALUE	MAXIMUM QUANTITY	MAXIMUM VALUE
N/A	(b)(4)	N/A	\$4,600,000,000

Section C - Descriptions and Specifications

CLAUSES INCORPORATED BY FULL TEXT

C-01 SCOPE OF WORK (MAY 2005)

Section J Attachment 01, IRES Contract Statement of Objectives, is the overarching document outlining the scope of the contract and the high-level objectives. The contractor shall perform the work as specified in each task order statement of objectives and / or performance work statement and other exhibits and attachments identified in the contract and task orders. The contractor shall provide all necessary labor, materials, equipment, and facilities required for contract performance unless specifically identified as government-furnished property and services.

## Section D - Packaging and Marking

### CLAUSES INCORPORATED BY FULL TEXT

#### D-01 PACKAGING AND MARKING OF TECHNICAL DATA (APR 2009)

Technical data items shall be preserved, packaged, packed, and marked in accordance with the best commercial practices to meet the packaging requirements of the carrier and insure safe delivery at destination. Classified reports, data and documentation shall be prepared for shipment in accordance with the current National Industrial Security Program Operating Manual (NISPOM), DOD 5220.22-M. Reference the contract data requirements list (CDRL) attached to this contract and to each task order for additional technical data packaging and marking considerations and requirements.

### CLAUSES INCORPORATED BY FULL TEXT

#### D-02 PACKAGING AND MARKING OF HARDWARE ITEMS (APR 2009)

- a. The contractor shall utilize best commercial practices for the preservation, packaging, marking and labeling of any hardware delivered under this contract to insure safe delivery at final destination. However, the contractor should also note the requirements of DFARS 252.211-7003, Item Identification and Valuation, if applicable.
- b. Packaging and marking of hazardous materials shall comply with Title 49 of the Code of Federal Regulation and the International Maritime Dangerous Goods Code.
- c. MARKING INSTRUCTIONS FOR MISSILE DEFENSE AGENCY (MDA) REQUIREMENTS – If necessary, any request for marking instructions shall be submitted electronically at least 90 days prior to the required delivery date to the contracting officer's technical representative (COTR) as identified in the task order COTR designation letter.

Section E - Inspection and Acceptance

INSPECTION AND ACCEPTANCE TERMS

Supplies/services will be inspected/accepted at:

CLIN	INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
0001	Origin	Government	Destination	Government
0002	Origin	Government	Destination	Government
0003	Origin	Government	Destination	Government
0004	Origin	Government	Destination	Government
0010	Origin	Government	Destination	Government
0020	Origin	Government	Destination	Government
0021	Origin	Government	Destination	Government
0022	Origin	Government	Destination	Government
0023	Origin	Government	Destination	Government
0030	Origin	Government	Destination	Government
1001	Origin	Government	Destination	Government
1002	Origin	Government	Destination	Government
1003	Origin	Government	Destination	Government
1004	Origin	Government	Destination	Government
1010	Origin	Government	Destination	Government
1020	Origin	Government	Destination	Government
1021	Origin	Government	Destination	Government
1022	Origin	Government	Destination	Government
1023	Origin	Government	Destination	Government
1030	Origin	Government	Destination	Government
2001	Origin	Government	Destination	Government
2002	Origin	Government	Destination	Government
2003	Origin	Government	Destination	Government
2004	Origin	Government	Destination	Government
2010	Origin	Government	Destination	Government
2020	Origin	Government	Destination	Government
2021	Origin	Government	Destination	Government
2022	Origin	Government	Destination	Government
2023	Origin	Government	Destination	Government
2030	Origin	Government	Destination	Government
3001	Origin	Government	Destination	Government
3002	Origin	Government	Destination	Government
3003	Origin	Government	Destination	Government
3004	Origin	Government	Destination	Government
3010	Origin	Government	Destination	Government
3020	Origin	Government	Destination	Government
3021	Origin	Government	Destination	Government
3022	Origin	Government	Destination	Government
3023	Origin	Government	Destination	Government
3030	Origin	Government	Destination	Government

## CLAUSES INCORPORATED BY REFERENCE

52.246-2	Inspection Of Supplies--Fixed Price	AUG 1996
52.246-2 Alt I	Inspection Of Supplies Fixed Price (Aug 1996) - Alternate I	JUL 1985
52.246-3	Inspection Of Supplies Cost-Reimbursement	MAY 2001
52.246-4	Inspection Of Services--Fixed Price	AUG 1996
52.246-5	Inspection Of Services Cost-Reimbursement	APR 1984
52.246-7	Inspection Of Research And Development Fixed Price	AUG 1996
52.246-8	Inspection Of Research And Development Cost Reimbursement	MAY 2001
52.246-15	Certificate of Conformance	APR 1984
52.246-16	Responsibility For Supplies	APR 1984
52.246-7000	Material Inspection And Receiving Report	MAR 2008

Section F - Deliveries or Performance

DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	DODAAC / CAGE
0001	POP 09-AUG-2017 TO 08-AUG-2022	N/A	MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 FOB: Destination	HQ0796
0002	POP 09-AUG-2017 TO 08-AUG-2022	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796
0003	POP 09-AUG-2017 TO 08-AUG-2022	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796
0004	POP 09-AUG-2017 TO 08-AUG-2022	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796
0010	POP 09-AUG-2017 TO 08-AUG-2022	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796
0020	POP 09-AUG-2017 TO 08-AUG-2022	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796
0021	POP 09-AUG-2017 TO 08-AUG-2022	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796
0022	POP 09-AUG-2017 TO 08-AUG-2022	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796
0023	POP 09-AUG-2017 TO 08-AUG-2022	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796
0030	POP 09-AUG-2017 TO 08-AUG-2022	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796
1001	POP 09-AUG-2022 TO 08-AUG-2023	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796
1002	POP 09-AUG-2022 TO 08-AUG-2023	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796
1003	POP 09-AUG-2022 TO 08-AUG-2023	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796

1004	POP 09-AUG-2022 TO 08-AUG-2023	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796
1010	POP 09-AUG-2022 TO 08-AUG-2023	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796
1020	POP 09-AUG-2022 TO 08-AUG-2023	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796
1021	POP 09-AUG-2022 TO 08-AUG-2023	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796
1022	POP 09-AUG-2022 TO 08-AUG-2023	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796
1023	POP 09-AUG-2022 TO 08-SEP-2023	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796
1030	POP 09-AUG-2022 TO 08-AUG-2023	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796
2001	POP 09-AUG-2023 TO 08-AUG-2024	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796
2002	POP 09-AUG-2023 TO 08-AUG-2024	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796
2003	POP 09-AUG-2023 TO 08-AUG-2024	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796
2004	POP 09-AUG-2023 TO 08-AUG-2024	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796
2010	POP 09-AUG-2023 TO 08-AUG-2024	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796
2020	POP 09-AUG-2023 TO 08-AUG-2024	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796
2021	POP 09-AUG-2023 TO 08-AUG-2024	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796
2022	POP 09-AUG-2023 TO 08-AUG-2024	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796
2023	POP 09-AUG-2023 TO 08-AUG-2024	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796
2030	POP 09-AUG-2023 TO 08-AUG-2024	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796
3001	POP 09-AUG-2024 TO 08-AUG-2025	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796

3002	POP 09-AUG-2024 TO 08-AUG-2025	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796
3003	POP 09-AUG-2024 TO 08-AUG-2025	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796
3004	POP 09-AUG-2024 TO 08-AUG-2025	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796
3010	POP 09-AUG-2024 TO 08-AUG-2025	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796
3020	POP 09-AUG-2024 TO 08-AUG-2025	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796
3021	POP 09-AUG-2024 TO 08-AUG-2025	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796
3022	POP 09-AUG-2024 TO 08-AUG-2025	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796
3023	POP 09-AUG-2024 TO 08-AUG-2025	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796
3030	POP 09-AUG-2024 TO 08-AUG-2025	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796

## CLAUSES INCORPORATED BY REFERENCE

52.242-15	Stop-Work Order	AUG 1989
52.242-15 Alt I	Stop-Work Order (Aug 1989) - Alternate I	APR 1984
52.242-17	Government Delay Of Work	APR 1984
52.24 7-34	F.O.B. Destination	NOV 1991

## Section G - Contract Administration Data

## CLAUSES INCORPORATED BY REFERENCE

252.201-7000	Contracting Officer's Representative	DEC 1991
252.204-0001	Line Item Specific: Single Funding	SEP 2009
252.204-0002	Line Item Specific: Sequential ACRN Order	SEP 2009
252.204-0003	Line Item Specific: Contracting Officer Specified ACRN Order	SEP 2009
252.204-0004	Line Item Specific: by Fiscal Year	SEP 2009
252.204-0005	Line Item Specific: by Cancellation Date	SEP 2009
252.204-0006	Line Item Specific: Proration	SEP 2009
252.204-7006	Billing Instructions	OCT 2005
252.232-7003	Electronic Submission of Payment Requests and Receiving Reports	JUN 2012

## CLAUSES INCORPORATED BY FULL TEXT

## 252.232-7006 WIDE AREA WORKFLOW PAYMENT INSTRUCTIONS (MAY 2013)

(a) Definitions. As used in this clause--

Department of Defense Activity Address Code (DoDAAC) is a six position code that uniquely identifies a unit, activity, or organization.

Document type means the type of payment request or receiving report available for creation in Wide Area WorkFlow (WAWF).

Local processing office (LPO) is the office responsible for payment certification when payment certification is done external to the entitlement system.

(b) Electronic invoicing. The WAWF system is the method to electronically process vendor payment requests and receiving reports, as authorized by DFARS 252.232-7003, Electronic Submission of Payment Requests and Receiving Reports.

(c) WAWF access. To access WAWF, the Contractor shall--

(1) Have a designated electronic business point of contact in the System for Award Management at <https://www.acquisition.gov>; and

(2) Be registered to use WAWF at <https://wawf.eb.mil/> following the step-by-step procedures for self-registration available at this Web site.

(d) WAWF training. The Contractor should follow the training instructions of the WAWF Web-Based Training Course and use the Practice Training Site before submitting payment requests through

WAWF. Both can be accessed by selecting the “Web Based Training” link on the WAWF home page at <https://wawf.eb.mil/>.

(e) WAWF methods of document submission. Document submissions may be via Web entry, Electronic Data Interchange, or File Transfer Protocol.

(f) WAWF payment instructions. The Contractor must use the following information when submitting payment requests and receiving reports in WAWF for this contract/order:

(1) Document type. The Contractor shall use the following document type(s).

Cost Voucher: All task order cost-reimbursement line items

Invoice 2-in-1: All task order fixed-price services/solutions line items

Receiving Report (standalone): All task order not-separately-priced (NSP) line items (submit one receiving report for each NSP line item upon physical completion of the task order)

(2) Inspection/acceptance location. The Contractor shall select the following inspection/acceptance location(s) in WAWF, as specified by the contracting officer.

Inspection: Source/Origin

Acceptance: Destination

(3) Document routing. The Contractor shall use the information in the Routing Data Table below only to fill in applicable fields in WAWF when creating payment requests and receiving reports in the system.

Routing Data Table

Field Name in WAWF	Data to be entered in WAWF
Pay Official DoDAAC	HQ0338
Issue By DoDAAC	HQ0796
Admin DoDAAC	S0107A
Inspect By DoDAAC	HQ0796
Ship To Code	HQ0796
Ship From Code	_____
Mark For Code	_____
Service Approver (DoDAAC)	HQ0796
Service Acceptor (DoDAAC)	HQ0796
Accept at Other DoDAAC	_____
LPO DoDAAC	_____
DCAA Auditor DoDAAC	HAA645
Other DoDAAC(s)	_____

(4) Payment request and supporting documentation. The Contractor shall ensure a payment request includes appropriate contract line item and subline item descriptions of the work performed or supplies delivered, unit price/cost per unit, fee (if applicable), and all relevant back-up documentation, as defined in DFARS Appendix F, (e.g. timesheets) in support of each payment request.

(5) WAWF email notifications. The Contractor shall enter the email address identified below in the “Send Additional Email Notifications” field of WAWF once a document is submitted in the system.

(as specified in each task order)

(g) WAWF point of contact. (1) The Contractor may obtain clarification regarding invoicing in WAWF from the following contracting activity's WAWF point of contact.

MDA E-Business Service Desk, [ebiz@mda.mil](mailto:ebiz@mda.mil), (256) 450-1776.

(2) For technical WAWF help, contact the WAWF helpdesk at 866-618-5988.

(End of clause)

#### G-01 CONTRACT ADMINISTRATION (MAY 2012)

Notwithstanding the Contractor's responsibility for total management during the performance of this contract, the administration of the contract will require maximum coordination between the Government and the Contractor. The following individuals will be the Government points of contact during the performance of this contract:

##### a. CONTRACTING OFFICERS

All contract administration will be effected by the Procuring Contracting Officer (PCO) or designated Administrative Contracting Officer (ACO). Communication pertaining to the contract administration should be addressed to the Contracting Officer. Contract administration functions (see FAR 42.302 and DFARS 242.302) are assigned to the cognizant contract administration office. No changes, deviations, or waivers shall be effective without a modification of the contract executed by the Contracting Officer or his duly authorized representative authorizing such changes, deviations, or waivers.

The MDA point of contact for all contractual matters is:

Name: (b)(6)  
Office Symbol: Missile Defense Agency (MDA)/DACJ  
Address: 730 Irwin Ave, Schriever AFB, CO 80912  
Telephone Number: (b)(6)  
Email Address: (b)(6)

##### b. CONTRACTING OFFICER'S REPRESENTATIVE/CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE

Neither the Contracting Officer's Representative (COR) nor the Contracting Officer's Technical Representative (COTR) is authorized to change any of the terms and conditions of the contract. The Contractor is advised that only the Contracting Officer can change or modify the contract terms or take any other action which obligates the Government. Then, such action must be set forth in a formal modification to the contract. The authority of the COR and the COTR is strictly limited to him/her, without redelegation, to the specific duties set forth in his/her letter of appointment, a copy of which is furnished to the Contractor. Contractors who rely on direction from other than the Contracting Officer, a COR or a COTR acting outside the strict limits of his/her responsibilities as set forth in his/her letter of appointment do so at their own risk and expense. Such actions do not bind the Government contractually. Any contractual questions shall be directed to the Contracting Officer.

The CORs under this contract are:

Name: (b)(6)  
Office Symbol: MDA/IS  
Address: 730 Irwin Ave, Schriever AFB, CO 80912  
Telephone Number: (b)(6)

Email Address: (b)(6)@mda.mil

Name: (b)(6)

Office Symbol: MDA/DACJ

Address: 730 Irwin Ave, Schriever AFB, CO 80912

Telephone Number: (b)(6)

Email Address: (b)(6)@mda.mil

COTR(s) will be appointed for each task order issued.

c. CONTRACTING OFFICIAL FOR eSRS

FAR 52.219-9, Small Business Subcontracting Plan requires the use of the Electronic Subcontracting Reporting System (eSRS) for subcontract reporting. The contracting official for eSRS under this contract is: the Contracting Officer identified above and the MDA Office of Small Business Programs at [subcontracting-oversight@mda.mil](mailto:subcontracting-oversight@mda.mil).

For detailed information regarding eSRS visit <http://www.acq.osd.mil/dpap/pdi/eb/index.html>.

G-13 NOTICE OF THE GOVERNMENT'S USE OF OUTSIDE CONTRACTORS TO REVIEW SUBMITTED INVOICES, PAYMENT REQUESTS, AND MATERIAL INSPECTION AND RECEIVING REPORTS (MAY 2009)

a. The Government may utilize support contractors to assist the Government in the review and evaluation of the offeror's invoices, payment requests, material inspection and receiving reports, and similar requests for payment or evidence of delivery. These contractors will be provided access to these and other records which may contain the proprietary information of the offeror, to include awarded contracts, to support Government officials in reviewing and reconciling invoices, payment records, and the Government's financial and budgetary records, and in facilitating the timely payment of submitted invoices.

b. The support contractors are prohibited from obtaining proprietary information to which their employees will have access in the performance of their responsibilities, and are required to promptly notify the contracting officer of any breach of their employees' non-disclosure obligations. Each of the contractor employees has also been required to execute a non-disclosure agreement which acknowledges their responsibilities to only use proprietary information in performance of the above tasks and for no other reason; that they will not share proprietary information with their employers; that they will not use such information for personal or other benefit; and that they will promptly notify their employers of any breaches of their responsibilities.

c. Unless the offeror specifically objects in writing, the offeror agrees, by the submission of a proposal, to allow the Government's support contractors to have access to the offeror's proprietary information for the purposes described above.

CLAUSES INCORPORATED BY FULL TEXT

G-14 AWARD FEE (Nov 2010)

This contract provides for the payment of the award fee as described in Section J Attachment 06, IRES Performance Evaluation and Incentive Plan, and each task order with an award fee component.

PAYMENT INSTRUCTIONS

Payment instructions will be included in each task order.

## Section II - Special Contract Requirements

### CLAUSES INCORPORATED BY FULL TEXT

#### H-03 TASK ORDERS (JUN 2012)

a. General. All task orders will be issued via DD Form 1155, or equivalent, signed by a Contracting Officer. Performance of work prior to award of the task order or without other express written consent from a Contracting Officer is at the Contractor's own risk. Pre-contract costs are not authorized without the express written consent of a Contracting Officer. All task orders are subject to the terms and conditions of this contract. In the event of a conflict between a task order and this contract, the contract takes precedence.

b. Process.

(1) Timely and efficient award of task orders requires consistent processes and a close collaboration between the Government and Contractor. The task order award process—collaboratively documented, updated, and executed throughout the life of the contract—is intended to provide a consistent customer experience. The Contractor plays a vital role in that process. Specifically, the contractor must provide an integrated, program-wide perspective when responding to requirements. The contractor must identify risks, dependencies, and opportunities for synergies between task orders.

(2) Following initial contract and task order awards, one of two overarching processes will be used for the award of each subsequent task order—the Integrated Team Process and the Traditional Process—with the process selection made by the task order acquisition team that includes contractor representation.

(a) The Integrated Team Process involves the Government and Contractor in the refinement of requirements, development of the statement of objectives (SOO) or performance work statement (PWS) (or equivalent), and agreement on the PWS execution concepts/approaches. This 'alpha-like' process should result in reduced timelines and eventually reduced proposal preparation and negotiation costs. When using the Integrated Team Process, the Contractor shall identify Contractor personnel, empowered to make decisions, to participate on each task order acquisition team.

(b) The Traditional Process relies on the Government requirement owner's expertise to fully develop the SOO or PWS prior to contractor involvement.

(3) Unless otherwise directed or approved by the Contracting Officer, task order and task order modification proposals shall be submitted within five business days of receipt of the proposal request when using the Integrated Team Process and 15 business days when using the Traditional Process.

c. Pricing.

(1) Proposal pricing will be developed using the following Section J attachments: Attachment 03, Labor Category Descriptions; Attachment 08, Labor and ODC Burden Rates (from proposal Cost Workbook 3, WS32); and Attachment 09 Fee Structure Table (from proposal Cost Workbook 3, WS3-3). All rates are considered maximums for the purpose of proposal preparation and negotiations; invoicing and payment will be in accordance with applicable contract clauses.

(2) To the extent direct charge of costs associated with the task order award and modification process are appropriate in accordance with FAR Part 31, Cost Accounting Standards (CAS), and the Contractor's CAS Disclosure Statement, those costs shall be non-fee/profit bearing. (Execution of requirements contained in the Transition task order is an exception to this limitation.)

d. Modifications. Task order modifications will be issued via Standard Form 30, or equivalent, signed by a Contracting Officer. Bilateral task order modifications will use the same processes and pricing as described herein for task order awards.

## CLAUSES INCORPORATED BY FULL TEXT

### H-06 INSURANCE (Apr 2009)

In accordance with FAR Part 28.307-2, Liability, the Contractor shall maintain the types of insurance and coverage listed below:

TYPES OF INSURANCE	MINIMUM AMOUNT
Workmen's Compensation and all occupational disease Employer's Liability including all occupational disease when not covered by Workmen's Compensation above	As required by Federal and State law \$100,000 per accident
General Liability (Comprehensive) Bodily Injury	\$500,000 per occurrence
Automobile Liability (Comprehensive)	
Bodily Injury per person	\$200,000
Bodily Injury per accident	\$500,000
Property Damage per accident	\$ 20,000

## CLAUSES INCORPORATED BY FULL TEXT

### H-10 ENABLING CLAUSE FOR BMD INTERFACE SUPPORT (APR 2009)

a. It is anticipated that, during the performance of this contract, the Contractor will be required to support Technical Interface/Integration Meetings (TIMS) with other Ballistic Missile Defense (BMD) Contractors and other Government agencies. Appropriate organizational conflicts of interest clauses and additional costs, if any, will be negotiated as needed to protect the rights of the Contractor and the Government.

b. Interface support deals with activities associated with the integration of the requirements of this contract into BMD system plans and the support of key Missile Defense Agency (MDA) program reviews.

c. The Contractor agrees to cooperate with BMD Contractors by providing access to technical matters, provided, however, the Contractor will not be required to provide proprietary information to non-Government entities or personnel in the absence of a non-disclosure agreement between the Contractor and such entities.

d. The Contractor further agrees to include a clause in each subcontract requiring compliance with paragraph c. above, subject to coordination with the Contractor. This agreement does not relieve the Contractor of its responsibility to manage its subcontracts effectively, nor is it intended to establish privity of contract between the Government and such subcontractors.

e. Personnel from BMD Contractors or other Government agencies or Contractors are not authorized to direct the Contractor in any manner.

f. This clause shall not prejudice the Contractor or its subcontractors from negotiating separate organizational conflict of interest agreements with BMD Contractors; however, these agreements shall not restrict any of the Government's rights established pursuant to this clause or any other contract.

#### H-11 MDA VISIT AUTHORIZATION PROCEDURES (Aug 2014)

a. The Contractor shall submit all required visit clearances in accordance with current NISPOM regulations. Visit clearances shall identify the contract number.

For Visit Requests to the National Capital Region send to:

JPAS SMO Code: DDAAU4  
Missile Defense Agency  
Attn: Access Control Center  
5700 18th Street, Bldg 245  
Fort Belvoir, VA 22060-5573  
571-231-8249  
571-231-8099 FAX  
ACC@MDA.mil

For Visit Requests to Huntsville, AL send to:

Missile Defense Agency,  
JPAS SMO Code: DDAAUH  
Attn: Visitor Control  
Bldg 5224 Martin Road  
Redstone Arsenal, AL 35898  
256-450-3214 or 256-450-3216  
256-450-3222 FAX  
mdaaccesscontrolhsv@mda.mil

For Visit Requests to Colorado Springs, CO send to:

Missile Defense Agency,  
SMO Code: DDAAUJ  
Attn: Visitor Control  
720 Irwin Drive, Bldg 720 Room 125  
Schriever AFB, CO 80912  
719-721-0362 or 719-721-8230  
719-721-8399 FAX  
dossosvar@mda.mil

b. Contracting Officer's Representatives and Contracting Officer's Technical Representatives are authorized to approve visit requests for the Contracting Officer.

#### H-12 CONTROL OF ACCESS TO MDA SPACES AND INFORMATION SYSTEMS (SEP 2013)

a. To maintain the security of the MDA spaces and information systems, the contractor shall notify the COR in writing whenever a prime or subcontractor employee included on the current visit authorization request/letter no

longer supports this contract. This requirement shall apply to both contractor-initiated and employee-initiated termination of services and to temporary suspension of services.

b. The contractor shall identify the reason for and date of termination or expected period of suspension and submit the notification to the COR within five (5) working days prior to service discontinuation. For unplanned termination or suspension of services, notification shall be on the same working day as their termination/suspension action. A Form 14, Out-Processing Checklist, as required by MDA Instruction 1400.06-INS shall accompany each notification of termination or expected period of suspension.

c. The contractor will facilitate the employee's return of all government issued credentials, e.g., badges, common access cards (CACs), SIPRNet tokens. Specifically, upon notification, the COR will work with the organization's Security Operations Center and the MDA Service Desk to ensure timely action to:

- (1) remove the employee from the current visit authorization request/letter;
- (2) cancel Government issued credentials pursuant to the visit authorization request/letter; and,
- (3) terminate the MDA LAN account/access privileges.

d. In addition to actions related to MDA access control, the contractor shall maintain accountability for Government issued credentials provided under this contract. Government issued credentials are the property of the U.S. Government and shall not be retained by cardholders upon expiration, replacement, or when the DoD affiliation of employees has been terminated. The contractor shall certify that the government issued credentials are retrieved in accordance with local command or installation procedures. Unauthorized possession of an official credential, like a CAC, can be prosecuted criminally under section 701, title 18, United States Code.

## CLAUSES INCORPORATED BY FULL TEXT

### H-23 CONTRACTOR EMPLOYEE OUT-PROCESSING (SEP 2012)

Prior to the departure of contractor personnel who have been issued MDA Common Access Cards (CACs), building passes and/or MDA computers, cell phones or other associated peripherals, the departing employee shall complete the MDA Form 14, OutProcessing Checklist, as required by MDA Instruction 1400.06-INS, and return the completed checklist, with all required signatures, to the cognizant Contracting Officer's Representative (COR).

## CLAUSES INCORPORATED BY FULL TEXT

### H-28 DISTRIBUTION CONTROL OF TECHNICAL INFORMATION (AUG 2014)

a. The following terms applicable to this clause are defined as follows:

1. DoD Official. Serves in DoD in one of the following positions: Program Director, Deputy Program Director, Program Manager, Deputy Program Manager, Procuring Contracting Officer, Administrative Contracting Officer, or Contracting Officer's Representative.

2. Technical Document. Any recorded information (including software) that conveys scientific and technical information or technical data.

3. Scientific and Technical Information. Communicable knowledge or information resulting from or pertaining to the conduct or management of effort under this contract. (Includes programmatic information).

4. Technical Data. As defined in DFARS 252.227-7013.

b. Except as otherwise set forth in the Contract Data Requirements List (CDRL), DD Form 1423 the distribution of any technical documents prepared under this contract, in any stage of development or completion, is prohibited outside of the contractor and applicable subcontractors under this contract unless authorized by the Contracting Officer in writing. However, distribution of technical data is permissible to DOD officials having a "need to know" in connection with this contract or any other MDA contract provided that the technical data is properly marked according to the terms and conditions of this contract. When there is any doubt as to "need to know" for purposes of this paragraph, the Contracting Officer or the Contracting Officer's Representative will provide direction. Authorization to distribute technical data by the Contracting Officer or the Contracting Officer's Representative does not constitute a warranty of the technical data as it pertains to its accuracy, completeness, or adequacy. The contractor shall distribute this technical data relying on its own corporate best practices and the terms and conditions of this contract. Consequently, the Government assumes no responsibility for the distribution of such technical data nor will the Government have any liability, including third party liability, for such technical data should it be inaccurate, incomplete, improperly marked or otherwise defective. Therefore, such a distribution shall not violate 18 United States Code § 1905.

c. All technical documents prepared under this contract shall be marked with the following distribution statement, warning, and destruction notice identified in subparagraphs 1, 2, and 3 below. When it is technically not feasible to use the entire WARNING statement, an abbreviated marking may be used, and a copy of the full statement added to the "Notice To Accompany Release of Export Controlled Data" required by DoD Directive 5230.25.

1. DISTRIBUTION - [As specified in the task order or as directed by the Contracting Officer's Representative or Contracting Officer's Technical Representative.]

2. WARNING - This document contains technical data whose export is restricted by the Arms Export Control Act (Title 22, U.S.C., Sec 2751, et seq.) or the Export Administration Act of 1979 (Title 50, U.S.C., App. 2401 et seq), as amended. Violations of these export laws are subject to severe criminal penalties. Disseminate in accordance with provisions of DoD Directive 5230.25

3. DESTRUCTION NOTICE - For classified documents follow the procedures in DOD 5220.22-M, National Industrial Security Program Operating Manual, February 2006, Incorporating Change 1, March 28, 2013, Chapter 5, Section 7, or DoDM 5200.01-Volume 3, DoD Information Security Program: Protection of Classified Information, Enclosure 3, Section 17. For controlled unclassified information follow the procedures in DoDM 5200.01-Volume 4, Information Security Program: Controlled Unclassified Information.

d. The Contractor shall insert the substance of this clause, including this paragraph, in all subcontracts.

## CLAUSES INCORPORATED BY FULL TEXT

### H-29 COMMERCIAL COMPUTER SOFTWARE LICENSE (Mar 2013)

a. Unless otherwise approved by the PCO, commercial computer software licenses shall, upon delivery and acceptance, designate the U.S. Government as a contingent licensee, able to replace the Contractor as the primary licensee upon notifying the licensor. A copy of the negotiated license shall be furnished to the PCO. The terms of the licenses cannot be inconsistent with Federal procurement law and must satisfy user needs. This includes the Contractor's / subcontractor's needs for the software to perform this contract and the Government's needs for the

software to accomplish the Government's ultimate objectives. At a minimum, this shall include the rights to make an archive copy of the software, to relocate the computer on which the software resides, to re-host the software on a different computer, to permit access by support contractors, and to permit the Government to transfer the license to another contractor.

b. Nothing in this clause shall take precedence over any other clause or provision of this contract. Government concurrence, as defined in paragraph a above, does not in any way affect the Government's technical data rights as established by the terms and conditions of this contract.

## CLAUSES INCORPORATED BY FULL TEXT

### H-30 CONTRACTUAL TERMS & CONDITIONS (Jun 2010)

The terms and conditions herein constitute the entire contract and understanding of the parties and shall supersede all other communications, negotiations, arrangements and agreements, either oral or written, with respect to the subject matter hereof. All proposal documentation including, but not limited to, red line contract terms and conditions, red line statements of work and/or ground rules and assumptions are hereby void and carry no force or effect as it pertains to the interpretation or operation of the language of the instant contract nor should such language be used to provide meaning to any of the terms or conditions contained herein.

## CLAUSES INCORPORATED BY FULL TEXT

### H-32 TRANSITION OUT (Nov 2010)

a. It is the intent of the Government to provide for an orderly transition during an off-ramp activity related to the end of the contract in order to assure uninterrupted effort throughout the assumption of follow-on Contractor responsibility. When notified, the Contractor shall work closely with the Government to develop a proposal to transition to either the Government or another contractor. The Government will provide the specifics of what the transition includes at the time of the request for change.

b. The transition requirements may include the following:

1) A transition-out period, which will be mutually agreed upon following notification by the Government of an intent to transfer lab equipment, documentation or system test resources.

2) A requirement for the Contractor to work closely with the contractor receiving the lab(s), equipment, and supporting documentation during the transition-out period to allow the receiving contractor time to establish laboratory capability.

c. The Contractor shall execute an Associate Contractor Agreement (ACA) IAW Section II Clause "PROGRAM SYNCHRONIZATION", attend program reviews, participate in working groups, briefings, and on-site communications, and provide full disclosure of technical, cost, and programmatic information between Contractors/teams associated with meeting the various on-going requirements.

## CLAUSES INCORPORATED BY FULL TEXT

### H-33 PROGRAM SYNCHRONIZATION (Nov 2010)

a. The Missile Defense Agency (MDA) requires the synchronized integration of platforms, sensors, and other components of the BMDS which were or are under separate development by multiple contractors. MDA uses the concept of End-to-End (EtE) performance to serve as the organizing principle that aligns and synchronizes these efforts to achieve the desired operational end-state for the Ballistic Missile Defense System (BMDS). Synchronization is defined as the logical alignment of management, design, development, integration, modification, verification and validation, and test activities and processes such that sensors, data links, command and control (C2), and interceptors smoothly and optimally integrate within well-defined and commonly understood requirements and interfaces.

b. During the performance of this contract, the Contractor shall provide technical data and other information (to include limited and restricted rights data as defined by DFARS 252.227-7013 and 252.227-7014 or information protected under the Freedom of Information Act Exemption 4) to other Ballistic Missile Defense (BMD) Contractors and Government agencies to facilitate MDA objectives.

c. Pursuant to paragraphs (a) and (b) above the Contractor shall negotiate appropriate Associate Contractor Agreements (ACAs) and Non-Disclosure Agreements (NDAs) with other Contractors as necessary to implement the exchanges of technical data and other information required, ensure total system EtE performance, and also to protect technical data and other information from unauthorized disclosure or use. These agreements must not restrict any of the Government's rights established pursuant to this or any other contract. A copy of each ACA and amendments to ACAs shall be provided to the Contracting Officer in order for the Government to document the flow of information.

d. When associate contracts have been entered into or modified as described in this clause, the associate contractors and general information on the purpose of the associate contracts will be incorporated into this clause as shown below:

Company Name	Contract # and Description	ACA Purpose
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(Complete as Appropriate)

e. The ACAs shall, at a minimum, include the following general information: (1) Identify the associate contractors and their relationships; (2) Identify the program involved and the relevant Government contracts of the associate contractors; (3) Describe the associate contractor interfaces by general subject matter; (4) Specify the categories of information to be exchanged or support to be provided; (5) Include the expiration date (or event) of the ACA; and (6) Identify potential conflicts between relevant Government contracts and the ACA; include agreements on protection of technical data or other information and restrictions on employees.

f. The Contractor's performance with respect to integration support, cooperation, and the exchange and sharing of information with other BMD contractors, shall comply with security classification requirements as outlined in the DD Form 254 incorporated into this contract.

g. Nothing in this clause shall take precedence over any other clause or provision of this contract nor does it in any way effect the Government's technical data rights.

## CLAUSES INCORPORATED BY FULL TEXT

### H-35 INCORPORATING COMMERCIAL AND OPEN SOURCE SOFTWARE (Aug 2012)

- a. DFARS 252.227-7014(d) requires the written approval of the Contracting Officer before the Contractor may incorporate any copyrighted computer software in the software to be delivered under this contract.
- b. A request for approval to incorporate Commercial Computer Software should be accompanied by a license that conforms with the requirements of the Commercial Computer Software Licenses clause of this contract.
- c. A request for approval to incorporate Open Source Software must be accompanied by the applicable license, a detailed description of the source of the software and how it has been or will be used, and an explanation of the restrictions imposed and potential risks and liabilities.
- d. Nothing in this clause shall take precedence over any other clause or provision of this contract. Government concurrence, as defined in paragraph a above, does not in any way affect the Government's technical data rights as established by the terms and conditions of this contract.

## CLAUSES INCORPORATED BY FULL TEXT

### H-36 CONTRACTOR IDENTIFICATION AND ASSERTION OF RESTRICTIONS ON THE GOVERNMENT'S USE, RELEASE, OR DISCLOSURE OF NON-COMMERCIAL TECHNICAL DATA OR COMPUTER SOFTWARE (DEC 2011)

- a. The contractor and its subcontractors shall provide a completed Attachment in accordance with DFARS 252.227-7017 entitled "Identification and Assertion of Restrictions on the Government's Use, Release, or Disclosure of Technical Data or Computer Software" that is signed and dated by a responsible official of the Contractor. This Attachment is incorporated herein by reference as if fully set forth. The Attachment identifies and provides information pertaining to technical data (including computer software documentation) and computer software that the contractor and subcontractors claim to qualify for delivery with less than Unlimited Rights. The contractor agrees not to withhold delivery of the technical data or software based on its claims. The Government shall investigate the validity of the contractor's claims and therefore reserves all its rights regarding the technical data/software in question, to include those rights set forth in: DFARS 252.227-7013, Rights in Technical Data - Noncommercial Items; DFARS 252.227-7014, Rights in Noncommercial Computer Software and Noncommercial Computer Software Documentation; DFARS 252.227-7019, Validation of Asserted Restrictions--Computer Software; DFARS 252.227-7028, Technical Data or Computer Software Previously Delivered To the Government; and, DFAR 252.227-7037, Validation Of Restrictive Markings On Technical Data clauses until a determination is made.
- b. The contractor shall have, maintain, and follow written procedures sufficient to assure that restrictive markings/legends are used only when authorized by the terms of this contract and shall maintain records sufficient to justify the validity of any restrictive markings/legends on any technical data or computer software or computer software documentation delivered under this contract. The Contractor agrees that the Government has Unlimited Rights as defined by DFARS 252.227-7013 and 252.227-7014 in any deliverable technical data or computer software or computer software documentation not listed in the Attachment and that such data or software will not be subject to any restrictive markings or legends.

## CLAUSES INCORPORATED BY FULL TEXT

### H-37 INSERTION OF LIMITED OR RESTRICTED RIGHTS (DEC 2010)

a. Hardware items which are subject to Limited Rights in their associated technical data as defined in DFARS 252.227-7013 and software items which are subject to Restricted Rights as defined in DFARS 252.227-7014 shall not be incorporated into the design of any systems, or models/simulations thereof under this contract without the prior written authorization of the Contracting Officer. The Contractor's request shall include a rough order of magnitude (ROM) estimate to perform development if the data or software cannot be used as requested. If the Contracting Officer does not provide a decision within 30 days of the request, the request is considered denied. In the event the Contracting Officer authorizes inclusion of the Limited Rights technical data and/or Restricted software, such data or software will be added as an attachment within Section J.

b. Using Government assets in an Independent Research and Development (IRAD) project may be authorized on a case by case basis. The Contractor's request shall include an offer of consideration for use of such Government assets. The Government will evaluate the request, including the Contractor's offer of consideration, and either approve, deny, or offer an alternative form of consideration. Any such consideration will be mutually agreed to by the parties prior to use of Government assets. Consideration should include, at a minimum, specially negotiated rights granting the Government a license for Government Purpose Rights IAW DFARS 252.227-7013 and 252.227-7014 in the subject IRAD project. When the Contractor requests the use of Government assets for an IRAD project, the request shall include the purpose of the IRAD project and the potential benefit to the Government. The Contractor will be required to execute a bailment agreement prior to the transfer or use of Government assets.

## CLAUSES INCORPORATED BY FULL TEXT

### H-45 AS IS GOVERNMENT FURNISHED DATA/DOCUMENTATION AND COMPUTER SOFTWARE (Jan 2013)

All technical data and computer software (as defined in DFARS 252.227-7013 and DFARS 252.227-7014) furnished by the Government is in an "as is" condition without any warranty as to its accuracy, completeness, or adequacy. The contractor shall use this technical data and computer software at its own risk. The Government assumes no responsibility for such furnished data/documentation/computer software nor will the Government have any liability for equitable adjustments to the terms and conditions of this contract should such data/documentation/computer software prove to be inaccurate, incomplete, or otherwise defective.

### OCI (JAN 2016) MDA/DACJ

#### ORGANIZATIONAL CONFLICT OF INTEREST (JAN 2016) MDA/DACJ

a. Purpose: The primary purpose of this clause is to aid in ensuring that:

- (1) the Contractor's objectivity and judgment are not biased because of its present or planned interests which relate to work under this contract;
- (2) the Contractor does not obtain unfair competitive advantage by virtue of its access to non-public information regarding the Government's program plans and actual or anticipated resources; and
- (3) the Contractor does not obtain unfair competitive advantage by virtue of its access to proprietary information belonging to others.

b. Scope: Organizational Conflict of Interest (OCI) rules, procedures and responsibilities as described in FAR Subpart 9.5 shall be applicable to this contract and any resulting subcontracts.

(1) The general rules in FAR 9.505-1 through 9.505-4 and the restrictions described herein shall apply to performance or participation by the Contractor and any of its affiliates or their successors-in-interest (hereinafter collectively referred to as "Contractor") in the activities covered by this contract as prime Contractor, subcontractor, co-sponsor, joint venturer, consultant, or in any similar capacity.

(2) The Missile Defense Agency's OCI policy is in Section J Attachment 07 (item # 53) of this contract.

c. Access to and Use of Nonpublic Information: If the Contractor, in performance of this contract, obtains access to nonpublic information such as plans, policies, reports, studies, financial plans, or data which has not been released or otherwise made available to the public, the Contractor agrees that without prior written approval of the Contracting Officer, it shall not:

(1) use such information for any private purpose;

(2) release such information.

d. Access to and Protection of Proprietary Information: The Contractor agrees to exercise diligent effort to protect proprietary information from misuse or unauthorized disclosure in accordance with the provisions of FAR 9.505-4. The Contractor will be required to enter into a written non-disclosure agreement with the third party asserting proprietary restrictions unless the proprietary information is provided voluntarily without limitations on its use.

e. Subcontracts: The Contractor shall include this clause in consulting agreements, teaming agreements, subcontracts, or other arrangements for provision of services or supplies of any tier. The terms "contract", "Contractor", and "Contracting Officer" shall be appropriately modified to preserve the Government's rights.

f. Representations and Disclosures:

(1) The Contractor represents that it has disclosed to the Contracting Officer, prior to award, all facts relevant to the existence or potential existence of organizational conflicts of interest as that term is used in FAR Subpart 9.5. To facilitate disclosure and Contracting Officer approval, the Contractor shall complete an OCI Analysis/Disclosure Form for each MDA, Ballistic Missile Defense (BMD), and BMD-related contract or subcontract (form shall be requested from the Procuring Contracting Officer).

(2) The Contractor represents that if it discovers an organizational conflict of interest or potential conflict of interest after award, a prompt and full disclosure shall be made in writing to the Contracting Officer. This disclosure shall include a description of the action the Contractor has taken or proposes to take in order to avoid or mitigate such conflicts.

g. Remedies and Waiver:

(1) For breach of any of the above restrictions or for non-disclosure or misrepresentation of any relevant facts required to be disclosed concerning this contract, the Government may: terminate this contract for default; disqualify the Contractor from subsequent related contractual efforts if necessary to neutralize a resulting organizational conflict of interest; and pursue such other remedies as may be permitted by law or this contract. If, however, in compliance with this clause, the Contractor discovers and promptly reports an organizational conflict of interest (or the potential thereof) subsequent to contract award, the Contracting Officer may terminate this contract for convenience if such termination is deemed to be in the best interest of the Government or take other appropriate actions.

(2) The parties recognize that this clause has potential effects which will survive the performance of this contract and that it is impossible to foresee each circumstance to which it might be applied in the future. Accordingly, the Contractor may at any time seek a waiver from the Director, MDA, (via the Contracting Officer) by submitting a full written description of the requested waiver and the reasons in support thereof.

## Section I - Contract Clauses

## CLAUSES INCORPORATED BY REFERENCE

52.202-1	Definitions	NOV 2013
52.203-3	Gratuities	APR 1984
52.203-5	Covenant Against Contingent Fees	MAY 2014
52.203-6	Restrictions On Subcontractor Sales To The Government	SEP 2006
52.203-7	Anti-Kickback Procedures	MAY 2014
52.203-8	Cancellation, Rescission, and Recovery of Funds for Illegal or Improper Activity	MAY 2014
52.203-10	Price Or Fee Adjustment For Illegal Or Improper Activity	MAY 2014
52.203-12	Limitation On Payments To Influence Certain Federal Transactions	OCT 2010
52.203-13	Contractor Code of Business Ethics and Conduct	OCT 2015
52.203-17	Contractor Employee Whistleblower Rights and Requirement To Inform Employees of Whistleblower Rights	APR 2014
52.204-2	Security Requirements	AUG 1996
52.2044	Printed or Copied Double-Sided on Postconsumer Fiber Content Paper	MAY 2011
52.2049	Personal Identity Verification of Contractor Personnel	JAN 2011
52.204-10	Reporting Executive Compensation and First-Tier Subcontract Awards	OCT 2015
52.204-13	System for Award Management Maintenance	JUL 2013
52.204-15	Service Contract Reporting Requirements for Indefinite-Delivery Contracts	JAN 2014
52.204-19	Incorporation by Reference of Representations and Certifications.	DEC 2014
52.204-21	Basic Safeguarding of Covered Contractor Information Systems	JUN 2016
52.208-9	Contractor Use of Mandatory Sources of Supply or Services	MAY 2014
52.209-6	Protecting the Government's Interest When Subcontracting With Contractors Debarred, Suspended, or Proposed for Debarment	OCT 2015
52.209-9	Updates of Publicly Available Information Regarding Responsibility Matters	JUL 2013
52.209-10	Prohibition on Contracting With Inverted Domestic Corporations	NOV 2015
52.210-1	Market Research	APR 2011
52.211-15	Defense Priority And Allocation Requirements	APR 2008
52.215-2	Audit and Records--Negotiation	OCT 2010
52.215-8	Order of Precedence--Uniform Contract Format	OCT 1997
52.215-10	Price Reduction for Defective Certified Cost or Pricing Data	AUG 2011
52.215-11	Price Reduction for Defective Certified Cost or Pricing Data--Modifications	AUG 2011
52.215-12	Subcontractor Certified Cost or Pricing Data	OCT 2010
52.215-13	Subcontractor Certified Cost or Pricing Data--Modifications	OCT 2010
52.215-14	Integrity of Unit Prices	OCT 2010
52.215-14 Alt I	Integrity of Unit Prices (Oct 2010) - Alternate I	OCT 1997
52.215-15	Pension Adjustments and Asset Reversions	OCT 2010
52.215-17	Waiver of Facilities Capital Cost of Money	OCT 1997
52.215-18	Reversion or Adjustment of Plans for Postretirement Benefits (PRB) Other than Pensions	JUL 2005
52.215-19	Notification of Ownership Changes	OCT 1997

52.215-21	Requirements for Certified Cost or Pricing Data and Data Other Than Certified Cost or Pricing Data -- Modifications	OCT 2010
52.215-23	Limitations on Pass-Through Charges	OCT 2009
52.216-7	Allowable Cost And Payment	JUN 2013
52.216-8	Fixed Fee	JUN 2011
52.216-11	Cost Contract--No Fee	APR 1984
52.219-4	Notice of Price Evaluation Preference for HUBZone Small Business Concerns	OCT 2014
52.219-8	Utilization of Small Business Concerns	OCT 2014
52.219-9	Small Business Subcontracting Plan	OCT 2015
52.219-9 (Dev)	Small Business Subcontracting Plan (Deviation 2013-O0014)	OCT 2015
52.219-9 Alt II	Small Business Subcontracting Plan (OCT 2015) Alternate II	OCT 2001
52.219-16	Liquidated Damages-Subcontracting Plan	JAN 1999
52.219-28	Post-Award Small Business Program Rerepresentation	JUL 2013
52.222-3	Convict Labor	JUN 2003
52.222-4	Contract Work Hours and Safety Standards- Overtime Compensation	MAY 2014
52.222-20	Contracts for Materials, Supplies, Articles, and Equipment Exceeding \$15,000	MAY 2014
52.222-21	Prohibition Of Segregated Facilities	APR 2015
52.222-26	Equal Opportunity	APR 2015
52.222-29	Notification Of Visa Denial	APR 2015
52.222-35	Equal Opportunity for Veterans	OCT 2015
52.222-36	Equal Opportunity for Workers with Disabilities	JUL 2014
52.222-37	Employment Reports on Veterans	FEB 2016
52.222-40	Notification of Employee Rights Under the National Labor Relations Act	DEC 2010
52.222-50	Combating Trafficking in Persons	MAR 2015
52.222-54	Employment Eligibility Verification	OCT 2015
52.223-2	Affirmative Procurement of Biobased Products Under Service and Construction Contracts	SEP 2013
52.223-3	Hazardous Material Identification And Material Safety Data	JAN 1997
52.223-5	Pollution Prevention and Right-to-Know Information	MAY 2011
52.223-5 Alt I	Pollution Prevention and Right-to-Know Information (May 2011) Alternate I	MAY 2011
52.223-5 Alt II	Pollution Prevention and Right-to-Know Information (May 2011) Alt II	MAY 2011
52.223-6	Drug-Free Workplace	MAY 2001
52.223-10	Waste Reduction Program	MAY 2011
52.223-11	Ozone-Depleting Substances and High Global Warming Potential Hydrofluorocarbons.	JUN 2016
52.223-12	Maintenance, Service, Repair, or Disposal of Refrigeration Equipment and Air Conditioners.	JUN 2016
52.223-13	Acquisition of EPEAT - Registered Imaging Equipment (Jun 2014)	JUN 2014
52.223-14	Acquisition of EPEAT -Registered Televisions	JUN 2014
52.223-15	Energy Efficiency in Energy-Consuming Products	DEC 2007
52.223-16	Acquisition of EPEAT (R) - Registered Personal Computer Products	OCT 2015
52.223-17	Affirmative Procurement of EPA-Designated Items in Service and Construction Contracts	MAY 2008
52.223-18	Encouraging Contractor Policies To Ban Text Messaging While Driving	AUG 2011
52.223-19	Compliance with Environmental Management Systems	MAY 2011
52.223-20	Aerosols	JUN 2016

52.223-21	Foams	JUN 2016
52.224-1	Privacy Act Notification	APR 1984
52.224-2	Privacy Act	APR 1984
52.225-13	Restrictions on Certain Foreign Purchases	JUN 2008
52.227-1	Authorization and Consent	DEC 2007
52.227-1 Alt I	Authorization And Consent (Dec 2007) - Alternate I	APR 1984
52.227-2	Notice And Assistance Regarding Patent And Copyright Infringement	DEC 2007
52.227-3	Patent Indemnity	APR 1984
52.227-10	Filing Of Patent Applications--Classified Subject Matter	DEC 2007
52.228-3	Worker's Compensation Insurance (Defense Base Act)	JUL 2014
52.228-5	Insurance - Work On A Government Installation	JAN 1997
52.228-7	Insurance--Liability To Third Persons	MAR 1996
52.229-3	Federal, State And Local Taxes	FEB 2013
52.229-6	Taxes--Foreign Fixed-Price Contracts	FEB 2013
52.230-2	Cost Accounting Standards	OCT 2015
52.230-6	Administration of Cost Accounting Standards	JUN 2010
52.232-1	Payments	APR 1984
52.232-2	Payments Under Fixed-Price Research And Development Contracts	APR 1984
52.232-8	Discounts For Prompt Payment	FEB 2002
52.232-9	Limitation On Withholding Of Payments	APR 1984
52.232-11	Extras	APR 1984
52.232-17	Interest	MAY 2014
52.232-18	Availability Of Funds	APR 1984
52.232-23	Assignment Of Claims	MAY 2014
52.232-25	Prompt Payment	JUL 2013
52.232-25 Alt I	Prompt Payment (July 2013) Alternate I	FEB 2002
52.232-33	Payment by Electronic Funds Transfer--System for Award Management	JUL 2013
52.232-39	Unenforceability of Unauthorized Obligations	JUN 2013
52.232-40	Providing Accelerated Payments to Small Business Subcontractors	DEC 2013
52.233-1	Disputes	MAY 2014
52.233-1 Alt I	Disputes (May 2014) - Alternate I	DEC 1991
52.233-3	Protest After Award	AUG 1996
52.233-3 Alt I	Protest After Award (Aug 1996) - Alternate I	JUN 1985
52.233-4	Applicable Law for Breach of Contract Claim	OCT 2004
52.237-2	Protection Of Government Buildings, Equipment, And Vegetation	APR 1984
52.237-3	Continuity Of Services	JAN 1991
52.239-1	Privacy or Security Safeguards	AUG 1996
52.242-1	Notice of Intent to Disallow Costs	APR 1984
52.242-2	Production Progress Reports	APR 1991
52.242-3	Penalties for Unallowable Costs	MAY 2014
52.242-4	Certification of Final Indirect Costs	JAN 1997
52.242-13	Bankruptcy	JUL 1995
52.243-1	Changes--Fixed Price	AUG 1987
52.243-1 Alt II	Changes--Fixed-Price (Aug 1987) - Alternate II	APR 1984
52.243-1 Alt III	Changes--Fixed Price (Aug 1987) - Alternate III	APR 1984
52.243-1 Alt V	Changes--Fixed-Price (Aug 1987) - Alternate V	APR 1984
52.243-2	Changes--Cost-Reimbursement	AUG 1987
52.243-2 Alt II	Changes--Cost Reimbursement (Aug 1987) - Alternate II	APR 1984
52.243-2 Alt V	Changes--Cost-Reimbursement (Aug 1987) - Alternate V	APR 1984
52.243-6	Change Order Accounting	APR 1984

52.2442	Subcontracts	OCT 2010
52.244-5	Competition In Subcontracting	DEC 1996
52.244-6	Subcontracts for Commercial Items	JUN 2016
52.245-1	Government Property	APR 2012
52.245-9	Use And Charges	APR 2012
52.246-23	Limitation Of Liability	FEB 1997
52.246-24	Limitation Of Liability--High-Value Items	FEB 1997
52.246-24 Alt I	Limitation Of Liability--High Value Items (Feb 1997) - Alternate I	APR 1984
52.246-25	Limitation Of Liability--Services	FEB 1997
52.247-1	Commercial Bill Of Lading Notations	FEB 2006
52.247-63	Preference For U.S. Flag Air Carriers	JUN 2003
52.247-67	Submission Of Transportation Documents For Audit	FEB 2006
52.248-1	Value Engineering	OCT 2010
52.249-2	Termination For Convenience Of The Government (Fixed-Price)	APR 2012
52.249-6	Termination (Cost Reimbursement)	MAY 2004
52.249-8	Default (Fixed-Price Supply & Service)	APR 1984
52.249-9	Default (Fixed-Priced Research And Development)	APR 1984
52.249-14	Excusable Delays	APR 1984
52.251-1	Government Supply Sources	APR 2012
52.251-2	Interagency Fleet Management System (IFMS) Vehicles And Related Services	JAN 1991
52.253-1	Computer Generated Forms	JAN 1991
252.203-7000	Requirements Relating to Compensation of Former DoD Officials	SEP 2011
252.203-7001	Prohibition On Persons Convicted of Fraud or Other Defense-Contract-Related Felonies	DEC 2008
252.203-7002	Requirement to Inform Employees of Whistleblower Rights	SEP 2013
252.203-7003	Agency Office of the Inspector General	DEC 2012
252.203-7004	Display of Fraud Hotline Poster(s)	OCT 2015
252.204-7000	Disclosure Of Information	AUG 2013
252.204-7002	Payment For Subline Items Not Separately Priced	DEC 1991
252.204-7003	Control Of Government Personnel Work Product	APR 1992
252.204-7005	Oral Attestation of Security Responsibilities	NOV 2001
252.2047009	Limitations on the Use or Disclosure of Third-Party Contractor Reported Cyber Incident Information	DEC 2015
252.2047012	Safeguarding Covered Defense Information and Cyber Incident Reporting.	DEC 2015
252.2047015	Notice of Authorized Disclosure of Information for Litigation Support	MAY 2016
252.205-7000	Provision Of Information To Cooperative Agreement Holders	DEC 1991
252.209-7004	Subcontracting With Firms That Are Owned or Controlled By The Government of a Country that is a State Sponsor of Terrorism	OCT 2015
252.211-7003	Item Unique Identification and Valuation	MAR 2016
252.211-7007	Reporting of Government-Furnished Property	AUG 2012
252.211-7008	Use of Government-Assigned Serial Numbers	SEP 2010
252.215-7000	Pricing Adjustments	DEC 2012
252.216-7004	Award Fee Reduction or Denial for Jeopardizing the Health or Safety of Government Personnel.	SEP 2011
252.216-7005	Award Fee	FEB 2011
252.217-7027	Contract Definitization	DEC 2012
252.219-7003	Small Business Subcontracting Plan (DOD Contracts)--Basic	MAR 2016

252.219-7003 (Dev)	Small Business Subcontracting Plan (DOD Contracts)--Basic (Deviation 2013-O001 4)	OCT 201 4
252.222-7002	Compliance With Local Labor Laws (Overseas)	JUN 1997
252.222-7006	Restrictions on the Use of Mandatory Arbitration Agreements	DEC 201 0
252.223-7001	Hazard Warning Labels	DEC 1991
252.223-7004	Drug Free Work Force	SEP 1988
252.223-7006	Prohibition On Storage, Treatment, and Disposal of Toxic or Hazardous Materials	SEP 2014
252.223-7008	Prohibition of Hexavalent Chromium	JUN 201 3
252.225-7001	Buy American And Balance Of Payments Program-- Basic (Nov 201 4)	NOV 201 4
252.225-7002	Qualifying Country Sources As Subcontractors	DEC 201 2
252.225-7004	Report of Intended Performance Outside the United States and Canada--Submission after Award	OCT 201 5
252.225-701 2	Preference For Certain Domestic Commodities	FEB 201 3
252.225-701 3	Duty-Free Entry--Basic (May 201 6)	MAY 201 6
252.225-701 5	Restriction on Acquisition of Hand Or Measuring Tools	JUN 2005
252.225-701 6	Restriction On Acquisition Of Ball and Roller Bearings	JUN 2011
252.225-7041	Correspondence in English	JUN 1997
252.225-7048	Export-Controlled Items	JUN 201 3
252.225-7980 (Dev)	Contractor Personnel Performing in the United States Africa Command Area of Responsibility. (DEVIATION 201 6-O0008)	JUN 201 6
252.225-7995 (Dev)	Contractor Personnel Performing in the United States Central Command Area of Responsibility (Deviation 201 7-O0004)	SEP 201 7
252.226-7001	Utilization of Indian Organizations and Indian-Owned Economic Enterprises, and Native Hawaiian Small Business Concerns	SEP 2004
252.227-701 3	Rights in Technical Data--Noncommercial Items	FEB 201 4
252.227-701 4	Rights in Noncommercial Computer Software and Noncommercial Computer Software Documentation	FEB 201 4
252.227-701 5	Technical Data--Commercial Items	FEB 201 4
252.227-701 6	Rights in Bid or Proposal Information	JAN 201 1
252.227-701 9	Validation of Asserted Restrictions--Computer Software	SEP 201 1
252.227-7020	Rights In Special Works	JUN 1995
252.2277025	Limitations on the Use or Disclosure of Government-Furnished Information Marked with Restrictive Legends	MAY 201 3
252.227-7026	Deferred Delivery Of Technical Data Or Computer Software	APR 1988
252.2277027	Deferred Ordering Of Technical Data Or Computer Software	APR 1988
252.227-7030	Technical Data--Withholding Of Payment	MAR 2000
252.2277037	Validation of Restrictive Markings on Technical Data	JUN 201 3
252.227-7038	Patent Rights--Ownership by the Contractor (Large Business)	JUN 201 2
252.228-7003	Capture and Detention	DEC 1991
252.231-7000	Supplemental Cost Principles	DEC 1991
252.232-701 0	Levies on Contract Payments	DEC 2006
252.234-7004	Cost and Software Data Reporting System--Basic (Nov 2014)	NOV 201 4
252.235-701 0	Acknowledgment of Support and Disclaimer	MAY 1995
252.235-7011	Final Scientific or Technical Report	JAN 201 5
252.237-701 0	Prohibition on Interrogation of Detainees by Contractor Personnel	JUN 201 3
252.237-701 9	Training for Contractor Personnel Interacting with Detainees	JUN 201 3
252.239-7000	Protection Against Compromising Emanations	JUN2004
252.239-7001	Information Assurance Contractor Training and Certification	JAN 2008
252.239-7010	Cloud Computing Services	AUG 201 5
252.239-701 8	Supply Chain Risk	OCT 201 5

252.242-7004	Material Management And Accounting System	MAY 2011
252.242-7005	Contractor Business Systems	FEB 2012
252.242-7006	Accounting System Administration	FEB 2012
252.243-7001	Pricing Of Contract Modifications	DEC 1991
252.243-7002	Requests for Equitable Adjustment	DEC 2012
252.244-7000	Subcontracts for Commercial Items	JUN 2013
252.244-7001	Contractor Purchasing System Administration	MAY 2014
252.245-7001	Tagging, Labeling, and Marking of Government-Furnished Property	APR 2012
252.245-7002	Reporting Loss of Government Property	APR 2012
252.245-7003	Contractor Property Management System Administration	APR 2012
252.245-7004	Reporting, Reutilization, and Disposal	MAR 2015
252.246-7001	Warranty Of Data	MAR 2014
252.246-7001 Alt I	Warranty Of Data (Mar 2014) - Alternate I	MAR 2014
252.246-7001 Alt II	Warranty Of Data (Mar 2014) - Alternate II	MAR 2014
252.246-7003	Notification of Potential Safety Issues	JUN 2013
252.246-7004	Safety of Facilities, Infrastructure, and Equipment for Military Operations	OCT 2010
252.246-7007	Contractor Counterfeit Electronic Part Detection and Avoidance System	AUG 2016
252.246-7008	Sources of Electronic Parts	AUG 2016
252.247-7023	Transportation of Supplies by Sea	APR 2014
252.247-7024	Notification Of Transportation Of Supplies By Sea	MAR 2000
252.249-7002	Notification of Anticipated Contract Termination or Reduction	OCT 2015
252.251-7000	Ordering From Government Supply Sources	AUG 2012
252.251-7001	Use Of Interagency Fleet Management System (IFMS) Vehicles And Related Services	DEC 1991

#### CLAUSES INCORPORATED BY FULL TEXT

#### 52.216-10 INCENTIVE FEE (JUN 2011)

(a) General. The Government shall pay the Contractor for performing this contract a fee determined as provided in this contract.

(b) Target cost and target fee. The target cost and target fee specified in the Schedule are subject to adjustment if the contract is modified in accordance with paragraph (d) below.

(1) "Target cost," as used in this contract, means the estimated cost of this contract as initially negotiated, adjusted in accordance with paragraph (d) below.

(2) "Target fee," as used in this contract, means the fee initially negotiated on the assumption that this contract would be performed for a cost equal to the estimated cost initially negotiated, adjusted in accordance with paragraph (d) below.

(c) Withholding of payment.

(1) Normally, the Government shall pay the fee to the Contractor as specified in the Schedule. However, when the Contracting Officer considers that performance or cost indicates that the Contractor will not achieve target, the Government shall pay on the basis of an appropriate lesser fee. When the Contractor demonstrates that performance or cost clearly indicates that the Contractor will earn a fee significantly above the target fee, the Government may, at the sole discretion of the Contracting Officer, pay on the basis of an appropriate higher fee.

(2) Payment of the incentive fee shall be made as specified in the Schedule; provided that the Contracting Officer withholds a reserve not to exceed 15 percent of the total incentive fee or \$100,000, whichever is less, to protect the Government's interest. The Contracting Officer shall release 75 percent of all fee withholds under this contract after receipt of an adequate certified final indirect cost rate proposal covering the year of physical completion of this contract, provided the Contractor has satisfied all other contract terms and conditions, including the submission of the final patent and royalty reports, and is not delinquent in submitting final vouchers on prior years' settlements. The Contracting Officer may release up to 90 percent of the fee withholds under this contract based on the Contractor's past performance related to the submission and settlement of final indirect cost rate proposals.

(d) Equitable adjustments. When the work under this contract is increased or decreased by a modification to this contract or when any equitable adjustment in the target cost is authorized under any other clause, equitable adjustments in the target cost, target fee, minimum fee, and maximum fee, as appropriate, shall be stated in a supplemental agreement to this contract.

(e) Fee payable. (1) The fee payable under this contract shall be the target fee increased by (as specified in each cost-plus-incentive-fee task order and the IRES Performance Evaluation and Incentive Plan) cents for every dollar that the total allowable cost is less than the target cost or decreased by (as specified in each cost-plus-incentive-fee task order and the IRES Performance Evaluation and Incentive Plan) cents for every dollar that the total allowable cost exceeds the target cost. In no event shall the fee be greater than (as specified in each cost-plus-incentive-fee task order and the IRES Performance Evaluation and Incentive Plan) percent or less than (as specified in each cost-plus-incentive-fee task order and the IRES Performance Evaluation and Incentive Plan) percent of the target cost.

(2) The fee shall be subject to adjustment, to the extent provided in paragraph (d) above, and within the minimum and maximum fee limitations in subparagraph (1) above, when the total allowable cost is increased or decreased as a consequence of (i) payments made under assignments or (ii) claims excepted from the release as required by paragraph (h)(2) of the Allowable Cost and Payment clause.

(3) If this contract is terminated in its entirety, the portion of the target fee payable shall not be subject to an increase or decrease as provided in this paragraph. The termination shall be accomplished in accordance with other applicable clauses of this contract.

(4) For the purpose of fee adjustment, "total allowable cost" shall not include allowable costs arising out of--

(i) Any of the causes covered by the Excusable Delays clause to the extent that they are beyond the control and without the fault or negligence of the Contractor or any subcontractor;

(ii) The taking effect, after negotiating the target cost, of a statute, court decision, written ruling, or regulation that results in the Contractor's being required to pay or bear the burden of any tax or duty or rate increase in a tax or duty;

(iii) Any direct cost attributed to the Contractor's involvement in litigation as required by the Contracting Officer pursuant to a clause of this contract, including furnishing evidence and information requested pursuant to the Notice and Assistance Regarding Patent and Copyright Infringement clause;

(iv) The purchase and maintenance of additional insurance not in the target cost and required by the Contracting Officer, or claims for reimbursement for liabilities to third persons pursuant to the Insurance Liability to Third Persons clause;

(v) Any claim, loss, or damage resulting from a risk for which the Contractor has been relieved of liability by the Government Property clause; or

(vi) Any claim, loss, or damage resulting from a risk defined in the contract as unusually hazardous or as a nuclear risk and against which the Government has expressly agreed to indemnify the Contractor.

(5) All other allowable costs are included in "total allowable cost" for fee adjustment in accordance with this paragraph (e), unless otherwise specifically provided in this contract.

(f) Contract modification. The total allowable cost and the adjusted fee determined as provided in this clause shall be evidenced by a modification to this contract signed by the Contractor and Contracting Officer.

(g) Inconsistencies. In the event of any language inconsistencies between this clause and provisioning documents or Government options under this contract, compensation for spare parts or other supplies and services ordered under such documents shall be determined in accordance with this clause.

(End of clause)

#### 52.216-16 INCENTIVE PRICE REVISION--FIRM TARGET (OCT 1997)

(a) General. The supplies or services identified in the Schedule as Items (as specified in each fixed-price-incentive task order) are subject to price revision in accordance with this clause; provided, that in no event shall the total final price of these items exceed the ceiling price of (as specified in each fixed-price-incentive task order) dollars (\$ (as specified in each fixed-price-incentive task order) ). Any supplies or services that are to be (1) ordered separately under, or otherwise added to, this contract and (2) subject to price revision in accordance with the terms of this clause shall be identified as such in a modification to this contract.

(b) Definition. "Costs," as used in this clause, means allowable costs in accordance with Part 31 of the Federal Acquisition Regulation (FAR) in effect on the date of this contract.

(c) Data submission. (1) Within 30 days after the end of the month in which the Contractor has delivered the last unit of supplies and completed the services specified by item number in paragraph (a) of this clause, the Contractor shall submit in the format of Table 15-2, FAR 15.408, or in any other form on which the parties agree--

(i) A detailed statement of all costs incurred up to the end of that month in performing all work under the items;

(ii) An estimate of costs of further performance, if any, that may be necessary to complete performance of all work under the items;

(iii) A list of all residual inventory and an estimate of its value; and

(iv) Any other relevant data that the Contracting Officer may reasonably require.

(2) If the Contractor fails to submit the data required by subparagraph (1) above within the time specified and it is later determined that the Government has overpaid the Contractor, the Contractor shall repay the excess to the Government immediately. Unless repaid within 30 days after the end of the data submittal period, the amount of the excess shall bear interest, computed from the date the data were due to the date of repayment, at the rate established in accordance with the Interest clause.

(d) Price revision. Upon the Contracting Officer's receipt of the data required by paragraph (c) above, the Contracting Officer and the Contractor shall promptly establish the total final price of the items specified in (a) above by applying to final negotiated cost an adjustment for profit or loss, as follows:

(1) On the basis of the information required by paragraph (c) above, together with any other pertinent information, the parties shall negotiate the total final cost incurred or to be incurred for supplies delivered (or services performed) and accepted by the Government and which are subject to price revision under this clause.

(2) The total final price shall be established by applying to the total final negotiated cost an adjustment for profit or loss, as follows:

- (i) If the total final negotiated cost is equal to the total target cost, the adjustment is the total target profit.
- (ii) If the total final negotiated cost is greater than the total target cost, the adjustment is the total target profit, less (as specified in each fixed-price-incentive task order and the IRES Performance Evaluation and Incentive Plan) percent of the amount by which the total final negotiated cost exceeds the total target cost.
- (iii) If the final negotiated cost is less than the total target cost, the adjustment is the total target profit plus (as specified in each fixed-price-incentive task order and the IRES Performance Evaluation and Incentive Plan) percent of the amount by which the total final negotiated cost is less than the total target cost.
- (e) Contract modification. The total final price of the items specified in paragraph (a) above shall be evidenced by a modification to this contract, signed by the Contractor and the Contracting Officer. This price shall not be subject to revision, notwithstanding any changes in the cost of performing the contract, except to the extent that--
- (1) The parties may agree in writing, before the determination of total final price, to exclude specific elements of cost from this price and to a procedure for subsequent disposition of those elements; and
- (2) Adjustments or credits are explicitly permitted or required by this or any other clause in this contract.
- (f) Adjusting billing prices. (1) Pending execution of the contract modification (see paragraph (e) above), the Contractor shall submit invoices or vouchers in accordance with billing prices as provided in this paragraph. The billing prices shall be the target prices shown in this contract.
- (2) If at any time it appears from information provided by the contractor under subparagraph (g)(2) below that the then-current billing prices will be substantially greater than the estimated final prices, the parties shall negotiate a reduction in the billing prices. Similarly, the parties may negotiate an increase in billing prices by any or all of the difference between the target prices and the ceiling price, upon the Contractor's submission of factual data showing that final cost under this contract will be substantially greater than the target cost.
- (3) Any billing price adjustment shall be reflected in a contract modification and shall not affect the determination of the total final price under paragraph (d) above. After the contract modification establishing the total final price is executed, the total amount paid or to be paid on all invoices or vouchers shall be adjusted to reflect the total final price, and any resulting additional payments, refunds, or credits shall be made promptly.
- (g) Quarterly limitation on payments statement. This paragraph (g) shall apply until final price revision under this contract has been completed.
- (1) Within 45 days after the end of each quarter of the Contractor's fiscal year in which a delivery is first made (or services are first performed) and accepted by the Government under this contract, and for each quarter thereafter, the Contractor shall submit to the contract administration office (with a copy to the contracting office and the cognizant contract auditor) a statement, cumulative from the beginning of the contract, showing--
- (i) The total contract price of all supplies delivered (or services performed) and accepted by the Government and for which final prices have been established;
- (ii) The total costs (estimated to the extent necessary) reasonably incurred for, and properly allocable solely to, the supplies delivered (or services performed) and accepted by the Government and for which final prices have not been established;
- (iii) The portion of the total target profit (used in establishing the initial contract price or agreed to for the purpose of this paragraph (g)) that is in direct proportion to the supplies delivered (or services performed) and accepted by the Government and for which final prices have not been established--increased or decreased in accordance with subparagraph (d)(2) above, when the amount stated under subdivision (ii), immediately above, differs from the aggregate target costs of the supplies or services; and

(iv) The total amount of all invoices or vouchers for supplies delivered (or services performed) and accepted by the Government (including amounts applied or to be applied to liquidate progress payments).

(2) Notwithstanding any provision of this contract authorizing greater payments, if on any quarterly statement the amount under subdivision (1)(iv) above exceeds the sum due the Contractor, as computed in accordance with subdivisions (1)(i), (ii), and (iii) above, the Contractor shall immediately refund or credit to the Government the amount of this excess. The Contractor may, when appropriate, reduce this refund or credit by the amount of any applicable tax credits due the Contractor under 26 U.S.C. 1481 and by the amount of previous refunds or credits effected under this clause. If any portion of the excess has been applied to the liquidation of progress payments, then that portion may, instead of being refunded, be added to the unliquidated progress payment account consistent with the Progress Payments clause. The Contractor shall provide complete details to support any claimed reductions in refunds.

(3) If the Contractor fails to submit the quarterly statement within 45 days after the end of each quarter and it is later determined that the Government has overpaid the Contractor, the Contractor shall repay the excess to the Government immediately. Unless repaid within 30 days after the end of the statement submittal period, the amount of the excess shall bear interest, computed from the date the quarterly statement was due to the date of repayment, at the rate established in accordance with the Interest clause.

(h) Subcontracts. No subcontract placed under this contract may provide for payment on a cost-plus-a-percentage-of-cost basis. The Contractor shall--

(1) Insert in each price redetermination or incentive price revision subcontract the substance of paragraph (g), above, and of this paragraph (h), modified to omit mention of the Government and to reflect the position of the Contractor as purchaser and of the subcontractor as vendor, and to omit that part of subparagraph (g)(2) above relating to tax credits; and

(2) Include in each cost-reimbursement subcontract a requirement that each lower-tier price redetermination or incentive price revision subcontract contain the substance of paragraph (g) above and of this paragraph (h), modified as required by subparagraph (1) above.

(i) Disagreements. If the Contractor and the Contracting Officer fail to agree upon the total final price within 60 days (or within such other period as the Contracting Officer may specify) after the date on which the data required by paragraph (c) above are to be submitted, the Contracting Officer shall promptly issue a decision in accordance with the Disputes clause.

(j) Termination. If this contract is terminated before the total final price is established, prices of supplies or services subject to price revision shall be established in accordance with this clause for (1) completed supplies and services accepted by the Government and (2) those supplies and services not terminated under a partial termination. All other elements of the termination shall be resolved in accordance with other applicable clauses of this contract.

(k) Equitable adjustment under other clauses. If an equitable adjustment in the contract price is made under any other clause of this contract before the total final price is established, the adjustment shall be made in the total target cost and may be made in the maximum dollar limit on the total final price, the total target profit, or both. If the adjustment is made after the total final price is established, only the total final price shall be adjusted.

(l) Exclusion from target price and total final price. If any clause of this contract provides that the contract price does not or will not include an amount for a specific purpose, then neither any target price nor the total final price includes or will include any amount for that purpose.

(m) Separate reimbursement. If any clause of this contract expressly provides that the cost of performance of an obligation shall be at Government expense, that expense shall not be included in any target price or in the total final price, but shall be reimbursed separately.

(n) Taxes. As used in the Federal, State, and Local Taxes clause or in any other clause that provides for certain taxes or duties to be included in, or excluded from, the contract price, the term "contract price" includes the total target price or, if it has been established, the total final price. When any of these clauses requires that the contract price be increased or decreased as a result of changes in the obligation of the Contractor to pay or bear the burden of certain taxes or duties, the increase or decrease shall be made in the total target price or, if it has been established, in the total final price, so that it will not affect the Contractor's profit or loss on this contract.

(End of Clause)

#### 52.216-19 ORDER LIMITATIONS. (OCT 1995)

(a) Minimum order. When the Government requires supplies or services covered by this contract in an amount of less than \$10,000, the Government is not obligated to purchase, nor is the Contractor obligated to furnish, those supplies or services under the contract.

(b) Maximum order. The Contractor is not obligated to honor:

(1) Any order for a single item in excess of \$2,500,000,000 ;

(2) Any order for a combination of items in excess of \$4,600,000,000 ; or

(3) A series of orders from the same ordering office within 10 days that together call for quantities exceeding the limitation in subparagraph (1) or (2) above.

(c) If this is a requirements contract (i.e., includes the Requirements clause at subsection 52.216-21 of the Federal Acquisition Regulation (FAR)), the Government is not required to order a part of any one requirement from the Contractor if that requirement exceeds the maximum-order limitations in paragraph (b) above.

(d) Notwithstanding paragraphs (b) and (c) above, the Contractor shall honor any order exceeding the maximum order limitations in paragraph (b), unless that order (or orders) is returned to the ordering office within 3 days after issuance, with written notice stating the Contractor's intent not to ship the item (or items) called for and the reasons. Upon receiving this notice, the Government may acquire the supplies or services from another source.

(End of clause)

#### 52.216-22 INDEFINITE QUANTITY. (OCT 1995)

(a) This is an indefinite-quantity contract for the supplies or services specified, and effective for the period stated, in the Schedule. The quantities of supplies and services specified in the Schedule are estimates only and are not purchased by this contract.

(b) Delivery or performance shall be made only as authorized by orders issued in accordance with the Ordering clause. The Contractor shall furnish to the Government, when and if ordered, the supplies or services specified in the Schedule up to and including the quantity designated in the Schedule as the "maximum". The Government shall order at least the quantity of supplies or services designated in the Schedule as the "minimum".

(c) Except for any limitations on quantities in the Order Limitations clause or in the Schedule, there is no limit on the number of orders that may be issued. The Government may issue orders requiring delivery to multiple destinations or performance at multiple locations.

(d) Any order issued during the effective period of this contract and not completed within that period shall be

completed by the Contractor within the time specified in the order. The contract shall govern the Contractor's and Government's rights and obligations with respect to that order to the same extent as if the order were completed during the contract's effective period; provided that the Contractor shall not be required to make any deliveries under this contract after 18 months following the contract's ordering period end date.

(End of clause)

#### 52.217-8 OPTION TO EXTEND SERVICES (NOV 1999)

The Government may require continued performance of any services within the limits and at the rates specified in the contract. These rates may be adjusted only as a result of revisions to prevailing labor rates provided by the Secretary of Labor. The option provision may be exercised more than once, but the total extension of performance hereunder shall not exceed 6 months. The Contracting Officer may exercise the option by written notice to the Contractor at least 15 days prior to the expiration of the ordering period.

(End of clause)

#### 52.222-2 PAYMENT FOR OVERTIME PREMIUMS (JUL 1990)

(a) The use of overtime is authorized under this contract if the overtime premium cost does not exceed \*zero (unless approved in writing by the Contracting Officer on each cost-reimbursement task order) or the overtime premium is paid for work --

(1) Necessary to cope with emergencies such as those resulting from accidents, natural disasters, breakdowns of production equipment, or occasional production bottlenecks of a sporadic nature;

(2) By indirect-labor employees such as those performing duties in connection with administration, protection, transportation, maintenance, standby plant protection, operation of utilities, or accounting;

(3) To perform tests, industrial processes, laboratory procedures, loading or unloading of transportation conveyances, and operations in flight or afloat that are continuous in nature and cannot reasonably be interrupted or completed otherwise; or

(4) That will result in lower overall costs to the Government.

(b) Any request for estimated overtime premiums that exceeds the amount specified above shall include all estimated overtime for contract completion and shall--

(1) Identify the work unit; e.g., department or section in which the requested overtime will be used, together with present workload, staffing, and other data of the affected unit sufficient to permit the Contracting Officer to evaluate the necessity for the overtime;

(2) Demonstrate the effect that denial of the request will have on the contract delivery or performance schedule;

(3) Identify the extent to which approval of overtime would affect the performance or payments in connection with other Government contracts, together with identification of each affected contract; and

(4) Provide reasons why the required work cannot be performed by using multishift operations or by employing additional personnel.

(End of clause)

52.223-9 ESTIMATE OF PERCENTAGE OF RECOVERED MATERIAL CONTENT FOR EPA-DESIGNATED ITEMS (MAY 2008)

(a) Definitions. As used in this clause--

Postconsumer material means a material or finished product that has served its intended use and has been discarded for disposal or recovery, having completed its life as a consumer item. Postconsumer material is a part of the broader category of "recovered material."

Recovered material means waste materials and by-products recovered or diverted from solid waste, but the term does not include those materials and by-products generated from, and commonly reused within, an original manufacturing process.

(b) The Contractor, on completion of this contract, shall--

(1) Estimate the percentage of the total recovered material content for EPA-designated item(s) delivered and/or used in contract performance, including, if applicable, the percentage of post-consumer material content; and

(2) Submit this estimate to (as specified at the task order level).

(End of clause)

52.232-32 PERFORMANCE-BASED PAYMENTS (APR 2012)

(a) Amount of payments and limitations on payments. Subject to such other limitations and conditions as are specified in this contract and this clause, the amount of payments and limitations on payments shall be specified in the contract's description of the basis for payment.

(b) Contractor request for performance-based payment. The Contractor may submit requests for payment of performance-based payments not more frequently than monthly, in a form and manner acceptable to the Contracting Officer. Unless otherwise authorized by the Contracting Officer, all performance-based payments in any period for which payment is being requested shall be included in a single request, appropriately itemized and totaled. The Contractor's request shall contain the information and certification detailed in paragraphs (l) and (m) of this clause.

(c) Approval and payment of requests.

(1) The Contractor shall not be entitled to payment of a request for performance-based payment prior to successful accomplishment of the event or performance criterion for which payment is requested. The Contracting Officer shall determine whether the event or performance criterion for which payment is requested has been successfully accomplished in accordance with the terms of the contract. The Contracting Officer may, at any time, require the Contractor to substantiate the successful performance of any event or performance criterion which has been or is represented as being payable.

(2) A payment under this performance-based payment clause is a contract financing payment under the Prompt Payment clause of this contract and not subject to the interest penalty provisions of the Prompt Payment Act. The designated payment office will pay approved requests on the 30th day after receipt of the request for performance-based payment by the designated payment office. However, the designated payment office is not required to provide payment if the Contracting Officer requires substantiation as provided in paragraph (c)(1) of this clause, or inquiries into the status of an event or performance criterion, or into any of the conditions listed in paragraph (e) of this clause, or into the Contractor certification. The payment period will not begin until the Contracting Officer approves

the request.

(3) The approval by the Contracting Officer of a request for performance-based payment does not constitute an acceptance by the Government and does not excuse the Contractor from performance of obligations under this contract.

(d) Liquidation of performance-based payments.

(1) Performance-based finance amounts paid prior to payment for delivery of an item shall be liquidated by deducting a percentage or a designated dollar amount from the delivery payment. If the performance-based finance payments are on a delivery item basis, the liquidation amount for each such line item shall be the percent of that delivery item price that was previously paid under performance-based finance payments or the designated dollar amount. If the performance-based finance payments are on a whole contract basis, liquidation shall be by either predesignated liquidation amounts or a liquidation percentage.

(2) If at any time the amount of payments under this contract exceeds any limitation in this contract, the Contractor shall repay to the Government the excess. Unless otherwise determined by the Contracting Officer, such excess shall be credited as a reduction in the unliquidated performance-based payment balance(s), after adjustment of invoice payments and balances for any retroactive price adjustments.

(e) Reduction or suspension of performance-based payments. The Contracting Officer may reduce or suspend performance-based payments, liquidate performance-based payments by deduction from any payment under the contract, or take a combination of these actions after finding upon substantial evidence any of the following conditions:

(1) The Contractor failed to comply with any material requirement of this contract (which includes paragraphs (h) and (i) of this clause).

(2) Performance of this contract is endangered by the Contractor's --

(i) Failure to make progress; or

(ii) Unsatisfactory financial condition.

(3) The Contractor is delinquent in payment of any subcontractor or supplier under this contract in the ordinary course of business.

(f) Title.

(1) Title to the property described in this paragraph (f) shall vest in the Government. Vestiture shall be immediately upon the date of the first performance-based payment under this contract, for property acquired or produced before that date. Otherwise, vestiture shall occur when the property is or should have been allocable or properly chargeable to this contract

(2) "Property," as used in this clause, includes all of the following described items acquired or produced by the Contractor that are or should be allocable or properly chargeable to this contract under sound and generally accepted accounting principles and practices:

(i) Parts, materials, inventories, and work in process;

(ii) Special tooling and special test equipment to which the Government is to acquire title;

(iii) Nondurable (i.e., noncapital) tools, jigs, dies, fixtures, molds, patterns, taps, gauges, test equipment and other similar manufacturing aids, title to which would not be obtained as special tooling under subparagraph (f)(2)(ii) of this clause; and

(iv) Drawings and technical data, to the extent the Contractor or subcontractors are required to deliver them to the Government by other clauses of this contract.

(3) Although title to property is in the Government under this clause, other applicable clauses of this contract (e.g., the termination or clauses) shall determine the handling and disposition of the property.

(4) The Contractor may sell any scrap resulting from production under this contract, without requesting the Contracting Officer's approval, provided that any significant reduction in the value of the property to which the Government has title under this clause is reported in writing to the Contracting Officer.

(5) In order to acquire for its own use or dispose of property to which title is vested in the Government under this clause, the Contractor shall obtain the Contracting Officer's advance approval of the action and the terms. If approved, the basis for payment (the events or performance criteria) to which the property is related shall be deemed to be not in compliance with the terms of the contract and not payable (if the property is part of or needed for performance), and the Contractor shall refund the related performance-based payments in accordance with paragraph (d) of this clause.

(6) When the Contractor completes all of the obligations under this contract, including liquidation of all performance-based payments, title shall vest in the Contractor for all property (or the proceeds thereof) not --

(i) Delivered to, and accepted by, the Government under this contract; or

(ii) Incorporated in supplies delivered to, and accepted by, the Government under this contract and to which title is vested in the Government under this clause.

(7) The terms of this contract concerning liability for Government-furnished property shall not apply to property to which the Government acquired title solely under this clause.

(g) Risk of loss. Before delivery to and acceptance by the Government, the Contractor shall bear the risk of loss for property, the title to which vests in the Government under this clause, except to the extent the Government expressly assumes the risk. If any property is lost (see 45.101), the basis of payment (the events or performance criteria) to which the property is related shall be deemed to be not in compliance with the terms of the contract and not payable (if the property is part of or needed for performance), and the Contractor shall refund the related performance-based payments in accordance with paragraph (d) of this clause.

(h) Records and controls. The Contractor shall maintain records and controls adequate for administration of this clause. The Contractor shall have no entitlement to performance-based payments during any time the Contractor's records or controls are determined by the Contracting Officer to be inadequate for administration of this clause.

(i) Reports and Government access. The Contractor shall promptly furnish reports, certificates, financial statements, and other pertinent information requested by the Contracting Officer for the administration of this clause and to determine that an event or other criterion prompting a financing payment has been successfully accomplished. The Contractor shall give the Government reasonable opportunity to examine and verify the Contractor's records and to examine and verify the Contractor's performance of this contract for administration of this clause.

(j) Special terms regarding default. If this contract is terminated under the Default clause,

(1) the Contractor shall, on demand, repay to the Government the amount of unliquidated performance-based payments, and

(2) title shall vest in the Contractor, on full liquidation of all performance-based payments, for all property for which the Government elects not to require delivery under the Default clause of this contract. The Government shall be liable for no payment except as provided by the Default clause.

(k) Reservation of rights.

(1) No payment or vesting of title under this clause shall --

(i) Excuse the Contractor from performance of obligations under this contract; or

(ii) Constitute a waiver of any of the rights or remedies of the parties under the contract.

(2) The Government's rights and remedies under this clause --

(i) Shall not be exclusive, but rather shall be in addition to any other rights and remedies provided by law or this contract; and

(ii) Shall not be affected by delayed, partial, or omitted exercise of any right, remedy, power, or privilege, nor shall such exercise or any single exercise preclude or impair any further exercise under this clause or the exercise of any other right, power, or privilege of the Government.

(l) Content of Contractor's request for performance-based payment. The Contractor's request for performance-based payment shall contain the following:

(1) The name and address of the Contractor;

(2) The date of the request for performancebased payment;

(3) The contract number and/or other identifier of the contract or order under which the request is made;

(4) Such information and documentation as is required by the contract's description of the basis for payment; and

(5) A certification by a Contractor official authorized to bind the Contractor, as specified in paragraph (m) of this clause.

(m) Content of Contractor's certification. As required in paragraph (l)(5) of this clause, the Contractor shall make the following certification in each request for performance-based payment:

I certify to the best of my knowledge and belief that --

(1) This request for performance-based payment is true and correct; this request (and attachments) has been prepared from the books and records of the Contractor, in accordance with the contract and the instructions of the Contracting Officer;

(2) (Except as reported in writing on \_\_\_\_\_), all payments to subcontractors and suppliers under this contract have been paid, or will be paid, currently, when due in the ordinary course of business;

(3) There are no encumbrances (except as reported in writing on \_\_\_\_\_) against the property acquired or produced for, and allocated or properly chargeable to, the contract which would affect or impair the Government's title;

(4) There has been no materially adverse change in the financial condition of the Contractor since the submission by the Contractor to the Government of the most recent written information dated \_\_\_\_\_; and

(5) After the making of this requested performance-based payment, the amount of all payments for each deliverable item for which performance-based payments have been requested will not exceed any limitation in the contract, and the amount of all payments under the contract will not exceed any limitation in the contract.

(End of Clause)

**52.252-2 CLAUSES INCORPORATED BY REFERENCE (FEB 1998)**

This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. Also, the full text of a clause may be accessed electronically at this/these address(es):

<https://www.acquisition.gov/>  
<https://www.federalregister.gov/>

(End of clause)

**52.252-6 AUTHORIZED DEVIATIONS IN CLAUSES (APR 1984)**

(a) The use in this solicitation or contract of any Federal Acquisition Regulation (48 CFR Chapter 1) clause with an authorized deviation is indicated by the addition of "(DEVIATION)" after the date of the clause.

(b) The use in this solicitation or contract of any Defense Federal Acquisition Regulation Supplement (48 CFR Chapter 2) clause with an authorized deviation is indicated by the addition of "(DEVIATION)" after the name of the regulation.

(End of clause)

**252.203-7997 PROHIBITION ON CONTRACTING WITH ENTITIES THAT REQUIRE CERTAIN INTERNAL CONFIDENTIALITY AGREEMENTS (DEVIATION 2016-O0003)(OCT 2015)**

(a) The Contractor shall not require employees or subcontractors seeking to report fraud, waste, or abuse to sign or comply with internal confidentiality agreements or statements prohibiting or otherwise restricting such employees or contractors from lawfully reporting such waste, fraud, or abuse to a designated investigative or law enforcement representative of a Federal department or agency authorized to receive such information.

(b) The Contractor shall notify employees that the prohibitions and restrictions of any internal confidentiality agreements covered by this clause are no longer in effect.

(c) The prohibition in paragraph (a) of this clause does not contravene requirements applicable to Standard Form 312, Form 4414, or any other form issued by a Federal department or agency governing the nondisclosure of classified information.

(d)(1) Use of funds appropriated (or otherwise made available) by the Continuing Appropriations Act, 2016 (Pub. L. 114-53) or any other FY 2016 appropriations act that extends to FY 2016 funds the same prohibitions as contained in sections 743 of division E, title VII, of the Consolidated and Further Continuing Appropriations Act, 2015 (Pub. L. 113-235) may be prohibited, if the Government determines that the Contractor is not in compliance with the provisions of this clause.

(2) The Government may seek any available remedies in the event the Contractor fails to perform in accordance with the terms and conditions of the contract as a result of Government action under this clause.

(End of clause)

## 252.216-7006 ORDERING (MAY 2011)

(a) Any supplies and services to be furnished under this contract shall be ordered by issuance of delivery orders or task orders by the individuals or activities designated in the contract schedule. Such orders may be issued from the date of contract award for a period of five years. Extension of the basic five-year ordering period may be executed by the Government at its sole discretion under the terms and conditions of the contract via the 3 one-year award-term incentives (reference Section J Attachment 06, IRES Performance Evaluation and Incentive Plan) and/or the option at FAR 52.217-8, Option to Extend Services.

(b) All delivery orders or task orders are subject to the terms and conditions of this contract. In the event of conflict between a delivery order or task order and this contract, the contract shall control.

(c)(1) If issued electronically, the order is considered "issued" when a copy has been posted to the Electronic Document Access system, and notice has been sent to the Contractor.

(2) If mailed or transmitted by facsimile, a delivery order or task order is considered "issued" when the Government deposits the order in the mail or transmits by facsimile. Mailing includes transmittal by U.S. mail or private delivery services.

(3) Orders may be issued orally only if authorized in the schedule.

(End of Clause)

## 252.222-7000 RESTRICTIONS ON EMPLOYMENT OF PERSONNEL (MAR 2000)

(a) The Contractor shall employ, for the purpose of performing that portion of the contract work with permanent party personnel in Alaska, Hawaii, Puerto Rico, the Northern Mariana Islands, American Samoa, Guam, the U.S. Virgin Islands, Baker Island, Howland Island, Jarvis Island, Johnston Atoll, Kingman Reef, Midway Islands, Navassa Island, Palmyra Atoll, and Wake Island, individuals who are residents thereof and who, in the case of any craft or trade, possess or would be able to acquire promptly the necessary skills to perform the contract.

(b) The Contractor shall insert the substance of this clause, including this paragraph (b), in each subcontract awarded under this contract.

(End of clause)

## 252.225-7043 ANTITERRORISM/FORCE PROTECTION POLICY FOR DEFENSE CONTRACTORS OUTSIDE THE UNITED STATES (JUN 2015)

(a) Definition. United States, as used in this clause, means, the 50 States, the District of Columbia, and outlying areas.

(b) Except as provided in paragraph (c) of this clause, the Contractor and its subcontractors, if performing or traveling outside the United States under this contract, shall--

(1) Affiliate with the Overseas Security Advisory Council, if the Contractor or subcontractor is a U.S. entity;

(2) Ensure that Contractor and subcontractor personnel who are U.S. nationals and are in-country on a non-transitory basis, register with the U.S. Embassy, and that Contractor and subcontractor personnel who are third country nationals comply with any security related requirements of the Embassy of their nationality;

(3) Provide, to Contractor and subcontractor personnel, antiterrorism/force protection awareness information commensurate with that which the Department of Defense (DoD) provides to its military and civilian personnel and their families, to the extent such information can be made available prior to travel outside the United States; and

(4) Obtain and comply with the most current antiterrorism/force protection guidance for Contractor and subcontractor personnel.

(c) The requirements of this clause do not apply to any subcontractor that is--

(1) A foreign government;

(2) A representative of a foreign government; or

(3) A foreign corporation wholly owned by a foreign government.

(d) Information and guidance pertaining to DoD antiterrorism/force protection can be obtained from the Contracting Officer's technical representative on each task order.

(End of clause)

#### 252.232-7007 LIMITATION OF GOVERNMENT'S OBLIGATION (APR 2014)

(a) Contract line item(s) (as specified in each fixed-price task order) is/are incrementally funded. For this/these item(s), the sum of \$ (as specified in each fixed-price task order) of the total price is presently available for payment and allotted to this contract. An allotment schedule is set forth in paragraph (j) of this clause.

(b) For item(s) identified in paragraph (a) of this clause, the Contractor agrees to perform up to the point at which the total amount payable by the Government, including reimbursement in the event of termination of those item(s) for the Government's convenience, approximates the total amount currently allotted to the contract. The Contractor is not authorized to continue work on those item(s) beyond that point. The Government will not be obligated in any event to reimburse the Contractor in excess of the amount allotted to the contract for those item(s) regardless of anything to the contrary in the clause entitled "TERMINATION FOR THE CONVENIENCE OF THE GOVERNMENT." As used in this clause, the total amount payable by the Government in the event of termination of applicable contract line item(s) for convenience includes costs, profit and estimated termination settlement costs for those item(s).

(c) Notwithstanding the dates specified in the allotment schedule in paragraph (j) of this clause, the Contractor will notify the Contracting Officer in writing at least thirty days prior to the date when, in the Contractor's best judgment, the work will reach the point at which the total amount payable by the Government, including any cost for termination for convenience, will approximate 85 percent of the total amount then allotted to the contract for performance of the applicable item(s). The notification will state (1) the estimated date when that point will be reached and (2) an estimate of additional funding, if any, needed to continue performance of applicable line items up to the next scheduled date for allotment of funds identified in paragraph (j) of this clause, or to a mutually agreed upon substitute date. The notification will also advise the Contracting Officer of the estimated amount of additional funds that will be required for the timely performance of the item(s) funded pursuant to this clause, for subsequent period as may be specified in the allotment schedule in paragraph (j) of this clause, or otherwise agreed to by the parties. If after such notification additional funds are not allotted by the date identified in the Contractor's notification, or by an agreed substitute date, the Contracting Officer will terminate any item(s) for which additional

funds have not been allotted, pursuant to the clause of this contract entitled "TERMINATION FOR THE CONVENIENCE OF THE GOVERNMENT".

(d) When additional funds are allotted for continued performance of the contract line item(s) identified in paragraph (a) of this clause, the parties will agree as to the period of contract performance which will be covered by the funds. The provisions of paragraph (b) through (d) of this clause will apply in like manner to the additional allotted funds and agreed substitute date, and the contract will be modified accordingly.

(e) If, solely by reason of failure of the Government to allot additional funds, by the dates indicated below, in amounts sufficient for timely performance of the contract line item(s) identified in paragraph (a) of this clause, the Contractor incurs additional costs or is delayed in the performance of the work under this contract and if additional funds are allotted, an equitable adjustment will be made in the price or prices (including appropriate target, billing, and ceiling prices where applicable) of the item(s), or in the time of delivery, or both. Failure to agree to any such equitable adjustment hereunder will be a dispute concerning a question of fact within the meaning of the clause entitled "disputes."

(f) The Government may at any time prior to termination allot additional funds for the performance of the contract line item(s) identified in paragraph (a) of this clause.

(g) The termination provisions of this clause do not limit the rights of the Government under the clause entitled "DEFAULT." The provisions of this clause are limited to work and allotment of funds for the contract line item(s) set forth in paragraph (a) of this clause. This clause no longer applies once the contract is fully funded except with regard to the rights or obligations of the parties concerning equitable adjustments negotiated under paragraphs (d) or (e) of this clause.

(h) Nothing in this clause affects the right of the Government to this contract pursuant to the clause of this contract entitled "TERMINATION FOR CONVENIENCE OF THE GOVERNMENT."

(i) Nothing in this clause shall be construed as authorization of voluntary services whose acceptance is otherwise prohibited under 31 U.S.C. 1342.

(j) The parties contemplate that the Government will allot funds to this contract in accordance with the following schedule:

On execution of contract \$--

(month) (day), (year) \$----

(as specified in each fixed-price task order)

(End of clause)

## 252.234-7002 EARNED VALUE MANAGEMENT SYSTEM (DEVIATION 2015-O0017) (SEPT 2015)

(a) Definitions. As used in this clause--

Acceptable earned value management system means an earned value management system that generally complies with system criteria in paragraph (b) of this clause.

Earned value management system means an earned value management system that complies with the earned value management system guidelines in the ANSI/EIA-748.

Significant deficiency means a shortcoming in the system that materially affects the ability of officials of the Department of Defense to rely upon information produced by the system that is needed for management purposes.

(b) System criteria. In the performance of this contract, the Contractor shall use--

(1) An Earned Value Management System (EVMS) that complies with the EVMS guidelines in the American National Standards Institute/Electronic Industries Alliance Standard 748, Earned Value Management Systems (ANSI/EIA-748); and

(2) Management procedures that provide for generation of timely, reliable, and verifiable information for the Contract Performance Report (CPR) and the Integrated Master Schedule (IMS) required by the CPR and IMS data items of this contract.

(c) If this contract has a value of \$1 00 million or more, the Contractor shall use an EVMS that has been determined to be acceptable by the Cognizant Federal Agency (CFA). If, at the time of award, the Contractor's EVMS has not been determined by the CFA to be in compliance with the EVMS guidelines as stated in paragraph (b)(1) of this clause, the Contractor shall apply its current system to the contract and shall take necessary actions to meet the milestones in the Contractor's EVMS plan.

(d) If this contract has a value of less than \$1 00 million, the Government will not make a formal determination that the Contractor's EVMS complies with the EVMS guidelines in ANSI/EIA-748 with respect to the contract. The use of the Contractor's EVMS for this contract does not imply a Government determination of the Contractor's compliance with the EVMS guidelines in ANSI/EIA-748 for application to future contracts. The Government will allow the use of a Contractor's EVMS that has been formally reviewed and determined by the CFA to be in compliance with the EVMS guidelines in ANSI/EIA-748.

(e) The Contractor shall submit notification of any proposed substantive changes to the EVMS procedures and the impact of those changes to the CFA. If this contract has a value of \$1 00 million or more, unless a waiver is granted by the CFA, any EVMS changes proposed by the Contractor require approval of the CFA prior to implementation. The CFA will advise the Contractor of the acceptability of such changes as soon as practicable (generally within 30 calendar days) after receipt of the Contractor's notice of proposed changes. If the CFA waives the advance approval requirements, the Contractor shall disclose EVMS changes to the CFA at least 14 calendar days prior to the effective date of implementation.

(f) The Government will schedule integrated baseline reviews as early as practicable, and the review process will be conducted not later than 180 calendar days after--

(1) Contract award;

(2) The exercise of significant contract options; and

(3) The incorporation of major modifications.

During such reviews, the Government and the Contractor will jointly assess the Contractor's baseline to be used for performance measurement to ensure complete coverage of the statement of work, logical scheduling of the work activities, adequate resourcing, and identification of inherent risks.

(g) The Contractor shall provide access to all pertinent records and data requested by the Contracting Officer or duly authorized representative as necessary to permit Government surveillance to ensure that the EVMS complies, and continues to comply, with the performance criteria referenced in paragraph (b) of this clause.

(h) When indicated by contract performance, the Contractor shall submit a request for approval to initiate an over-target baseline or over-target schedule to the Contracting Officer. The request shall include a top-level projection of cost and/or schedule growth, a determination of whether or not performance variances will be retained, and a schedule of implementation for the rebaselining. The Government will acknowledge receipt of the request in a timely manner (generally within 30 calendar days).

(i) Significant deficiencies.

(1) The Contracting Officer will provide an initial determination to the contractor, in writing, on any significant deficiencies. The initial determination will describe the deficiency in sufficient detail to allow the Contractor to understand the deficiency.

(2) The Contractor shall respond within 30 days to a written initial determination from the Contracting Officer that identifies significant deficiencies in the Contractor's EVMS. If the Contractor disagrees with the initial determination, the Contractor shall state, in writing, its rationale for disagreeing.

(3) The Contracting Officer will evaluate the Contractor's response and notify the Contractor, in writing, of the Contracting Officer's final determination concerning--

(i) Remaining significant deficiencies;

(ii) The adequacy of any proposed or completed corrective action;

(iii) System noncompliance, when the Contractor's existing EVMS fails to comply with the earned value management system guidelines in the ANSI/EIA-748; and

(iv) System disapproval, if initial EVMS validation is not successfully completed within the timeframe approved by the Contracting Officer, or if the Contracting Officer determines that the Contractor's earned value management

system contains one or more significant deficiencies in high-risk guidelines in ANSI/EIA-748 standards (guidelines 1, 3, 6, 7, 8, 9, 10, 12, 16, 21, 23, 26, 27, 28, 30, or 32). When the Contracting Officer determines that the existing earned value management system contains one or more significant deficiencies in one or more of the remaining 16 guidelines in ANSI/EIA-748 standards, the contracting officer will use discretion to disapprove the system based on input received from functional specialists and the auditor.

(4) If the Contractor receives the Contracting Officer's final determination of significant deficiencies, the Contractor shall, within 45 days of receipt of the final determination, either correct the significant deficiencies or submit an acceptable corrective action plan showing milestones and actions to eliminate the significant deficiencies.

(j) Withholding payments. If the Contracting Officer makes a final determination to disapprove the Contractor's EVMS, and the contract includes the clause at 252.242-7005, Contractor Business Systems, the Contracting Officer will withhold payments in accordance with that clause.

(k) With the exception of paragraphs (i) and (j) of this clause, the Contractor shall require its subcontractors to comply with EVMS requirements as follows:

(1) For subcontracts valued at \$1 00 million or more, the following subcontractors shall comply with the requirements of this clause:

(To be identified in each task order, if applicable)

(2) For subcontracts valued at less than \$100 million, the following subcontractors shall comply with the requirements of this clause, excluding the requirements of paragraph (c) of this clause:

(To be identified in each task order, if applicable)

(End of clause)

#### 252.237-7023 CONTINUATION OF ESSENTIAL CONTRACTOR SERVICES (OCT 2010)

(a) Definitions. As used in this clause

(1) Essential contractor service means a service provided by a firm or individual under contract to DoD to support mission-essential functions, such as support of vital systems, including ships owned, leased, or operated in support of military missions or roles at sea; associated support activities, including installation, garrison, and base support services; and similar services provided to foreign military sales customers under the Security Assistance Program. Services are essential if the effectiveness of defense systems or operations has the potential to be seriously impaired by the interruption of these services, as determined by the appropriate functional commander or civilian equivalent.

(2) Mission-essential functions means those organizational activities that must be performed under all circumstances to achieve DoD component missions or responsibilities, as determined by the appropriate functional commander or civilian equivalent. Failure to perform or sustain these functions would significantly affect DoD's ability to provide vital services or exercise authority, direction, and control.

(b) The Government has identified all or a portion of the contractor services performed under this contract as essential contractor services in support of mission-essential functions. These services are listed in attachment (as identified in each task order), Mission-Essential Contractor Services, dated (as identified in each task order).

(c)(1) The Mission-Essential Contractor Services Plan submitted by the Contractor, is incorporated in this contract.

(2) The Contractor shall maintain and update its plan as necessary. The Contractor shall provide all plan updates to the Contracting Officer for approval.

(3) As directed by the Contracting Officer, the Contractor shall participate in training events, exercises, and drills associated with Government efforts to test the effectiveness of continuity of operations procedures and practices.

(d)(1) Notwithstanding any other clause of this contract, the Contractor shall be responsible to perform those services identified as essential contractor services during crisis situations (as directed by the Contracting Officer), in accordance with its Mission-Essential Contractor Services Plan.

(2) In the event the Contractor anticipates not being able to perform any of the essential contractor services identified in accordance with paragraph (b) of this clause during a crisis situation, the Contractor shall notify the Contracting Officer or other designated representative as expeditiously as possible and use its best efforts to cooperate with the Government in the Government's efforts to maintain the continuity of operations.

(e) The Government reserves the right in such crisis situations to use Federal employees, military personnel, or contract support from other contractors, or to enter into new contracts for essential contractor services.

(f) Changes. The Contractor shall segregate and separately identify all costs incurred in continuing performance of essential services in a crisis situation. The Contractor shall notify the Contracting Officer of an increase or decrease in costs within ninety days after continued performance has been directed by the Contracting Officer, or within any additional period that the Contracting Officer approves in writing, but not later than the date of final payment under the contract. The Contractor's notice shall include the Contractor's proposal for an equitable adjustment and any data supporting the increase or decrease in the form prescribed by the Contracting Officer. The parties shall negotiate an equitable price adjustment to the contract price, delivery schedule, or both as soon as is practicable after receipt of the Contractor's proposal.

(g) The Contractor shall include the substance of this clause, including this paragraph (g), in subcontracts for the essential services.

(End of clause)

52.232-20 (TAILORED)

52.232-20 Limitation of Cost (Apr 1984)

(a) The parties estimate that performance of this contract, exclusive of any fee, will not cost the Government more than (1) the estimated cost specified in the Task Order or, (2) if this is a cost-sharing contract, the Government's share of the estimated cost specified in the Task Order. The Contractor agrees to use its best efforts to perform the work specified in the Task Order and all obligations under this contract within the estimated cost, which, if this is a cost-sharing contract, includes both the Government's and the Contractor's share of the cost.

(b) The Contractor shall notify the Contracting Officer in writing whenever it has reason to believe that—

(1) The costs the Contractor expects to incur under this contract in the next 30 days, when added to all costs previously incurred, will exceed 85 percent of the estimated cost specified in the Task Order; or

(2) The total cost for the performance of this contract, exclusive of any fee, will be either greater or substantially less than had been previously estimated.

(c) As part of the notification, the Contractor shall provide the Contracting Officer a revised estimate of the total cost of performing this contract.

(d) Except as required by other provisions of this contract, specifically citing and stated to be an exception to this clause—

(1) The Government is not obligated to reimburse the Contractor for costs incurred in excess of (i) the estimated cost specified in the Task Order or, (ii) if this is a cost-sharing contract, the estimated cost to the Government specified in the Task Order; and

(2) The Contractor is not obligated to continue performance under this contract (including actions under the Termination clause of this contract) or otherwise incur costs in excess of the estimated cost specified in the Task

Order, until the Contracting Officer (i) notifies the Contractor in writing that the estimated cost has been increased and (ii) provides a revised estimated total cost of performing this contract. If this is a cost-sharing contract, the increase shall be allocated in accordance with the formula specified in the Task Order.

(e) No notice, communication, or representation in any form other than that specified in paragraph (d)(2) of this clause, or from any person other than the Contracting Officer, shall affect this contract's estimated cost to the Government. In the absence of the specified notice, the Government is not obligated to reimburse the Contractor for any costs in excess of the estimated cost or, if this is a cost-sharing contract, for any costs in excess of the estimated cost to the Government specified in the Task Order, whether those excess costs were incurred during the course of the contract or as a result of termination.

(f) If the estimated cost specified in the Task Order is increased, any costs the Contractor incurs before the increase that are in excess of the previously estimated cost shall be allowable to the same extent as if incurred afterward, unless the Contracting Officer issues a termination or other notice directing that the increase is solely to cover termination or other specified expenses.

(g) Change orders shall not be considered an authorization to exceed the estimated cost to the Government specified in the Task Order, unless they contain a statement increasing the estimated cost.

(h) If this contract is terminated or the estimated cost is not increased, the Government and the Contractor shall negotiate an equitable distribution of all property produced or purchased under the contract, based upon the share of costs incurred by each.

(End of clause)

52.232-22 (TAILORED)

52.232-22 Limitation of Funds (Apr 1 1984)

(a) The parties estimate that performance of this contract will not cost the Government more than (1) the estimated cost specified in the Task Order or, (2) if this is a cost-sharing contract, the Government's share of the estimated cost specified in the Task Order. The Contractor agrees to use its best efforts to perform the work specified in the Task Order and all obligations under this contract within the estimated cost, which, if this is a cost-sharing contract, includes both the Government's and the Contractor's share of the cost.

(b) The Task Order specifies the amount presently available for payment by the Government and allotted to this contract, the items covered, the Government's share of the cost if this is a cost-sharing contract, and the period of performance it is estimated the allotted amount will cover. The parties contemplate that the Government will allot additional funds incrementally to the contract up to the full estimated cost to the Government specified in the Task Order, exclusive of any fee. The Contractor agrees to perform, or have performed, work on the contract up to the point at which the total amount paid and payable by the Government under the contract approximates but does not exceed the total amount actually allotted by the Government to the contract.

(c) The Contractor shall notify the Contracting Officer in writing whenever it has reason to believe that the costs it expects to incur under this contract in the next 30 days, when added to all costs previously incurred, will exceed 85 percent of (1) the total amount so far allotted to the contract by the Government or, (2) if this is a cost-sharing contract, the amount then allotted to the contract by the Government plus the Contractor's corresponding share. The notice shall state the estimated amount of additional funds required to continue performance for the period specified in the Task Order.

(d) Thirty days before the end of the period specified in the Task Order, the Contractor shall notify the Contracting Officer in writing of the estimated amount of additional funds, if any, required to continue timely performance under the contract or for any further period specified in the Task Order or otherwise agreed upon, and when the funds will be required.

(e) If, after notification, additional funds are not allotted by the end of the period specified in the Task Order or another agreed-upon date, upon the Contractor's written request the Contracting Officer will terminate this contract on that date in accordance with the provisions of the Termination clause of this contract. If the Contractor estimates that the funds available will allow it to continue to discharge its obligations beyond that date, it may specify a later date in its request, and the Contracting Officer may terminate this contract on that later date.

(f) Except as required by other provisions of this contract, specifically citing and stated to be an exception to this clause—

(1) The Government is not obligated to reimburse the Contractor for costs incurred in excess of the total amount allotted by the Government to this contract; and

(2) The Contractor is not obligated to continue performance under this contract (including actions under the Termination clause of this contract) or otherwise incur costs in excess of—

(i) The amount then allotted to the contract by the Government or;

(ii) If this is a cost-sharing contract, the amount then allotted by the Government to the contract plus the Contractor's corresponding share, until the Contracting Officer notifies the Contractor in writing that the amount allotted by the Government has been increased and specifies an increased amount, which shall then constitute the total amount allotted by the Government to this contract.

(g) The estimated cost shall be increased to the extent that (1) the amount allotted by the Government or, (2) if this is a cost-sharing contract, the amount then allotted by the Government to the contract plus the Contractor's corresponding share, exceeds the estimated cost specified in the Task Order. If this is a cost-sharing contract, the increase shall be allocated in accordance with the formula specified in the Task Order.

(h) No notice, communication, or representation in any form other than that specified in paragraph (f)(2) of this clause, or from any person other than the Contracting Officer, shall affect the amount allotted by the Government to this contract. In the absence of the specified notice, the Government is not obligated to reimburse the Contractor for any costs in excess of the total amount allotted by the Government to this contract, whether incurred during the course of the contract or as a result of termination.

(i) When and to the extent that the amount allotted by the Government to the contract is increased, any costs the Contractor incurs before the increase that are in excess of—

(1) The amount previously allotted by the Government or;

(2) If this is a cost-sharing contract, the amount previously allotted by the Government to the contract plus the Contractor's corresponding share, shall be allowable to the same extent as if incurred afterward, unless the Contracting Officer issues a termination or other notice and directs that the increase is solely to cover termination or other specified expenses.

(j) Change orders shall not be considered an authorization to exceed the amount allotted by the Government specified in the Task Order, unless they contain a statement increasing the amount allotted.

(k) Nothing in this clause shall affect the right of the Government to terminate this contract. If this contract is terminated, the Government and the Contractor shall negotiate an equitable distribution of all property produced or purchased under the contract, based upon the share of costs incurred by each.

(l) If the Government does not allot sufficient funds to allow completion of the work, the Contractor is entitled to a percentage of the fee specified in the Task Order equalling the percentage of completion of the work contemplated by this contract.

(End of clause)

Section J - List of Documents, Exhibits and Other Attachments

Exhibit/Attachment Table of Contents

DOCUMENT TYPE	DESCRIPTION	PAGES	DATE
Exhibit A	A - MDA CDRLs Rev 3	52	25-SEP-2018
Exhibit B	B - IRES CDRLs Rev 1	133	24-OCT-2017
Attachment 01	J-01 - SOO Rev 1	35	03-AUG-2018
Attachment 02	J-02 - CSDR Plan Rev 1	10	20-AUG-2018
Attachment 03	J-03 - Labor Category Descriptions	21	10-MAY-2016
Attachment 04	J-04 - DD254 Rev 1	17	12-JAN-2018
Attachment 05	J-05 - GFP List (5 Spreadsheets)	1	19-JUL-2018
Attachment 06	J-06 - PEIP Rev 2	36	11-JUL-2018
Attachment 07	J-07 - Compliance Documents List	5	10-MAY-2016
Attachment 08	J-08 - Labor & ODC Burden Rates Rev 1	1	16-JAN-2018
Attachment 09	J-09 - Fee Structure	1	24-JAN-2017
Attachment 10	J-10 - Contractor Plans Rev 1	157	27-AUG-2018
Attachment 11	J-11 - Assertion of Restrictions	1	24-JAN-2017

<b>ORDER FOR SUPPLIES OR SERVICES</b>										PAGE 1 OF 16			
1. CONTRACT/PURCH. ORDER/ AGREEMENT NO. HQ079617D0001			2. DELIVERY ORDER/ CALL NO. HQ079617F8001P00010		3. DATE OF ORDER/ CALL (YYYYMMDD) 2017 Aug 09		4. REQ. / PURCH. REQUEST NO. See Schedule			5. PRIORITY DX-C9			
6. ISSUED BY MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300				CODE HQ0796		7. ADMINISTERED BY (if other than 6) DCMA HUNTSVILLE 1040 RESEARCH BLVD SUITE 100 MADISON AL 35758-2040				CODE S0107A			
										8. DELIVERY FOB <input checked="" type="checkbox"/> DESTINATION <input type="checkbox"/> OTHER  (See Schedule if other)			
9. CONTRACTOR JACOBS TECHNOLOGY INC. 550 WILLIAM NORTHERN BLVD. TULSA OK 74114-4727				CODE 7EBK3		FACILITY 7EBK3		10. DELIVER TO FOB POINT BY (Date) (YYYYMMDD) <b>SEE SCHEDULE</b>		11. MARK IF BUSINESS IS <input type="checkbox"/> SMALL <input type="checkbox"/> SMALL DISADVANTAGED <input type="checkbox"/> WOMEN-OWNED			
12. DISCOUNT TERMS										13. MAIL INVOICES TO THE ADDRESS IN BLOCK Contract Sec G, 252.232-7006			
14. SHIP TO MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300				CODE HQ0796		15. PAYMENT WILL BE MADE BY DFAS COLUMBUS CENTER SOUTH ENTITLEMENT OPERATIONS P.O. BOX 182264 COLUMBUS OH 43218-2264				MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2.			
16. TYPE OF ORDER		DELIVERY/ CALL		<input checked="" type="checkbox"/>		This delivery order/call is issued on another Government agency or in accordance with and subject to terms and conditions of above numbered contract.							
		PURCHASE		<input type="checkbox"/>		Reference your quote dated _____ Furnish the following on terms specified herein. REF: _____							
ACCEPTANCE. THE CONTRACTOR HEREBY ACCEPTS THE OFFER REPRESENTED BY THE NUMBERED PURCHASE ORDER AS IT MAY PREVIOUSLY HAVE BEEN OR IS NOW MODIFIED, SUBJECT TO ALL OF THE TERMS AND CONDITIONS SET FORTH, AND AGREES TO PERFORM THE SAME.													
NAME OF CONTRACTOR				SIGNATURE				TYPED NAME AND TITLE				DATE SIGNED (YYYYMMDD)	
<input type="checkbox"/> If this box is marked, supplier must sign Acceptance and return the following number of copies: _____													
17. ACCOUNTING AND APPROPRIATION DATA/ LOCAL USE  See Schedule													
18. ITEM NO.		19. SCHEDULE OF SUPPLIES/ SERVICES				20. QUANTITY ORDERED/ ACCEPTED*		21. UNIT		22. UNIT PRICE		23. AMOUNT	
		SEE SCHEDULE											
* If quantity accepted by the Government is same as quantity ordered, indicate by X. If different, enter actual quantity accepted below quantity ordered and encircle.						24. UNITED STATES OF AMERICA TELEPHONE NO. (b)(6) FAX NO. (b)(6) E-MAIL ADDRESS (b)(6)		25. TOTAL \$4,883,004.00 EST		26. DIFFERENCES			
27a. QUANTITY IN COLUMN 20 HAS BEEN <input type="checkbox"/> INSPECTED <input type="checkbox"/> RECEIVED <input type="checkbox"/> ACCEPTED, AND CONFORMS TO THE CONTRACT EXCEPT AS NOTED													
b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE						c. DATE (YYYYMMDD)		d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE					
e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE						28. SHIP NO.		29. DO VOUCHER NO.		30. INITIALS			
f. TELEPHONE NUMBER				g. E-MAIL ADDRESS				<input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL		32. PAID BY		33. AMOUNT VERIFIED CORRECT FOR	
36. I certify this account is correct and proper for payment.													
a. DATE (YYYYMMDD)		b. SIGNATURE AND TITLE OF CERTIFYING OFFICER											
						31. PAYMENT <input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL				34. CHECK NUMBER		35. BILL OF LADING NO.	
37. RECEIVED AT		38. RECEIVED BY		39. DATE RECEIVED (YYYYMMDD)		40. TOTAL CONTAINERS		41. SR ACCOUNT NO.		42. SR VOUCHER NO.			

Section B - Supplies or Services and Prices

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001	Transition Services / Solution FPI The contractor shall provide all services / solutions identified in the Transition Statement of Objectives (SOO) and Contractor Performance Work Statement (CPWS) at Attachment 1 of this task order. All share ratios are identified as follows: Government/Contractor. The share ratios are subject to revision in accordance with the IRES Performance Evaluation and Incentive Plan (Contract Attachment J-06). FOB: Destination PURCHASE REQUEST NUMBER: HQ0147758581	(b)(4)			(b)(4)
				TARGET COST	(b)(4)
				TARGET PROFIT	
				TOTAL TARGET PRICE	
				CEILING PRICE	
				SHARE RATIO ABOVE TARGET	
				SHARE RATIO BELOW TARGET	

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	AMOUNT
0001 01	Incremental Funding  ACRN AA  PURCHASE REQUEST NUMBER: HQ0147758581	(b)(4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
0001 02	Incremental Funding	
	ACRN AC	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147758581	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
0001 03	Incremental Funding	
	ACRN AD	(b)(4)
	PURCHASE REQUEST NUMBER: HQ01 47861 443	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
0001 04	Funding PWS 10.6 Early Procurement Capab	
	ACRN AE	(b)(4)
	PURCHASE REQUEST NUMBER: HQ01 4786191 4	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
0001 05	Funding PWS 10.7, 10.9, and 10.10	
	ACRN AF	(b)(4)
	PURCHASE REQUEST NUMBER: HQ01 47861832	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000106	Funding PWS 10.8 MCC	
	ACRN AG	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147861943	

ITEM NO	SUPPLIES/SERVICES	QUANTITY X UNIT	UNIT PRICE	AMOUNT
0002	Expensed CAP IT Hardware COST Expensed contractor-acquired property (CAP) line items were created as an accounting mechanism designed to provide MDA better visibility and linkage of budget, obligation and expenditure data on hardware, software, and facilities-relate equipment CAP. Given the need for this level of visibility / linkage, as well as the need to include these costs as an integral component of the cost and performance incentive, the estimated cost associated with this line item will be added to the target cost of Services / Solutions line item 0001 for the purpose of administering the incentive. The target profit / fee associated with this line item is included in the target profit / fee of Services / Solutions <u>line item 0001</u> for the purpose of administering the incentive. The ceiling price (b)(4) of estimated cost) associated with this line item is included in the ceiling price of Services / Solutions line item 0001 for the purpose of administering the incentive. NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent. FOB: Destination PURCHASE REQUEST NUMBER: HQ0147758581	(b)(4)		(b)(4)
			ESTIMATED COST	(b)(4)

FSC CD: 7025

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000201	Funding	
	ACRN AB	(b)(4)
	PURCHASE REQUEST NUMBER: HQ01 47758581	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0003	Expensed CAP IT Software COST Expensed contractor-acquired property (CAP) line items were created as an accounting mechanism designed to provide MDA better visibility and linkage of budget, obligation and expenditure data on hardware, software, and facilities-relate equipment CAP. Given the need for this level of visibility/ linkage, as well as the need to include these costs as an integral component of the cost and performance incentive, the estimated cost associated with this line item will be added to the target cost of Services / Solutions line item 0001 for the purpose of administering the incentive. The target profit / fee associated with this line item is included in the target profit / fee of Services / Solutions line item 0001 for the purpose of administering the incentive. The ceiling price (b)(4) of estimated cost) associated with this line item is included in the ceiling price of Services / Solutions line item 0001 for the purpose of administering the incentive. NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent. FOB: Destination PURCHASE REQUEST NUMBER: HQ0147758581	(b)(4)			(b)(4)
				ESTIMATED COST	(b)(4)

FSC CD: 7030

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000301	Funding	
	ACRN AB	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147758581	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0090		1	Lot		NSP

Data  
FFP

The contractor shall deliver all data identified in the contract data requirements lists (CDRL) attached to this task order.

Reference Section G of the basic contract. At the end of the task order period of performance, the contractor shall submit one Invoicing, Receipt, Acceptance, and Property Transfer (iRAPT) receiving report for all data previously delivered.

FOB: Destination

PURCHASE REQUEST NUMBER: HQ0147758581

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NET AMT

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0091		1	Lot		NSP

Expensed CAP/Property Delivery  
FFP

Delivery of expensed CAP/property as required by the IRES Government Property Management task order.

NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.

FOB: Destination

PURCHASE REQUEST NUMBER: HQ0147758581

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NET AMT

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0101		(b)(4)			(b)(4)

Expensed CAP: IT HW/Equip EP--R&D  
COST

Early procurement (EP) of expensed contractor-acquired property (CAP)—specifically non-IT equipment (equip)—anticipated in performance work statement requirement 10.6 and funded with a research and development (R&D) appropriation. CAP is defined in FAR 52.245-1. IT HW/Equip is a subset of equipment as defined in DoDI 5000.64.

This contract line item number (CLIN) is not included in the cost or performance incentives associated with any other task order CLIN.

NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.  
FOB: Destination

ESTIMATED COST

(b)(4)

FSC CD: 7025

ITEM NO	SUPPLIES/SERVICES	AMOUNT
010101	Funding	
	ACRN AH	(b)(4)
PURCHASE REQUEST NUMBER: HQ0147862134		

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
01 03	Expensed CAP: Non-IT Equip EP - R&D COST Early procurement (EP) of expensed contractor-acquired property (CAP)—specifically non-IT equipment (equip)—anticipated in performance work statement requirement 10.6 and funded with a research and development (R&D) appropriation. CAP is defined in FAR 52.245-1. Non-IT Equipment is all equipment as defined in DoDI 5000.64, except IT hardware/equipment.  This contract line item number (CLIN) is not included in the cost or performance incentives associated with any other task order CLIN.  NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent. FOB: Destination PURCHASE REQUEST NUMBER: HQ0147861914-0006	(b)(4)			(b)(4)
				ESTIMATED COST	(b)(4)

FSC CD: 4940

ITEM NO	SUPPLIES/SERVICES	AMOUNT
01 0301	Funding CLIN 01 03  ACRN AJ  PURCHASE REQUEST NUMBER: HQ0147861914-0005	(b)(4)
01 0302	Funding CLIN 01 03 EP03  ACRN AH  PURCHASE REQUEST NUMBER: HQ0147862134-0001	(b)(4)

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0104	Expensed CAP: Materials EP - R&D COST Early procurement (EP) of expensed contractor-acquired property (CAP), specifically material items, anticipated in Performance Work Statement requirement 10.6 and funded with an R&D appropriation. CAP and material are defined in FAR 52.245-1.  This CLIN is not included in the cost or performance incentives associated with any other task order CLIN. NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent. FOB: Destination	(b)(4)			(b)(4)
				ESTIMATED COST	(b)(4)

FSC CD: 5975

ITEM NO	SUPPLIES/SERVICES	AMOUNT
010401	Funding CLIN 0104 EP03  ACRN AK  PURCHASE REQUEST NUMBER: HQ0147862134-0001	(b)(4)

Section E - Inspection and Acceptance

INSPECTION AND ACCEPTANCE TERMS

Supplies/services will be inspected/accepted at:

CLIN	INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
0001	Origin	Government	Destination	Government
000101	N/A	N/A	N/A	N/A
000102	N/A	N/A	N/A	N/A
000103	N/A	N/A	N/A	N/A
000104	N/A	N/A	N/A	N/A
000105	N/A	N/A	N/A	N/A
000106	N/A	N/A	N/A	N/A
0002	Origin	Government	Destination	Government
000201	N/A	N/A	N/A	N/A
0003	Origin	Government	Destination	Government
000301	N/A	N/A	N/A	N/A
0090	Origin	Government	Destination	Government
0091	Origin	Government	Destination	Government
0101	Origin	Government	Destination	Government
010101	N/A	N/A	N/A	N/A
0103	Origin	Government	Destination	Government
010301	N/A	N/A	N/A	N/A
010302	N/A	N/A	N/A	N/A
0104	Origin	Government	Destination	Government
010401	N/A	N/A	N/A	N/A

Section F - Deliveries or Performance

DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	DODAAC / CAGE
0001	POP 05-SEP-2017 TO 27-JUL-2018	N/A	MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 FOB: Destination	HQ0796
0001 01	N/A	N/A	N/A	N/A
0001 02	N/A	N/A	N/A	N/A
0001 03	N/A	N/A	N/A	N/A
0001 04	N/A	N/A	N/A	N/A
0001 05	N/A	N/A	N/A	N/A
0001 06	N/A	N/A	N/A	N/A
0002	27-JUL-2018	6	MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 FOB: Destination	HQ0796
0002 01	N/A	N/A	N/A	N/A
0003	27-JUL-2018	6	MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 FOB: Destination	HQ0796
0003 01	N/A	N/A	N/A	N/A
0090	POP 05-SEP-2017 TO 27-JUL-2018	N/A	MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 FOB: Destination	HQ0796

0091	POP 05-SEP-2017 TO 27-JUL-2018	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796
0101	27-JUL-2018	1	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796
010101	N/A	N/A	N/A	N/A
0103	30-JUN-2018	1	MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 FOB: Destination	HQ0796
010301	N/A	N/A	N/A	N/A
010302	N/A	N/A	N/A	N/A
0104	30-JUN-2018	1	MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 FOB: Destination	HQ0796
010401	N/A	N/A	N/A	N/A

Section G - Contract Administration Data

PAYMENT INSTRUCTIONS

Payments for contract line item number (CLIN) 0001 will be made on partial deliveries accepted by the Government on a monthly basis in accordance with FAR 52.232-1, Payments. Payments for CLINs 0002 and 0003 will be made in accordance with FAR 52.216-7, Allowable Cost and Payment. Payments and the total final price are subject to adjustments in accordance with FAR 52.216-16, Incentive Price Revision – Firm Target, and performance assessments conducted in accordance with the IRES Performance Evaluation and Incentive Plan (Attachment J-06).

Payments for CLINs 0101, 0103, and 0104 will be made in accordance with FAR 52.216-7, Allowable Cost and Payment.

Contractor invoices/ vouchers shall be consistent with line item specific ACRN order identified in Section G of this task order.

Pursuant to FAR 31.205-32, the contractor is authorized to bill for precontract costs associated with the task order from 9 Aug 2017 – 4 Sep 2017.

WAWF email notifications. In accordance with 252.232-7006, the Contractor shall enter the following email addresses in the "Send Additional Email Notifications" field of WAWF once a document is submitted in the system:  
 CLIN 009 (b)(6)@mda.mil (b)(6)@mda.mil

ACCOUNTING AND APPROPRIATION DATA

AA: 044411 097 0400 000 N 20172018 D 2520 XL_SD22P_FY17 AMOUNT: (b)(4)	IC-S1-FY1718	71IC	255
AB: 044411 097 0400 000 N 20172018 D 2520 XL_SD22P_FY17 AMOUNT: (b)(4)	IC-I1-FY1718	71IC	310
AC: 044411 097 0400 000 N 20172018 D 2520 XL_SD22P_FY17 AMOUNT: (b)(4)	IC-II-FY1718	71IC	255
AD: 044411 097 0400 000 N 20182019 D 2520 XK_ST03P_FY18 AMOUNT: (b)(4)	DT-X2-FY1819	71DT	255
AE: 044411 097 0400 000 N 20182019 D 2520 XL_SD22P_FY18 AMOUNT: (b)(4)	IC-F102-FY1819	71IC	255
AF: 044411 097 0400 000 N 20182019 D 2520 Z4_SD30P_FY18 AMOUNT: (b)(4)	IT-211A-FY1819	71IC	255
AG: 044411 097 0400 000 N 20182019 D 2520 S3_ST08P_FY18 AMOUNT: (b)(4)	GM-GFT11-FY1819	71GM	255
AH: 044411 097 0400 000 N 20182019 D 2520 S3_ST08P_FY18 AMOUNT: (b)(4)	GM-GFT11-FY1819	71GM	310
AJ: 044411 097 0400 000 N 20182019 D 2520 XL_SD22P_FY18 AMOUNT: (b)(4)	IC-F102-FY1819	71IC	310
AK: 044411 097 0400 000 N 20182019 D 2520 S3_ST08P_FY18 AMOUNT: (b)(4)	GM-GFT11-FY1819	71GM	260
ACRN	CLIN/SLIN	CIN	AMOUNT

AA	000101	HQ0147758581000101
AB	000201	HQ0147758581000201
	000301	HQ0147758581000301
AC	000102	HQ0147758581000102
AD	000103	HQ01478614430001
AE	000104	HQ01478619140001
AF	000105	HQ01478618320001
AG	000106	HQ01478619430001
AH	010101	HQ01478621340101
	010302	HQ01478621340103
AJ	010301	HQ01478619140002
AK	010401	HQ01478621340104

(b)(4)

#### CLAUSES INCORPORATED BY REFERENCE

52.232-20

Limitation Of Cost

APR 1984

#### CLAUSES INCORPORATED BY FULL TEXT

252.204-0003 LINE ITEM SPECIFIC CONTRACTING OFFICER SPECIFIED ACRN ORDER. (SEP 2009)

The payment office shall make payment within the line item in the sequence ACRN order specified below, exhausting all funds in the previous ACRN before paying from the next ACRN.

CLIN 0001 (FPI): AA, AC, AD, AG, AF, AE  
CLIN 0002 (Cost): AB  
CLIN 0003 (Cost): AB  
CLIN 0101 (Cost): AH  
CLIN 0103 (Cost): AJ, AH  
CLIN 0104 (Cost): AK

(End of clause)

Section I - Contract Clauses

CLAUSES INCORPORATED BY REFERENCE

252.21 1-7003      Item Unique Identification and Valuation

MAR 2016

Section J - List of Documents, Exhibits and Other Attachments

Exhibit/Attachment Table of Contents

DOCUMENT TYPE	DESCRIPTION	PAGES	DATE
Attachment 1	17F8001-10 PWS Rev 8	40	12-JUL-2018

Contract: HQ079617D0001

Order: HQ079617F8001



# IRES

## Integrated Research & Development for Enterprise Solutions

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Order Number: HQ079617F8001

# IRES Transition Performance Work Statement Revision 8

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Period of Performance: September 5, 2017 – July 27, 2018

- The delivery date for PWS Task 10.6, Enclosure 1, contract line item numbers (CLINs) 0103 and 0104 is June 30, 2018. The period of performance (PoP) end date/delivery date for CLINs 0091 and 0101 is July 27, 2018.
- The PoP end date for CDRL C002 and the ITP activities associated with award of task order HQ079618F4100 (CLIN 0001) is March 30, 2018.
- The PoP end date for PWS Task 10.2.2 Jacobs Enterprise Management System (JEMS), full operational capability (FOC) is July 27, 2018.
- The PoP end date for all other PWS requirements is March 4, 2018.

Contract: HQ079617D0001

Order: HQ079617F8001

## ***Change History***

<b>Version</b>	<b>Date</b>	<b>Mod #</b>	<b>Changes</b>
Original	Jun 20, 2016	RFP	
Rev 1	Aug 3, 2017	Award	<ul style="list-style-type: none"><li>• Removed content prior to the cover page.</li><li>• Added period of performance to the cover page.</li><li>• Added Change History chart.</li><li>• Added CLIN Structure chart.</li><li>• Appended Contractor's Performance Work Statement (CPWS) and Service Summary Items.</li></ul>
Rev 2	Nov 3, 2017	P00002	<ul style="list-style-type: none"><li>• Merged the RFP SOO with the CPWS to develop the PWS for consistency with the other IRES task orders; this results in no substantive CPWS content changes<ul style="list-style-type: none"><li>◦ SOO Section 5.0 deleted; sections following Section 5.0 renumbered.</li><li>◦ CPWS Sections 1.0, 2.0, 3.0 and 4.0 deleted. CPWS Section 5.0 moved to PWS Section 10.0; all paragraphs renumbered. All references to the SOO deleted. All references to Jacobs Team SE&amp;PI Objectives deleted.</li><li>◦ SOO Section 4.0 (SSIs) merged with CPWS Section 7.0 (SSIs) into PWS Section 4.0.</li><li>◦ SOO Section 6.0 (CDRLs) merged with CPWS Section 6.0 (CDRLs) into PWS Section 6.0.</li></ul></li><li>• Added CLINs 0101, 0102, 0103, and 0104 to CLIN Structure Table.</li><li>• Revised PWS Section 10.0 to include:<ul style="list-style-type: none"><li>• 10.6 – Early Procurement Capability</li><li>• 10.7 – CCRI Observation</li><li>• 10.8 – MCC Infrastructure Project Detailed Design Review and Finalization</li><li>• 10.9 – Data Analytics Capability Assessment</li><li>• 10.10 – Sustainment Engineering Process Participation</li></ul></li><li>• CDRL 0001 revised; only formats 1 and 5 are required.</li></ul>
Rev 3	Dec 6, 2017	P00005	<ul style="list-style-type: none"><li>• Cover page: Add the last date for delivery of Task 10.6 early procurements.</li><li>• CLIN Structure table: Update the titles and contract type of CLIN 0101, 0102, 0103, and 0104.</li><li>• Enclosure 1A: Add Procurement List # EP01, IRES18F8600-01 MCC Phase III Upgrade.</li></ul>

Contract: HQ079617D0001

Order: HQ079617F8001

Version	Date	Mod #	Changes
Rev 4	Dec 19, 2017	P00006	<ul style="list-style-type: none"><li>• Cover page: Updated the delivery information for Task 10.6 early procurements.</li><li>• CLIN Structure table: Updated the CLIN 0103 information.</li><li>• Enclosure 1A: Added Procurement List# EP02, IRES18F8600-02 MAN Site Buildout.</li></ul>
Rev 5	Dec 27, 2017	P00007	<ul style="list-style-type: none"><li>• Cover page: Updated the delivery information for Task 10.6 early procurements.</li><li>• CLIN Structure table: Updated the CLIN 0104 information.</li><li>• Enclosure 1A: Added Procurement List # EP03, IRES18F8600-03 3400 MCC Upgrade.</li></ul>
Rev 6	Feb 14, 2018	P00008	<ul style="list-style-type: none"><li>• No-cost extension of the PoP end date for CDRL C002 and the ITP activities associated with award of task order HQ079618F4100 (CLIN 0001) from Mar 4, 2018 to Mar 30, 2018.</li><li>• Correct the overall task order PoP end date from Mar 4, 2018 to Jun 30, 2018, consistent with the delivery dates associated with PWS Task 10.6 Enclosure 1.</li></ul>
Rev 7	May 30, 2018	P00009	<ul style="list-style-type: none"><li>• No-cost extension of the PoP/delivery date for PWS Task 10.6 Enclosure 1A (CLINs 0091and 0101) from Jun 30, 2018 to Jul 27, 2018.</li></ul>
Rev 8	Jul 12, 2018	P00010	<ul style="list-style-type: none"><li>• No-cost extension of the PoP end date for PWS Task 10.2.2 (CLIN 0001) from Mar 30, 2018 to Jul 27, 2018</li></ul>

Contract: HQ079617D0001

Order: HQ079617F8001

### ***CLIN Structure***

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<b>CLIN</b>	<b>Supplies / Services</b>	<b>Type</b>
0001	Services / Solutions	FPI
0002	Expensed CAP IT Hardware	Cost
0003	Expensed CAP IT Software	Cost
0090	Data	NSP
0091	CAP Delivery / CDRL	NSP
0101	Expensed CAP: IT HW/Equip EP-R&D	Cost
0102	Expensed CAP: COTS IUS EP-R&D (no actions to date)	Cost
0103	Expensed CAP: Non-IT Equip EP-R&D	Cost
0104	Expensed CAP: Materials EP-R&D	Cost

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## ***HQ079617F8001: Transition Task Order***

### **1.0 Vision and Purpose Statement**

#### **1.1 Vision**

Execute a streamlined, transparent and seamless transition from the current Joint National Integration Center (JNIC) Research and Development Contract (JRDC) to the Integrated Research and Development for Enterprise Solutions (IRES) contract while ensuring uninterrupted Concurrent, Test, Training, and Operations (CTTO).

#### **1.2 Purpose**

This SOO provides the objectives for the seamless transition of program assets, responsibilities, and services.

### **2.0 Background**

The JRDC has 20 to 25 task orders that will transition to IRES (as shown in Exhibit 1). Some task orders may merge, or transform, for execution under IRES. Exhibit 2 provides the schedule for proposing and negotiating the IRES task orders. The start date [effective date] of all task orders (other than the Transition TO) will be 00:01 January 5, 2018.

#### ***Exhibit 1. Legacy JRDC Task Orders that will Transition in whole or in part to IRES during the Transition Window.***

*Please note that this list of task orders may evolve, merge, or evaporate; the list provided here is current as of publishing of the document.*

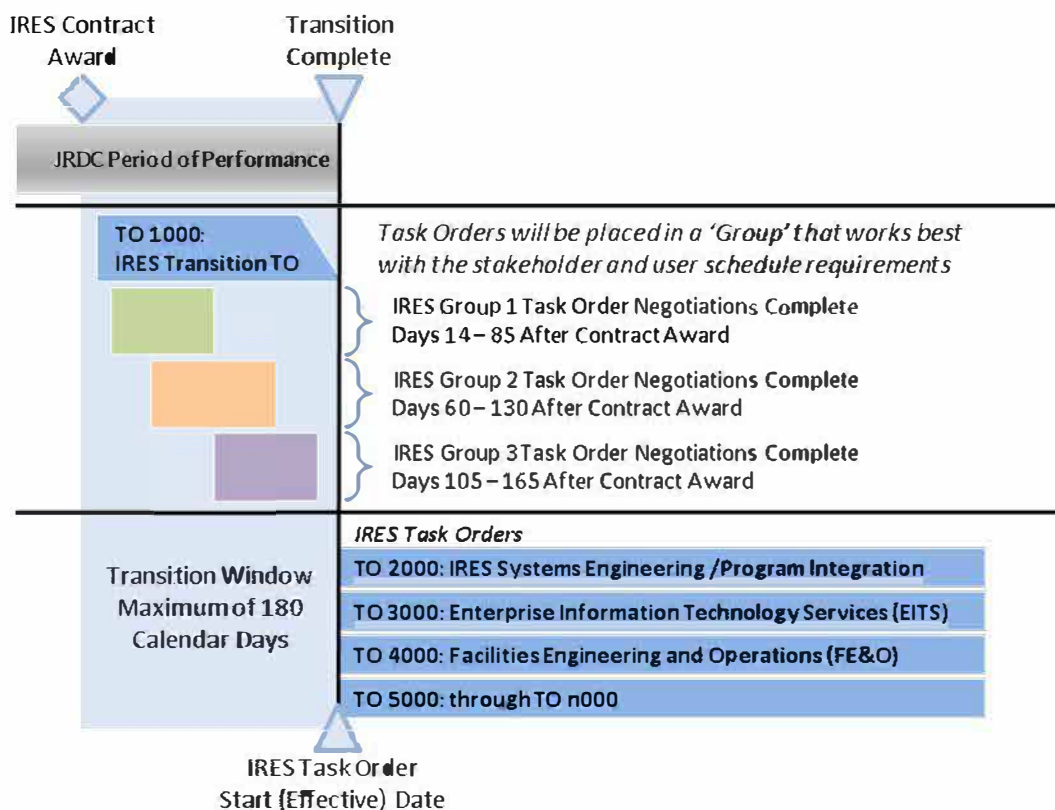
<b>JRDC TO #</b>	<b>Title</b>	<b>Transition Group</b>
7304	BMDS Network Operations & Security Center (BNOSC)	TBD
7402	MDA IT Services & Logistics	TBD
8001	Program Execution & Systems Engineering	TBD
8003	Facility Support	TBD
8006	MDIOC Infrastructure Support Projects	TBD
8200	MDSC Operations and Maintenance	TBD
8402	MDA IT Services & Logistics	TBD
8703	BMDS Test Resources	TBD
8800	GMD Operations and Training	TBD
9300	BMDS-C2BMC	TBD
9604	Wargames and Experiments	TBD
9606	COCOM Exercises	TBD
9607	Wartighter Strategic Integration	TBD
9608	Nimble Titan 2016	TBD

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JRDC TO #	Title	Transition Group
9700	Test Operations: Ballistic Missile Defense System Flight and System Ground Test Operations	TBD
9703	BMDS Test Resources	TBD
9906	Engineering and Maintenance for JFCC IMD	TBD

**Exhibit 2. Transition Schedule**



### 3.0 Scope

This SOO encompasses all transition activities (contract award and through the end of the transition window) necessary to transfer all capabilities, responsibilities, and services to the new contract. The incumbent contractor is responsible for mission accomplishment during the transition window with the IRES contractor being responsible to assume 100% of mission accomplishment the day immediately following the transition window.

The IRES contractor will not assume property accountability responsibility until conduct of the contractor's inventory of existing government property. The inventory will not be conducted under the transition task order; the inventory will be conducted under the Property Management and Accountability task order. Upon accomplishment of the inventory, government property will be transferred to the contractor as government furnished property (GFP). The contractor will

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assume property management and accountability of approximately 100,000 items under the Property Management and Accountability task order.

#### **4.0 Service Summary Items**

In accordance with the IRES Performance Evaluation and Incentive Plan, Service Summary Items (SSIs) 1 through 4 are common [required] on all task orders and will be assessed at the contract level (i.e., all task orders will receive the same rating – one fail all fail model).

SSI 5 (through *n*) [Technical Performance] captures the specific task order Service Summary Items deemed essential to successful execution of the task order (note: The Technical Performance SSIs are to be developed / defined using the performance measures proposed by the contractor). Exhibit 3 defines the SSIs applicable to this task order.

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Order: HQ079617F8001

***Exhibit 3. SSIs and Weights Applicable to This Task Order***

SSI #	Title	Description	Performance Threshold UNACCEPABLE	Performance Threshold ACCEPTABLE	Performance Threshold OBJECTIVE	Weight	Assessment Method
SSI 1	(b)(4)						
SSI2							
SSI3							
SSI4							
SSI5							

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Order: HQ079617F8001

SSI #	Title	Description	Performance Threshold UNACCEPABLE	Performance Threshold ACCEPTABLE	Performance Threshold OBJECTIVE	Weight	Assessment Method
SSI6	(b)(4)						
SSI7							
SSI8							

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## 5.0 Deliverables

The point of delivery for all CDRL products, except as noted in Exhibit C, is the MDA E-CaRT system. The Contractor shall deliver all such products by saving and profiling them in E-CaRT, with the appropriate notification of delivery letter transmitted electronically to the Government's Data Management Office. Reference Exhibit C for specific CDRL delivery instructions.

### 5.1 CDRL Identification

Task	CDRL	DID	Title	Description
10.3	C001	DI-MGMT-81861/T	TO HQ0796-17-F-8001 - Integrated Program Management Report (IPMR) - Reduced EVM	The IPMR contains data for measuring cost and schedule performance. The IPMR is structured around seven formats that contain the content and relationships required for the electronic submissions.
10.3	C002	DI-MISC-80508B/T	Transition Task Order Lessons Learned	The document will capture the planned and actual execution schedule for the transition, and will identify lessons learned (both model performance and areas for improvement) for future acquisition transitions.

### 5.2 CDRL Tailoring

Reference Task Order HQ0796-17-F-8001 Exhibit C.

## 6.0 Milestones

Task	Activity	Days After Contract (DAC)
5.1.2.1	Initial Kick-off Meeting	2 DAC
5.1.2.3	Cost and Software Data Reporting (CSDR) Discussions	10 DAC
5.1.2.4	Progress Meetings	Weekly
5.2.2.2	Phase One Task Orders Finalized	85 DAC
5.2.2.2	Phase Two Task Orders Finalized	130 DAC
5.2.2.2	Phase Three Task Orders Finalized	165 DAC

Note: DAC = Task Order Period of Performance Start Date

## 7.0 Government Furnished Property (GFP)

GFP is not provided; but the contractor shall maximize use of government property (priority) and then contractor-acquired property when providing the solutions/capabilities.

## 8.0 Special Requirements

In addition to the Special Requirements identified in IRES Contract SOO, paragraph 7.0, the following are applicable to this task order:

- None

## 9.0 Applicable Directives / Regulations

In addition to the directives and regulations identified in RFP Attachment J-07, the following are applicable to this task order:

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Order: HQ079617F8001

- None

## 10.0 Performance Requirements

This CPWS establishes the support services the contractor will perform to include the specific requirements and standards of performance for this Fixed Price Incentive Firm TO. The CPWS requirements were developed in accordance with the Transition TO SOO outcomes, desired attributes, and constraints. Performance thresholds are designed to ensure delivery of the attributes MDA desires for its IRES contractor. The CPWS has been structured to include:

- An alignment of the contractor's success with the Government's mission success (e.g., contract transition without impact to CTTO)
- A definition of the work in terms of results (e.g., IRES Transition TO outcomes)
- A definition of appropriate measurable performance standards and a methodology for surveillance
- Identification of the deliverables and milestones associated with successful TO execution. Each CPWS paragraph references the required deliverables, initial delivery date, and frequency of delivery
- A mapping of performance thresholds by CPWS element to the contractor's proposed Service Summary Items (SSI)

Figure 3e-2 identifies the surveillance methodologies that will be used to indicate quality and completion of CPWS requirements. Each CPWS paragraph references the appropriate surveillance methodologies, as identified in Figure 3e-2. Note: Deliverables and CPWS Performance Measurement data are identified at the lowest level of the CPWS.

Figure 3e-2 Transition Surveillance Methodology		
ID	Surveillance Method	Surveillance Approach
A	Direct Observation	The Government and contractor's program-level leadership team shall periodically perform direct observation of transition activities based on frequency specified in the CPWS.
B	Progress Reviews	The contractor shall perform weekly progress reviews (Readiness Reviews) and IPMRS with the Government to validate delivery.
C	100% Inspection	100% inspection shall be performed on all CDRLs.

## 10.1 Transition Leadership and Management

The contractor shall perform all management functions required to ensure transition activities are accomplished with no interruption to MDIOC CTTO. The IRES contractor Program Manager (PM) shall have full authority over the IRES contract and shall be ultimately responsible for ensuring successful execution of work across the contract, including the Transition TO. The IRES contractor PM shall have the autonomy and authority to commit local and corporate resources, including personnel to deliver specialized expertise in the areas of Human Resources (HR), financial systems, security, property management, and the implementation of an enterprise management system during the execution of the IRES contract and the Transition TO. To ensure accomplishment of all IRES transition milestones, designated contractor personnel (local and corporate) shall be utilized to serve as work area and milestone leads.

In addition to the IRES contractor PM who has full authority over the IRES contract and the IRES Transition TO, the contractor shall provide a capable and experienced Transition Team.

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The contractor Transition Team shall include a Transition Manager. In addition to the Transition Manager, the contractor shall staff the Transition Team with a highly-qualified and committed key personnel team and corporate support personnel as needed. The contractor shall provide additional technical support using Subject Matter Experts (SME) as needed to mitigate schedule and/or technical risks. The contractor PM shall guide transition activities, and the Transition Team shall possess specialized expertise in critical areas (e.g., HR, DCAA/FAR compliance). The contractor shall assign work area and milestone leads to ensure adherence to the IRES transition schedule and accomplishment of transition milestones. The Transition Team shall ensure seamless coordination between the contractor team and Government personnel, as well as the incumbent JRDC contractor. The Transition Team shall promote proactive communication with MDA/MDIOC personnel regarding schedule progress, risks, and lessons learned throughout the transition process. The Transition Team shall review and assess MDIOC work requirements and challenges throughout the transition period.

#### **10.1.1 Establish Transition Expectations (Transition Milestone 1)**

Prior to contract start, the contractor shall ensure that all contract key personnel and/or Transition Team members understand the contractor's goals, schedule milestones, and objectives for achieving a successful transition. The contractor shall also ensure that all Transition Team members understand their individual responsibilities and have received appropriate contract and site-specific training to fulfill their role once mobilized. The contractor shall participate in a Contract Kick-Off Meeting with the MDA, to be conducted within two days of the Transition TO start date.

The contractor is responsible for handling the logistical arrangements for the Transition Team and shall ensure that the team is ready for deployment immediately at contract award.

To ensure a seamless work transition and to identify the most critical/high-risk ongoing activities, the contractor shall coordinate with the JRDC incumbent contractor and request access to incumbent contractor Phase-Out Plans, if such plans exist.

The contractor shall ensure that any necessary adjustments or refinements to the contractor's business systems are made in advance and ready for deployment and integration during the transition window. Also prior to award announcement, the contractor shall develop a transition web site. The transition web site shall serve as a primary means of communication with the incumbent workforce. The web site shall provide information about the contractor's team and plans for staffing the contract, answers to frequently asked questions, benefits information, face-to-face Town Hall Meeting dates and locations, a personal welcome from the contractor's PM, and a link to submit online employment applications. To reduce transition schedule risk and incumbent employee anxiety, the portion of the contractor's web site that introduces the company and team shall go live one month before the anticipated award date. The contractor shall ensure that the application submittal module of the contractor's web site will be activated soon after contract award. The contractor shall ensure that the web site and online applicant tracking systems have been tested and are suitable for high traffic volume with no complications. The contractor shall be responsible for the production of Human Resources materials to be distributed at Town Hall Meetings (a deliverable of CPWS 10.2.5).

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Deliverables		
Deliverable	Initial Delivery	Frequency
Contract Kick-off Meeting	2 DAC	N/A

CPWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
Contract Kick-off Meeting conducted within 2 days of TO start	A	N/A	4
Conduct coordination meeting with JRDC Contractor	A	N/A	5
CPWS Performance Measurement (concluded)			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
Transition web site and online application submittal module is tested and activated in accordance with transition schedule	A	Transition Web Site	5
Transition Schedule Milestone 0 completed	B	N/A	5
Transition Schedule Milestone 1 completed	B	N/A	5

### 10.1.2 Mobilize the Transition Team (Transition Milestone 2)

Just before the IRES contract award announcement, the contractor shall mobilize the Transition Team for an immediate move into the Transition Office at the MDIOC at the start of the Transition TO. The contractor shall coordinate with the Government to identify any needs for the Transition Office at the MDIOC beyond what is included by the Government. This includes office furniture, conference room space, internet access, access to a photocopier, and on-site computer usage for at least 18 people. The contractor shall make similar arrangements for office space at or near the Redstone Arsenal in Huntsville, AL.

The contractor shall identify a venue for conducting Town Hall Meetings, employee interviews, orientations, meetings, and other transition tasks. If the Government cannot accommodate a space on base or near the MDIOC, the contractor shall make suitable arrangements for a temporary commercial space large enough to meet its needs. These same arrangements shall apply for Redstone Arsenal in Huntsville, AL. The contractor shall be responsible for providing its own signage, displays, brochures, and other resources as required for these transition activities.

The contractor shall coordinate with the Defense Security Service (DSS) to satisfy facility clearance requirements.

Deliverables		
Deliverable	Initial Delivery	Frequency
None	N/A	N/A

CPWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
On-site Transition Office and Town Hall venues established	A	N/A	5
Full Transition Team is deployed	A	N/A	5

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Meeting with JRDC Contractor to get key interfaces established	A, B	N/A	5
Facility Security Clearance processed	A, B	N/A	5
Transition Schedule Milestone 2 completed	B	N/A	5

## 10.2 Disciplined Approach

The contractor shall deliver a disciplined approach to efficiently transition work scope performed on the JRDC to the IRES contract without interruption to the CTTO of the MDIOC.

### 10.2.1 Conduct Readiness Reviews (Transition Milestone 3)

To ensure effective and timely completion of all transition milestones, the contractor shall conduct weekly transition progress reviews (Readiness Reviews) with MDA leadership to objectively and critically review the status of each transition milestone. The contractor shall also participate in additional meetings as dictated by transition needs.

The contractor shall provide a transition schedule that details the milestones, activities, events, and deliverables that will occur during the execution of the IRES Transition TO. The contractor's transition schedule shall identify the personnel who will be responsible for ensuring the accomplishment of each Transition TO milestone. Each contractor-identified Milestone Owner shall have a detailed project plan that will roll up into the master transition schedule. During weekly Readiness Reviews, the contractor shall provide transition schedule updates and invite feedback from the MDA regarding the schedule. The contractor shall modify the schedule as needed to provide focus on MDA-identified critical activities. The contractor shall provide timely, accurate, and comprehensive information to all IRES stakeholders (especially the MDA and the JRDC incumbent employees).

A final Readiness Review will be conducted at the end of the Transition TO to verify that all transition tasks have been satisfactorily completed.

Without interruption to CTTO, the contractor shall deliver effective safety practices, including a safety-focused leadership team.

To ease workforce anxiety inherent during contract transition, the contractor shall ensure ongoing communication with the JRDC incumbent workforce. Immediately upon contract award, the contractor shall provide a transition web site (a deliverable of CPWS 10.1.1) that provides information on transition activities, including the hiring process and schedule. The contractor shall take advantage of current, protected social media platforms and Town Hall Meetings (a deliverable of CPWS 10.2.5) to further facilitate after-hours communication with the incumbent workforce.

Deliverables		
Deliverable	Initial Delivery	Frequency
Weekly Transition Progress Meetings	N/A	Weekly

CPWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #

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Weekly transition progress reviews (Readiness Reviews) conducted	B	N/A	3,4
Transition schedule updated and delivered	B	Transition Schedule	5
Transition web site updated regularly	A	Transition web site	5
Conduct Final Readiness Review with Government and Transition Schedule Milestone 3 completed	B	N/A	5

### 10.2.2 Implement Jacobs Enterprise Management System (Transition Milestone 4)

The contractor shall establish an autonomous IRES business unit (IRES Group) that complies with a DCAA-approved Disclosure Statement. The contractor shall request a meeting with the Contracting Officer (CO) and any CO-designated personnel to understand the most critical needs with respect to accounting/financial and business system practices. During this meeting, the contractor shall discuss alignment and tailoring of the contractor's proposed Work Breakdown Structure (WBS) mapping and cost reporting categories, as well as methods for distribution of any overhead to TOs. The contractor shall submit sample financial and cost Contractor Data Requirements List (CDRL) data for review and approval.

The contractor shall implement an Integrated Management Approach (IMA), using a common set of DCAA-accepted enterprise management tools and processes, and eliminating the need for corporate system interfaces between teammate companies for day-to-day work. The consolidated Jacobs Enterprise Management System (JEMS) shall enable contract-wide communication, management, and performance measurement and tracking; and shall include business, project, and knowledge management tools and processes. The contractor shall form a Business Systems Working Group that includes the contractor's Transition Team IT Systems Lead and Financial Systems Lead, as well as participation from MDA business systems personnel, IRES Enterprise Management Office (EMO) personnel, and other contractor experts to address critical enterprise management issues during the transition period. The Business Systems Working Group shall identify appropriate interface points between the MDA and JEMS system and provide a collaborative forum to facilitate the Government's involvement in tailoring and implementing JEMS for IRES. JEMS provides the reports, data submittals, and other information tailored to suit MDA requirements, and provides role-based web access and insight into contract activities, including performance metrics, safety, certifications, and training.

Within 10 days of the start of the Transition TO, the contractor shall participate in a Post-Award Conference with the MDA. During this meeting, the contractor, in coordination with the Business Systems Working Group, shall discuss details of the contractor's standard Cost and Software Data Reporting (CSDR) process to ensure it satisfies the guidelines of DoD 5000.04 M1 and the requirements in the Government-approved CSDR. The contractor shall ensure CSDR processes satisfy MDA requirements.

Upon contract award, the contractor shall initiate the Assessment and Authorization (A&A) process to obtain MDA CIO approval to host JEMS within MDA's infrastructure. While Full Operational Capability (FOC) of JEMS is not required for Day One of the Transition TO, the contractor shall ensure that the sub-component of JEMS required for creating TO estimates is available in time to support Group 1 TO negotiations. The contractor shall provide JEMS with Initial Operation Capability (IOC) in accordance with the JEMS Task Table below. The contractor shall grant MDA officials role-based access to JEMS through the JEMS Portal and

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provide JEMS training as described in the JEMS Task Table below. To mitigate any delays in receiving the MDA CIO approval to host JEMS on the MDA network, the contractor shall establish JEMS business systems remotely, offering necessary capability to perform business functions. The contractor shall adjust JEMS implementation to incorporate current MDA guidance to host JEMS within the contractor corporate systems as described in IRES JEMS Proposal Excerpts and Data Types, DA-18F8002-00073 dated 11 Apr 18.

The contractor shall implement capability as identified within the JEMS Task Table below. The capability shall represent the Phase 1 implementation as described in the IRES JEMS Proposal Excerpts and Data Types, DA-18F8002-00073 dated 11 Apr 18. The completion of the tasks identified below shall represent JEMS Phase 1 FOC.

J JEMSTask Table					
PWS Reference	Requirement/ Threshold	Original Milestone	Tasks	Extension Date	Information/ Assumptions
10.2.2 Implement Jacobs Enterprise Management System	JEMS IOC complete in accordance with Transition Schedule	5-Dec-17	Sprint 1 through 10	8-May-18 <b>COMPLETE</b>	Based upon successful generation of JEMS Baseline/Empower IPMR and IBR Data
10.2.5 Hire the Workforce	All incumbent personnel training/certification data uploaded into JEMS and validated against billet requirements	4-Mar-18	Sprint B (To Include Some Dashboards and Training Records) (11JUN18-22JUN18)	22-Jun-18 <b>COMPLETE</b>	Validated via Development Testing and User Acceptance Testing last 2 days of Sprint
10.2.6 Property, Licenses, and International Traffic in Arms Regulations	All incumbent processes that are critical to IRES operations integrated with JEMS	4-Mar-18	Sprint A (To Include Static Content) (28MAY18-08JUN18)  Sprint C (To Include Some Dashboards and Process Documentation) (25JUN18-06JUL18)	6-Jul-18 <b>COMPLETE</b>	Validated via Development Testing and User Acceptance Testing last 2 days of Sprint  Content housed in JEMS will be restricted based Phase 1 approval by MDA AO and MDA/IC ISSM. Data considered "sensitive" will reside within MDA and not be hosted in JEMS.

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JEMS Task Table					
PWS Reference	Requirement/ Threshold	Original Milestone	Tasks	Extension Date	Information/ Assumptions
10.5.2 Proposed Task Order Risk Mitigation	JRDC program management tools and data architecture baselined for integration into Jacobs Enterprise Management System (JEMS)	4-Mar-18	<p>Sprint 11 - Control Account Plan (CAP) Summary, Task Order Estimate (TOE), Responsibility Assignment Matrix (RAM), Work Authorization Document (WAD) Report (14MAY18-25MAY18) <b>COMPLETE</b></p> <p>Sprint 12 - Two-Factor Authentication (2FA) from MDA to IRES JEMS, Initial Dashboard (28MAY18-08JUN18)</p> <p>Sprint 13 - Dashboards/ Content and Document Metadata (DM) Tool (11JUN18-22JUN18)</p> <p>Sprint 14 - Dashboards/ Content (25JUN18-06JUL18)</p>	6-Jul-18 <b>COMPLETE</b>	<p>Validated via Development Testing and User Acceptance Testing last 2 days of Sprint</p> <p>MDA Risk Tools and Remedy integration for IRES Purchasing will continue to be used through Transition Extension and re-evaluated as part of JEMS sustainment via SEPI Task Order.</p>
10.2.2 Implement Jacobs Enterprise Management System	MDA JEMS access granted and training completed	4-Mar-18	IRES JEMS Government training (09JUL18-27JUL18) for IRES COTRs, CORs, PCOs, contract specialist, IS PMO staff	27-Jul-18	Assumes 3 week Gov't training period leading to milestone.
10.2.2 Implement Jacobs Enterprise Management System	JEMS FOC complete	4-Mar-18		27-Jul-18	Assumes completion of Gov't training on 27JUL18

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The contractor shall provide JEMS status and impact description at the end of Transition.

Deliverables		
Deliverable	Initial Delivery	Frequency
Conduct Post Award CSDR Conference	10 DAC	N/A
JEMS Implementation Impacts on IRES Task Order Requirements	End of Transition	N/A

CPWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
Post-Award Conference regarding CSDR conducted and Government satisfaction of CSDR process received	B	N/A	4
Sample financial and cost CDRL data approved by the Government	A, B	Sample CDRLData	5
JEMS IOC completed in accordance with the JEMS Task Table	A, B	JEMS	5
JEMS FOC completed in accordance with the JEMS Task Table	A,B	JEMS	5
MDA JEMS access granted and training completed in accordance with the JEMS Task Table	A, B	JEMS Portal	5
Transition Schedule Milestone 4 completed	A, B	N/A	5

### 10.2.3 Finalize Subcontracts (Transition Milestone 5)

The contractor shall perform all contracting and subcontracting activities to meet the Transition TO requirements, including IRES Consortium coordination. The contractor shall establish subcontracts with pre-selected teammates. The contractor shall incorporate prime contract elements within these subcontracts along with the salient aspects of each teaming agreement. The contractor shall identify procurement/subcontract requirements that may be needed, in addition to pre-selected teammates, and prepare a Purchasing Requirements List. The contractor shall determine the best method to satisfy subcontracting/procurement requirements and prepare a Procurement Plan. The contractor shall draft subcontracts, configure the purchasing system, and build purchasing templates. The contractor shall ensure subcontracts and subcontractors are ready for contract performance at the close of the transition period and that procurement requirements are ready to execute.

Deliverables		
Deliverable	Initial Delivery	Frequency
None	N/A	N/A

CPWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
All teammate subcontracts in-place in accordance with transition schedule	A, B	N/A	2, 5

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#### 10.2.4 Implement Associate Contractor Agreements (Transition Milestone 6)

The contractor shall pursue Associate Contractor Agreements (ACA) with all major contractors associated with contracts/programs at the MDIOC, as well as those supported by IRES TOs. These ACAs shall define critical interface responsibilities and develop a path of communications to ensure there are no gaps or interruptions in service. The contractor shall formalize these relationships by creating the IRES Associate Contractors Council (IACC) during transition. The contractor shall invite participation by the Contracting Officer's Technical Representatives (COTR) and the JRDC incumbent contractor to allow all IACC members to be informed of ongoing operations, critical outages, and upcoming schedule events that may require IACC coordination and preparation for work transition to IRES on Day 181.

Deliverables		
Deliverable	Initial Delivery	Frequency
None	N/A	N/A

CPWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
IRES ACAs (or equivalent) fully negotiated and executed in accordance with the transition schedule	A, B	N/A	5
IRES Associate Contractors Council (IACC) initiated in accordance with transition schedule	A, B	N/A	5
Transition Schedule Milestone 6 completed	A, B	N/A	5

#### 10.2.5 Hire the Workforce (Transition Milestone 7)

After contract award, the contractor shall immediately contact the CO to request a certified list of all employees working under the JRDC. The contractor shall organize hiring activities in coordination with the contractor's teammates. As part of the hiring process, the contractor shall review, verify, and process security clearances for each employee. The contractor shall provide a qualified transition security team to ensure there is no lapse in employee security clearances.

The contractor shall establish an overall Staffing Plan that is based on the staffing requirements of each negotiated TO. The contractor shall identify incumbent personnel (management and supervisory personnel) who possess critical skills or knowledge of IRES operations and who can provide useful information to supplement the Integrated Team Process (ITP) and seamless transition. The contractor shall interview these specifically-identified personnel early during the transition period so they can assist in ongoing transition activities. The contractor shall ensure that this activity has no impact to ongoing operations and that communications are handled on a non-interference basis (after hours and weekends).

The contractor shall interview, hire, and on-board the workforce who will make up the contractor's IRES Group. Throughout transition, the contractor shall maintain ongoing communications with the workforce regarding job requisitions, interviewing, and hiring schedules.

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The contractor shall conduct Town Hall Meetings to provide the incumbent workforce with opportunities to meet face-to-face with key members of the IRES leadership and Transition Team. To ensure an equal opportunity for all employees to hear directly from new IRES contract leadership, the contractor shall provide access to a video-recording of all Town Hall Meetings on the transition web site or through some other protected, digital distribution method. During the Town Hall Meetings, the contractor shall introduce the BeyondZero® safety culture to the IRES workforce. The BeyondZero® safety culture shall be demonstrated by the Transition Team work performance as the first step to all work processes. Additionally, the contractor shall provide a transition hotline that can be used by employees to anonymously ask questions or share concerns related to IRES transition activities. The transition hotline shall be available to employees immediately following the first Town Hall Meeting.

The contractor shall ensure interviews are conducted by management personnel capable of evaluating applicant qualifications and experience. The contractor shall extend offers based on applicant qualifications, job requirements, and the recommendation of incumbent managers when applicable.

The contractor shall interview and consider every qualified incumbent employee who submits an application. The contractor shall provide interviewing options for employees who are working remotely. The contractor shall ensure that interviews are conducted by IRES management personnel. To the extent possible, the contractor shall staff the IRES contract with incumbent personnel, seeking outside hires only when requirements dictate.

The contractor shall provide personnel who have applied for employment on the IRES contract with notification of their status to ensure closure of the initial hiring process. Hiring status information shall also be provided to the JRDC to ensure that employees who are not retained by the IRES contractor, for whatever reason, are afforded the opportunity to exercise other options, obtain exit counseling and benefit information, or investigate other employment opportunities.

For those personnel who indicate that they will not be transferring to the IRES contract, the contractor shall initiate a search for a qualified replacement using resources that include the certified list of incumbent candidates, contractor team resources, and outside recruiting. In the event the contractor is unable to identify a replacement candidate, the contractor shall use its Jacobs Network of Engineering and Technical Subject Matter Experts (JNETS) to identify an individual with the critical skills needed to temporarily fill the position until a permanent employee is hired.

During the application process, the contractor shall collect personnel training/certification records related to each respective job assignment. Once candidates are selected to fill positions, the contractor's HR team shall verify each applicant's training/certification data against the requirements of the position being offered to ensure all requirements are being met. If the contractor finds a discrepancy between the applicant-provided data and the requirements for the offered position, the contractor shall work with the applicant to ensure that all training/certification records are provided to the IRES contractor. If all records are provided and that applicant does not meet the training/certification requirements for the offered position, the contractor shall select an alternate candidate. All training and certification data for hired employees shall be entered into JEMS for storage, updates, and reporting during contract performance. The contractor shall track training and certifications during contract performance to ensure currency.

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During the onboarding process, the contractor shall:

- Issue employee badges
- Submit and manage Top Secret/Sensitive Compartmented Information (TS/SCI), Special Access Program (SAP), and Special Access Required (SAR) billet requirements
- Track personnel security requirements to include TS/SCI, SAP, and SAR indoctrination
- Oversee, track, and schedule Common Access Card (CAC) issuance
- Oversee subcontractor security requirements
- Transition classified holdings
- Ensure all security-related requirements are met (e.g., DD 254, Visitor Group Security Agreement [GSA])
- Ensure System Administrator rights are transitioned

The contractor shall ensure that all IRES employees maintain or obtain access to the MDIOC and MDA networks by the end of transition.

Deliverables		
Deliverable	Initial Delivery	Frequency
None	N/A	N/A

CPWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
Town Hall Meetings conducted in accordance with transition schedule	A	Transition web site	5
Incumbent personnel with critical skills/knowledge identified	A	N/A	5
Staffing Plan refined according to TO negotiations	A	N/A	5
Requisitions posted in accordance with transition schedule	A	N/A	5
Interview process started 45 days before the end of the Transition TO	A	N/A	5
Extend offers and track acceptances with 95% offer acceptance rate achieved	A, B	JEMS Online Application Submittal Module	5
All incumbent personnel training/certification data uploaded into JEMS and validated against billet requirements	A	JEMS	5
All TS/SCI, SAP, and SAR billets submitted and security requirements met in accordance with transition schedule	C	N/A	5
Conduct New Hire Orientation and on-boarding by end of Transition TO	A	N/A	5
Transition Schedule Milestone 7 completed	A	N/A	5

#### 10.2.6 Property, Licenses, and International Traffic in Arms Regulations

The contractor shall request copies of existing licensing plans, processes, or procedures from MDA and the JRDC contractor. The contractor shall review and identify licensing gaps and

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implement solutions including the application of internal licenses or new software licenses as needed. The contractor shall ensure a complete and detailed accounting of licenses to ensure continuity of service. The contractor shall review incumbent software licenses for expiration dates and use on IRES. The contractor shall make necessary modifications and/or reassignments to licenses in coordination with software vendors to ensure required licenses are in-place by the end of the transition period.

The contractor shall incorporate incumbent processes into the contractor's IRES management system when prudent and applicable. The contractor shall incorporate existing incumbent contractor documents (i.e., policies, upper tier program plans, training plans/course materials and manuals, procedures and standards, interface management agreements, forms) that are critical to ongoing IRES operations in the JEMS management system. During transition, the contractor shall review these documents for compliance with the IRES governing contract requirements and applicability to future TOs. As part of this review process, the contractor shall assign programmatic documents to the appropriate organization and Process Owner. The contractor shall update all contractor plans for IRES by the end of the Transition TO.

In compliance with the International Traffic in Arms Regulations (ITAR) (22 CFR 120-130), the contractor shall conduct ongoing reviews to identify tasks in which employees' activities could fall under the purview of the ITAR and manage the ITAR and Technical Assistance Agreement (TAA) processes. The contractor shall identify all ITAR requirements, submit exemptions, and initialize TAAs for projects that are not exempt from the ITAR.

Deliverables		
Deliverable	Initial Delivery	Frequency
None	N/A	N/A

CPWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
All licenses in place by the end of the Transition TO	A	N/A	5
Process Owners identified for adoption and integration of assigned programmatic documents	A	N/A	5
All contractor plans for IRES revised and updated by the end of the Transition TO	A	N/A	5
All incumbent processes that are critical to IRES operations integrated with JEMS by the end of the Transition TO	A	JEMS	5
ITAR exemptions submitted and TAAs initialized without disruption to ongoing operations	A	N/A	5
Transition Schedule Milestone 5 Completed	B	N/A	5

### 10.3 Task Order Administration

The contractor shall successfully integrate and coordinate all activities needed to execute the requirements of this CPWS. The contractor shall manage the timeliness, completeness, and quality of TO administration deliverables. The contractor shall provide corrective action plans, proposal submittals, timely identification of issues, and effective management of subcontractors.

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### 10.3.1 Task Order Management (Transition Milestone 8)

The contractor's Program Manager shall be the single POC responsible for managing the cost, schedule, risk, and technical performance of the Transition TO. The contractor's Program Manager shall serve as the liaison to the COTR or Assistant COTR (ACOTR) to provide insight on TO performance and shall coordinate weekly activities with them. The contractor shall perform all business and finance activities to meet the Transition TO requirements.

Deliverables		
Deliverable	Initial Delivery	Frequency
None	N/A	N/A

CPWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
PM or TM requests weekly feedback from COTR/ACOTR on satisfaction with Transition TO delivery	A	N/A	3, 8

### 10.3.2 Task Order Reporting (Transition Milestone 8)

The contractor shall collect and report actual contract costs in accordance with the contractor's process.

The contractor shall deliver an Integrated Program Management Report (IPMR) (CDRL C001) which summarizes monthly TO performance. The IPMR shall be a summary roll-up of the weekly progress review information and provide month-end cost and schedule variance status.

Deliverables		
Deliverable	Initial Delivery	Frequency
CDRL C001: Integrated Program Management Report (IPMR)	Per CDRL	Per CDRL

CPWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
CDRL C001: IPMR delivered on-time	C	CDRL	4

### 10.3.3 Performance Management (Transition Milestone 8)

The contractor's Performance Management Office (PMO) shall be responsible for identifying, measuring, tracking, analyzing, and reporting Transition TO performance data. The contractor shall track TO performance and lessons learned and share with the COTR and ACOTR. The contractor shall manage all TO CDRLs to ensure timely delivery and accuracy of information. The contractor shall perform periodic inspections as described in the CPWS surveillance methodology to ensure consistent achievement of performance thresholds.

The contractor's performance shall be measured by its timely delivery of formal deliverables and conduct of status reviews. The contractor's PMO shall also measure, track, and report the contractor's performance against the proposed SSIs.

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The contractor shall solicit lessons learned from the Transition Team, workforce, and MDA personnel. The contractor shall document and share TO lessons learned and process improvements with the COTR and ACOTR and during weekly progress meetings. Lessons learned shall be summarized at each transition team meeting. Unfavorable lessons shall be reviewed for potential process improvements. Favorable lessons shall be reviewed to ensure success is repeated/continued. The contractor shall document lessons learned and provide such lessons to MDA during and following transition for future acquisition process improvement. The contractor shall implement mitigations and improvements for ongoing TO transition phases.

The contractor shall deliver a draft report of Transition Task Order Lessons Learned (CDRL C002) 20 days prior to the end of the Transition TO and the final report 5 days prior to end of the Transition TO. Reports shall be delivered electronically via posting to the E-CaRT in accordance with the IRES CDRL delivery/posting business rules.

Deliverables		
Deliverable	Initial Delivery	Frequency
CDRL C002: Transition Task Order Lessons Learned DRAFT	Per CDRL	Per CDRL
CDRL C002: Transition Task Order Lessons Learned FINAL	Per CDRL	Per CDRL

CPWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
CDRL C002: Transition Task Order Lessons Learned DRAFT delivered on-time	C	CDRL	4, 6
CDRL C002: Transition Task Order Lessons Learned FINAL delivered on-time	C	CDRL	4, 6
Transition Schedule Milestone 8 completed	A	N/A	5
Share lessons learned and process improvements encountered during Transition at weekly review meetings	A	N/A	6
Identify process improvements in Phase 1 of the IRES TO Award/Modification Process, and with Government concurrence, implement in Phase 2 and 3 processes	B	N/A	6

#### 10.4 Task Order Negotiations and Award

The contractor shall support the IRES TO Award and Modification Process. The contractor shall develop Performance Work Statements and proposals in accordance with MDA instructions and schedule requirements. The contractor shall provide program management and subject matter expertise to support the Integrated Team Process (ITP) as described in RFP Attachment L-09, Task Order Award and Modification Process. The contractor shall also develop technical solutions in response to TO requirements. The contractor shall submit TO proposals and negotiate TO awards in accordance with the TO transition schedule.

##### 10.4.1 Program Management

The contractor shall manage the Transition TO awards and modifications as a program. The contractor shall appoint a single manager to oversee all activities. The contractor shall assign sufficient resources to each Transition TO to fully develop and submit a compliant proposal that

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efficiently and effectively addresses the TO requirements. The contractor shall provide weekly status at the contractor's Readiness Reviews.

Deliverables		
Deliverable	Initial Delivery	Frequency
None	N/A	N/A

CPWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
Transition Schedule Milestone 9 completed	A	N/A	5
TO negotiation and award status provided at weekly reviews	B	N/A	7

#### 10.4.2 Technical Solutions

The contractor shall support the ITP Task Order Award and Modification Process. The contractor shall assign Stakeholder Task & Integration Managers (STIM) to each of the TOs. The contractor's STIM shall provide the single point of contact to the Government for his/her assigned TO. The contractor shall make STIM assignments that align STIM knowledge and expertise with the specific TO domain and scope. The contractor's STIMs shall be responsible for identifying and assigning IRES Group members to Joint Integrated Product Team (IPT). The contractor's Joint IPT members shall include corporate SMEs and functional support members as necessary to successfully develop technical solutions. The contractor's STIM shall have the authority to make real-time decisions in support of the ITP. The contractor's STIM shall promote open, two-way communication, identify problems/issues early in the process, support the joint definition of requirements, provide early feedback to the Government, and eliminate duplication of effort. The contractor's STIM shall promote teamwork, building trust and confidence, and actively involve all Joint IPT members to ultimately arrive at a TO technical solution.

ITP steps to achieve technical solutions are summarized below. The contractor shall support the ITP as summarized below:

Step	Process Step	Responsibility
ITP 1/Trad. 1	Identify Need	Government
<b>Government Action Taken</b>		
Government stakeholder identifies need and works with the IRES program management organization to develop Statement of Need.		
Step	Process Step	Responsibility
ITP2	Initial Need Assessment	Joint IPT
<b>Contractor Requirements</b>		
The contractor Joint IPT members shall collaborate with the Government to decompose TO requirements into lower level requirements that can be translated into IRES resources and capabilities needed for successful TO product and service delivery. In support of the Joint IPT, the contractor shall help ensure that risk and preliminary technical solutions are identified through the following activities:		
<ul style="list-style-type: none"><li>The contractor's STIM and technical SMEs shall engage the MDA to elicit deep technical and programmatic understanding of the TO customer requirements</li><li>The contractor shall incorporate elements of their Systems Engineering (SE) Excellence and Jacobs Cybersecurity Situational Awareness (JCSA) Key Approaches that consider all appropriate mission assurance requirements in the beginning of the requirements development process</li></ul>		

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<ul style="list-style-type: none"> <li>Once all requirements are understood and captured, the contractor's STIM shall facilitate parallel reviews by all IRES stakeholders to ensure that the entire team understands the proposed work effort, that risks are identified, and that proposal products meet a consistent, high-quality standard</li> <li>These reviews shall include the contractor's teammates for Organizational Conflict of Interest (OCI)/ Perceived Competition Threat (PCT) assessment</li> <li>The contractor shall assess the work in the context of all other known IRES work to prevent duplication and promote an efficient technical solution</li> <li>The contractor shall help develop the preliminary technical solutions and identify associated risks</li> <li>Once the Joint IPT selects a technical solution, the contractor shall help develop the draft TO PWS to reflect the new work, and help draft the IRES Requirements Review Board (IRRB) briefing</li> </ul>		
<b>Step</b>	<b>Process Step</b>	<b>Responsibility</b>
ITP 3	Develop Government's Initial Cost Estimate	Government
<b>Government Action Taken</b>		
Independent Government Cost Estimate (IGCE) that identifies labor categories, anticipated labor hours, travel, equipment, and other anticipated costs is developed.		
<b>Step</b>	<b>Process Step</b>	<b>Responsibility</b>
ITP 4/Trad. 3	IRES Requirements Review Board	Government
The IRES Requirements Review Board will provide a program-level perspective to TOs issued under the IRES contract and will consider potential overlaps in scope, opportunities for synergy, and potential resource/schedule conflicts. The IRRB will issue approval to Proceed/Stop or Move to technical solutions. The contractor shall support the IRRB as required.		
<b>Government Action Taken (concluded)</b>		
<b>Step</b>	<b>Process Step</b>	<b>Responsibility</b>
ITP 5	Develop Technical Solution	Joint IPT
<b>Contractor Requirements</b>		
To help the Government achieve the optimal technical solution for ITP TOs, the contractor's STIM shall coordinate with other Department Directors, the contractor's SMEs, and others to support the Joint IPT technical solution development. The contractor shall leverage JNETS to access specialized skills, including access to contractor experts at other locations, the contractor's Preferred Partners, and the IRES Consortium. The contractor shall evaluate the task for new, innovative, or more efficient ways to perform the work that have not previously been considered. The technical solutions development process shall result in a completed Task Order Requirements Package (TORP).		

Deliverables		
Deliverable	Initial Delivery	Frequency
None	N/A	N/A

CPWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI#
ITP members provide government required technical support and real-time decisions	A	N/A	7
At least 50% of all TO Proposals include new, innovative, or more efficient ways to perform the work	C	Proposal	7

### 10.4.3 Proposal Development and Submittal

The contractor shall generate a PWS and estimate for each TO effort. The contractor shall deliver TO proposals on-time without deviation from the Government's prescribed submittal schedule. The contractor shall ensure TO proposals are aligned with MDA requirements and

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expectations. The contractor shall communicate with MDA to field questions or make amendments/adjustments as needed for TO proposal clarification.

The contractor shall develop proposals in response to ITP Step 7 and Traditional Step 10. Upon receipt of the RFP (ITP Step 6 and Traditional Step 4 shown in the following table), the contractor shall review the requirements and technical solution for development of the contractor's proposal. The contractor's proposal development process shall include the following elements:

Step	Process Step	Responsibility
ITP 6/Trad. 4	Issue RFP	Government
<b>Government Action Taken</b>		
Upon TORP approval, the CO issues the RFP.		
Step	Process Step	Responsibility
ITP 7/Trad. 5	Proposal Development	Jacobs Team

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Contractor Requirements		
<p>Upon receipt of the RFP and its PWS, the contractor shall carefully review the requirements and technical solution and begin its ITP proposal development process. This process will include the following elements:</p> <ul style="list-style-type: none"> <li>• <i>Standard Proposal Template</i> – The contractor shall develop a standard TO proposal template. The design and use of this standard template shall be based on requirements and expectations agreed to by the CO of both ITP and Traditional TO submittals. This template shall be used on all TO proposals</li> <li>• <i>Develop Contractor Work Breakdown Structure (CWBS)</i> – The contractor shall translate the PWS into a CWBS that complies with the IRES CSDR Plan</li> <li>• <i>Select Performance Metrics and Tracking System</i> – The contractor shall identify appropriate metrics for measurement and tracking based on the performance thresholds for the task and the level of task complexity</li> <li>• <i>Identify Assumptions and Risks</i> – The contractor shall list all assumptions pertaining to the TO, including dependencies on external factors. The contractor shall conduct a risk analysis for each TO and link the risks to impacts on cost and schedule performance. The contractor shall perform an OCI assessment</li> <li>• <i>Finalize Cost Estimate</i> – The contractor shall create task estimates for all labor and non-labor costs. The contractor shall use the Rough Order of Magnitude (ROM) estimate as a baseline if one was prepared. The contractor shall also apply an approximate cost to each risk to ensure clear understanding of the total potential cost</li> <li>• <i>Review Work Package and Submit Proposal</i> – After the work is planned and budgeted, the contractor shall perform an internal review to ensure that all steps have been included and that the task can be completed as planned. The contractor shall then submit the final proposal to the CO within the 5 day ITP requirement or 15 day Traditional TO process requirement</li> </ul>		
Step	Process Step	Responsibility
ITP 8/Trad. 6	Normal Contracting Process	Government
Government Action Taken		
<p>The contractor shall support ITP Step 8, Task Order Award. After TO award and before TO execution, the contractor's Integrated Scheduling/Project Control Office, in coordination with the contractor's EMO and PMO, shall establish the performance baseline and input cost, schedule, and resource data into our Earned Value Management System (EVMS).</p>		
Capture Task Order Lessons Learned		
Contractor Requirements		
<p>The contractor shall document lessons learned, identify areas for improvement, and apply lessons learned to the negotiation and award of future TOs.</p>		

Deliverables		
Deliverable	Initial Delivery	Frequency
Standard TO Proposal Template	14 DAC	Once
TO Proposals	Per Agreed-To Schedule	As Required

CPWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
Perform Internal Review of Work Package plan and budget	A	Proposal	7
Submit individual final TO proposals to the CO within the 5 day ITP or 15 day Traditional TO requirement	C	Proposal	7
Phase One Task Orders finalized, 85 DAC	A	JEMS Portal	4, 7
Phase Two Task Orders finalized, 130 DAC	A	JEMS Portal	4, 7
Phase Three Task Orders finalized, 165 DAC	A	JEMS Portal	4, 7

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## **10.5 Transition Risk Mitigation**

The contractor shall use an organized method for identifying/measuring risk and for selecting, developing, and implementing mitigation options, rather than a series of independent events. The contractor shall provide a robust risk management program that identifies, tracks, and mitigates, to the extent possible, mission execution and performance risk. The contractor's Risk Management (RM) approach shall include a systematic, ongoing, and repeatable process that is consistently applied to all IRES task, event, and project activities to identify potential solutions; analyze their overall risk; select the appropriate solution; identify individual risks; analyze their impact; develop specific risk mitigation, avoidance, or acceptance methods; track, update, and re-assess changing risks and mitigation actions; and ensure risk information is communicated and documented. The contractor's Risk Management approach shall combine Continuous Risk Management (CRM) and Risk Informed Decision Making (RIDM) processes to continually assess technical, cost, schedule, safety, and security risk. The contractor shall review risk identification, mitigation options, and management assessments during both the weekly Readiness Reviews and IPMRs.

### **10.5.1 Critical Event and Process Identification**

The contractor shall meet with MDA stakeholders and the JRDC contractor to identify the most critical/high risk MDA activities, processes, and personnel that should be observed during transition. During the first two weeks of transition, the contractor shall update the Critical Activities List based on the information learned during these meetings. The contractor's MAO Manager, Department Directors, and other office managers shall establish an observation program to ensure a seamless transition of critical activities.

The contractor shall review and analyze the Integrated Master Test Plan (IMTP), all current transitioning task orders, upcoming VIP schedule, current MDIOC Unified Facilities Guide, MDIOC Facilities Support Sustainment Plan, all applicable IT sustainment and modification plans, and element release and deployment plans that may require IRES resources. The contractor shall work with MDIOC or MDA stakeholders to identify key activities that require IRES emphasis for continuity of operations. Key event activities shall include the following:

- Test event local meetings, phase reviews, and executive reviews for local primary, secondary, tertiary, and associated operations test participants as required for FTT-15, FTX-22, FTG-11, FTM-24, FTO-03, GTI-07a, GTX-07b, and GTD-07b Parts 1 and 2
- Post-test executive reviews for FTG-15, SFTM-02, FTM-27, and FEV-01
- Wargames & exercises meetings, risk reduction testing, integration testing, and execution for AMDEX, Austere Challenge, FST-J, Key Resolve, Pacific Sentry, Ulchi Freedom Guardian, Vigilant Shield/Global Thunder, Epoch Planex, Global Lighting, Huntsville Wargame, Nimble Titan, and all other demos and exercises
- Any venues associated with facilities sustainment and modification activities to include major customer movements; IT infrastructure or services sustainment and modification activities; element RDT&E and fielding plans that may require IRES resources; Public Affairs or Protocol events involving VIPs; and any other activities or processes we discover or the Government deems necessary to include on our Critical Activities List

Once key milestones and activities have been identified, the contractor shall add them to its integrated schedule and synchronize them with other transition activities. The contractor shall

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apply situational awareness to prevent CTTO disruptions during transition. The contractor shall conduct observation of critical activities to promote continuity of operations. The contractor shall select which activities to observe based on risk.

The contractor shall observe key processes that promote MDIOC operations and its support to CTTO during transition. The contractor shall gradually tailor existing processes to integrate and streamline the work to support the current IRES environment. Members of the contractor's key personnel team shall be assigned responsibility for attending the following meetings during transition: MDA Stand Ups, Design Review Board (DRB)/System Requirements Board (SRB), Portfolio Management Integration & Engineering Architecture Boards (PMIB), MDIOC Operations Meetings, and Working Screening Teams.

During transition, the contractor shall track recurring Government meetings for potential observation. To the extent the MDA requires the JRDC contractor, or the MDA recognizes an advantage for IRES personnel to attend a meeting during transition, the contractor shall observe these meetings if allowed. The contractor shall assign Department Directors the responsibility for observing specific meetings based on material covered.

Deliverables		
Deliverable	Initial Delivery	Frequency
None	N/A	N/A

CPWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
Transition Schedule Milestone 10 completed	A, B	N/A	5
Critical Activities List updated with new information obtained from MDA stakeholders within the first two weeks of Transition TO	A	N/A	8
Key meetings and processes identified for observation and attended by designated key personnel	A	N/A	8
Critical events are captured, managed, and tracked as part of the risk management program	A	N/A	8
Risk Mitigation plans updated as required and brief weekly at reviews	B	N/A	8
Transition advisors provide support as needed throughout transition to mitigate risk	A	N/A	8

### 10.5.2 Proposed Task Order Risk Mitigation

The contractor shall establish a shadowing program during transition on a noninterference basis to ongoing CTTO. Within the first two weeks of the Transition TO, the contractor's PM shall meet with his JRDC counterpart and discuss the availability and willingness to participate in the shadowing program.

For employees who are considered absolutely critical to IRES mission success, the contractor shall attempt to capture their commitment prior to hiring the workforce at large. If it appears that IRES employment is not likely, the contractor shall assign a Transition Team member, or bring in a JNETS (a deliverable of CPWS 10.2.5) resource with the appropriate domain expertise, to shadow critical activities.

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The contractor shall perform the following activities related to the SE&PI TO during transition to further mitigate issues with integration and provide support across the total IRES scope of work:

- Baseline JRDC program management tools and data architecture for integration into JEMS
- Baseline JRDC Configuration Management/Risk Management tools
- Complete Systems Engineering analysis and bridge plan for current projects/events
- Complete JRDC SE tools baseline analysis
- Baseline JRDC cybersecurity processes
- Chief Systems Engineer shadows JRDC personnel to gain awareness of current Critical Asset Lists (CAL) and configurations
- Baseline current JRDC Safety Program

The contractor shall perform the following activities related to the EITS TO during transition to further mitigate issues with integration and provide support across the total IRES scope of work:

- Leverage JNETS ITIL v3 expert to sustain existing MDA ITIL/ITSM processes and benchmark those processes against Jacobs Best Business Practices (BBP)
- Inventory and document the existing MDA Services Portfolio
- Offer self-study ITIL v3 Foundations training for all JRDC EITS personnel without current certification
- Benchmark current MDA cybersecurity best practices and baseline the MDA transition to the Risk Management Framework (RMF)
- Identify program gaps and opportunities to improve the MDA cybersecurity posture through implementation of our Jacobs Cybersecurity Situational Awareness (JCSA) Key Approach
- Baseline the current MDA Roles Based Administration (RBA) hierarchy and map to contractor's IRES organization
- Assess the current status of business intelligence/analytics tool implementation, verify alignment with Jacobs Connected Enterprise (JCE) Key Approach, and plan for integrating the MDA data architecture
- Collaborate with the MDA CIO to understand the concept of operations for the MDA Private Cloud and define a Cloud Migration Plan
- Perform a gap analysis for achieving ITaaS integration within the contractor's IT Services Management (ITSM) organization

The contractor shall perform the following activities related to the FE&O TO during transition to further mitigate issues with integration and provide support across the total IRES scope of work:

- Asset Management Department Director will shadow current MDIOC facility operations to identify critical issues, status of critical assets, and other FE&O transition risks
- Evaluate status and configuration of MDIOC assets subject to freeze
- Review/assess current Failure Modes, Effects, and Criticality Analysis (FMECA)
- Baseline the current JRDC Safety Program
- Assess the current state of Predictive Maintenance (PdM) technologies and identify target technologies for implementation
- Complete Asset Management Program Assessment for MDIOC facilities

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- Meet with MDA/ICME and DPF to capture Key Performance Indicators (KPI) for IRES
- Conduct a deep dive assessment of existing Maximo data

Deliverables		
Deliverable	Initial Delivery	Frequency
None	N/A	N/A

CPWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
Meeting held with JRDC to discuss willingness and availability for initiation of Observation/Shadowing Program	A	N/A	8
JRDC program management tools and data architecture baselined for integration into Jacobs Enterprise Management System (JEMS)	A	JEMS	8
JRDC configuration management/risk management tools baselined	A	N/A	8
Systems engineering analysis and bridge plan for current projects/events completed	A	N/A	8
JRDC SE tools baseline analysis completed	A	N/A	8
JRDC cybersecurity processes baselined	A	N/A	8
Chief Systems Engineer shadowing of JRDC personnel for awareness of current Critical Asset Lists (CAL) and configurations completed	A	N/A	8
JRDC Safety Program baselined	A	N/A	8
JNETS ITIL v3 expert leveraged to sustain existing MDA ITIL/ITSM processes and benchmark against Jacobs Best Business Practices	A	N/A	8
Inventory and documentation of existing MDA Services Portfolio completed	A	N/A	8
All JRDC EITS personnel without current certifications offered self-study ITIL v3 Foundations training	A	N/A	8
MDA cybersecurity best practices and MDA transition to the Risk Management Framework (RMF) baselined	A	N/A	8
Program gaps and opportunities to improve the MDA cybersecurity posture are identified and documented	A	N/A	8
MDA Roles Based Administration (RBA) hierarchy baselined and mapped to the contractor's IRES organization	A	N/A	8
Assessment of current business intelligence/analytics tool implementation and verification of alignment with Jacobs Connected Enterprise (JCE) Key Approach completed, and plan for integrating the MDA data architecture determined	A	N/A	8
Collaboration with the MDA CIO to understand the concept of operations for the MDA Private Cloud completed and Cloud Migration Plan defined	A	N/A	8
Gap analysis for achieving ITaaS integration within the contractor's ITSM organization performed	A	N/A	8
MDIOC facility operations shadowed by Asset Management Department Director to identify critical issues, status of critical assets, and other FE&O transition risks	A	N/A	8

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Evaluation of status and configuration of MDIOC assets subject to freeze completed	A	N/A	8
Review and assessment of current Failure Modes, Effects, and Criticality Analyses (FMECA) completed	A	N/A	8
Assessment of the current state of PdM technologies completed and target technologies for implementation identified	A	N/A	8
Asset Management Program Assessment for MDIOC facilities completed	A	N/A	8
Meetings with MDA/ICME and DPF to capture Key Performance Indicators (KPI) for IRES completed	A	N/A	8
Maximo data deep dive assessment completed	A	N/A	8

### 10.6 Early Procurement Capability

To facilitate continuity of operations and to enable rapid initiation of projects upon the start of stakeholder task orders, the procurement of specific long-lead items is necessary. These items have been defined and approved during the project design / review process accomplished on the predecessor contract (JRDC). Due to the estimated delivery date of these items, procurement under the predecessor contract is not feasible. Each stakeholder task order requiring early procurement will provide an itemized list for each project that will include, at a minimum: Item Number, Item, Item Description, Transition TO CLIN, Stock Number, Quantity, need by (or earliest required receipt) date, delivery location, and if substitutes are acceptable. The list will also identify the current / anticipated Vendor if known. Each itemized list will be appended to the CPWS as Enclosures IA-In. Cost per itemized list will be captured and reported. All items procured will be delivered to the government at time of receipt at the FOB (either Colorado Springs or Huntsville warehousing facilities).

Support at the warehousing facilities may include: entering data into the government-owned property system (Remedy CMDB); entering data into DPAS; assisting in the tagging of property; and supporting development of sub-hand receipts.

Deliverables		
Deliverable	Initial Delivery	Frequency
None		

### 10.7 Command Cybersecurity Readiness Inspection (CCRI) Observation

Review CCRI Scope and planning activities leading up to the CCRI. Review existing network architecture and RMF documentation. Review DISA Scanning of the CCRI Scope environment.

November 27 through December 8: Participate in CCRI team in-brief in Huntsville Alabama. Review CCRI team activities. Develop understanding of complexities associated with the enterprise cybersecurity environment. Participate in daily CCRI team briefings. Participate in CCRI team out-brief.

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Review CCRI findings. Review Plan of Action and Milestones (POAM) associated with remediation activities. Develop focus areas for emphasis on IRES. Develop lesson's learned documentation for the next planned CCRI to reduce team preparation cost.

Deliverables		
Deliverable	Initial Delivery	Frequency
CCRI Lessons Learned	4 January 2018	Once

#### **10.8 Mission Control Center (MCC) Infrastructure Project Detailed Design Review and Finalization**

A detailed design for the Mission Control Center (MCC) Infrastructure Project was developed under the predecessor contract; this design and bill of materials will be provided as Government Furnished Information.

In order to meet the beneficial occupancy date of May 2018, the project implementation phase must start as soon as practicable under the Infrastructure Support Projects task order HQ079617F8600 (planned start date of 5 January 2018). To enable rapid start of the implementation phase, the following activities will be accomplished on the Transition task order (HQ079617F8001) prior to 4 January 2018:

- 1) A review of the detailed design;
- 2) Site survey(s) to confirm accuracy of the design;
- 3) Identify red-line corrections to the design;
- 4) Develop the equipment / materials list;
- 5) Develop the Design Review Board (DRB) briefing slides;
- 6) Submit a cost estimate for the implementation and closeout phases; and
- 7) Review and familiarization of projects in the Infrastructure Support Projects pipeline.

Deliverables		
Deliverable	Initial Delivery	Frequency
Design Review Board (DRB) briefing slides	NLT 27 Dec	Once
Cost estimate for the implementation and closeout phases	NLT 27 Dec	Once

#### **10.9 Enterprise Data Analytics Capability and Data Management Assessment**

Conduct preliminary assessment on policies, processes, tools and architectures as they relate to data management and analytic capabilities. Based on the outcome of the initial assessment, perform a gap analysis that will be used to plan for future requirements and capabilities.

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The initial assessment should include, but is not limited to, review of the current Enterprise Data Analytics Service (EDAS) covering physical infrastructure: architecture, capacity (storage and compute), and software (analytic and data management tools); data policies: data governance charters, existing Data Extraction Agreements (DEAs), collection criteria, retention, and security (encryption, access control, etc.); data sources: comprehensive list of current authoritative sources, identify possible future data sources (collection method, format, volume, velocity, etc.), and processes: ETL (Extract, Transform, Load), data modelling, processing methods and techniques, and data or knowledge dissemination; and develop a comprehensive catalog of current products and services delivered from EDAS to MDA customers.

The contractor will also participate as a member on the Data Governance Integrated Product Team (DGIPT) and Data Governance Leadership Committee (DGLC). Additionally, the contractor will provide input into the Data Governance Executive Steering Committee (DGESC), related to Data Extraction Agreements and the development of agency-wide data and analytic policies.

The deliverable will be a document that describes the existing data management and analytic processing environments, a list of candidate data sources for inclusion in future data source integration activities, recommendations for enhancements or additions to existing analytic tools and processing environment needed for next generation or long-term data management and analytic environment improvement.

Deliverables		
Deliverable	Initial Delivery	Frequency
Data Management / Data Analytics Initial Assessment	4 January 2018	Once

#### **10.10 Sustainment Engineering Process Participation**

Review Operational Requirements Documents (ORD) for FEV-01 and FTM-29. Review test and exercise requirements associated with Keen Edge 18, FTO-03 E1 SPMT, and GTI-07b (N/P). Participate in existing Mission Planning Element coordination meetings; review historical Change Requests (CRQ) associated with HNX-18 (EUCOM), GTI-07b (E/C), EAMDEX 17, and FTA-01 SPMT Mission; develop interface points to flight test, ground test, exercise, and wargames participants for later use. Participate in planning meetings and discussions relevant to the integration of disparate networks into a test architecture. Review Authority to Test, Authority to Operate, and Authority to Connect accreditation documentation associated with the previously stated activities.

Develop lesson's learned documentation for the next planned Flight and Ground Test support effort to ensure IRES success.

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Deliverables		
Deliverable	Initial Delivery	Frequency
Sustainment Engineering Process Documentation	4 January 2018	Once

#### 10.11 Wargames and Exercises Execution Preparation

In preparation to meet the requirements for Wargames and Exercises activities and events (i.e. conferences, Technical Interchange Meetings, Test Periods, and Execution Periods) from January through March 2018, plan for and conduct the following activities: review and shadow the foreign disclosure packages to be approved for use from January to March 2017; apply for permanent export license(s) to cover IRES foreign disclosure activities; apply for ITAR exemptions not anticipated to be covered by the pending permanent export license(s); ensure transitioning or new employees participating in foreign travel complete the MDA International Travel Form and Threat Briefs, are on host nation roster by name and future company, and have obtained necessary access and/or identification cards for Status of Forces Agreements (SOFA); establish a SPOT account for use on IRES; ensure transitioning or new employees can make air and lodging reservations at least 30 days prior to travel need date even if during the IRES transition period; review shipment plans for activities and events occurring from January to March; and ensure personnel involved in Special Access Programs (SAP) have clearances and special access transferred upon task order start date.

Deliverables		
Deliverable	Initial Delivery	Frequency
None		

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## Exhibit C



C001 - IPMR reduce  
EVM.pdf






C002 - Transition  
Task Order Lessons L

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### Enclosure 1: Early Procurement List

Encl #	List #	Title	List
IA	EP01	IRES18F8600-01 MCC Phase III Upgrade	 EP01_IRES18F8600-01_MCC Phase III Up
IB	EP02	IRES18F8600-02 MAN Site Buildout	 EP02_IRES18F8600-02_MAN Site Buildout
IC	EP03	IRES18F8600-03 3400 MCC Upgrade	 EP03_IRES18F8600-03_3400 MCC Upgra

<b>ORDER FOR SUPPLIES OR SERVICES</b>										PAGE 1 OF 13			
1. CONTRACT/PURCH. ORDER/AGREEMENT NO. HQ079617D0001			2. DELIVERY ORDER/CALL NO. HQ079618F1500P00005		3. DATE OF ORDER/CALL (YYYYMMDD) 2018 Feb 23		4. REQ. PURCH. REQUEST NO. See Schedule		5. PRIORITY  DX-C9				
6. ISSUED BY MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300			CODE HQ0796		7. ADMINISTERED BY (if other than 6) DCMA HUNTSVILLE 1040 RESEARCH BLVD SUITE 100 MADISON AL 35758-2040			CODE S0107A		8. DELIVERY FOB <input checked="" type="checkbox"/> DESTINATION <input type="checkbox"/> OTHER  (See Schedule if other)			
9. CONTRACTOR JACOBS TECHNOLOGY INC. 550 WILLIAM NORTHERN BLVD. TULLAHOMA TN 37388-4727			CODE 7EBK3		FACILITY		10. DELIVER TO FOR POINT BY (Date) (YYYYMMDD) <b>SEE SCHEDULE</b>		11. MARK IF BUSINESS IS <input type="checkbox"/> SMALL <input type="checkbox"/> SMALL DISADVANTAGED <input type="checkbox"/> WOMEN-OWNED				
NAME AND ADDRESS							12. DISCOUNT TERMS		13. MAIL INVOICES TO THE ADDRESS IN BLOCK See Item 15				
14. SHIP TO  <b>SEE SCHEDULE</b>			CODE		15. PAYMENT WILL BE MADE BY DFAS COLUMBUS CENTER SOUTH ENTITLEMENT OPERATIONS P. O. BOX 182264 COLUMBUS OH 43218-2264			CODE H00338		MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2.			
16. TYPE OF ORDER		DELIVERY/ CALL		<input checked="" type="checkbox"/>		This delivery order/call is issued on another Government agency or in accordance with and subject to terms and conditions of above numbered contract.							
		PURCHASE		<input type="checkbox"/>		Reference your quote dated Furnish the following on terms specified herein. REF:							
ACCEPTANCE. THE CONTRACTOR HEREBY ACCEPTS THE OFFER REPRESENTED BY THE NUMBERED PURCHASE ORDER AS IT MAY PREVIOUSLY HAVE BEEN OR IS NOW MODIFIED. SUBJECT TO ALL OF THE TERMS AND CONDITIONS SET FORTH, AND AGREES TO PERFORM THE SAME.													
NAME OF CONTRACTOR				SIGNATURE				TYPED NAME AND TITLE				DATE SIGNED (YYYYMMDD)	
<input checked="" type="checkbox"/> If this box is marked, supplier must sign Acceptance and return the following number of copies: 1													
17. ACCOUNTING AND APPROPRIATION DATA/ LOCAL USE  See Schedule													
18. ITEM NO.		19. SCHEDULE OF SUPPLIES/ SERVICES				20. QUANTITY ORDERED/ ACCEPTED*		21. UNIT		22. UNIT PRICE		23. AMOUNT	
		<b>SEE SCHEDULE</b>											
* If quantity accepted by the Government is same as quantity ordered, indicate by X. If different, enter actual quantity accepted below quantity ordered and encircle.						24. UNITED STATES OF AMERICA IN (b)(6) EN (b)(6) BY (b)(6) @a.mil		25. TOTAL \$2,387,391.00 EST		26. DIFFERENCES			
27a. QUANTITY IN COLUMN 20 HAS BEEN <input type="checkbox"/> INSPECTED <input type="checkbox"/> RECEIVED <input type="checkbox"/> ACCEPTED, AND CONFORMS TO THE CONTRACT EXCEPT AS NOTED													
b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE						c. DATE (YYYYMMDD)		d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE					
e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE						28. SHIP NO.		29. DO VOUCHER NO.		30. INITIALS			
f. TELEPHONE NUMBER						g. E-MAIL ADDRESS							
36. I certify this account is correct and proper for payment.						<input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL		32. PAID BY		33. AMOUNT VERIFIED CORRECT FOR			
a. DATE (YYYYMMDD)		b. SIGNATURE AND TITLE OF CERTIFYING OFFICER				31. PAYMENT <input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL				34. CHECK NUMBER			
										35. BILL OF LADING NO.			
37. RECEIVED AT		38. RECEIVED BY		39. DATE RECEIVED (YYYYMMDD)		40. TOTAL CONTAINERS		41. S/R ACCOUNT NO.		42. S/R VOUCHER NO.			

Section B - Supplies or Services and Prices

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1700	(b)(4)				(b)(4)
	Services/Capabilities				
	CPIF				
	The contractor shall provide all services/capabilities identified in the performance work statement (PWS) attached to this task order. All task order costs, other than those specifically included in another contract line item number (CLIN), are included in this CLIN.				
	All share ratios are identified as follows: Government/Contractor. The share ratios are subject to revision in accordance with the IRES Performance Evaluation and Incentive Plan (Contract Attachment J-06).				
	FOB: Destination				
	PURCHASE REQUEST NUMBER: 11151369				
				TARGET COST	(b)(4)
				TARGET FEE	
				TOTAL TGT COST + FEE	
				MINIMUM FEE	
				MAXIMUM FEE	
				SHARE RATIO ABOVE TARGET	
				SHARE RATIO BELOW TARGET	

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	AMOUNT
170001	MIPR 11151369	
	ACRN AA	(b)(4)
	PURCHASE REQUEST NUMBER: 11151369	

(b)(4)

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	AMOUNT
174001	MIPR 11151369  ACRN AA  PURCHASE REQUEST NUMBER: 11151369	(b)(4)
174002	Funding 2 PPWP instances of PWS 10.2.3.7  ACRN AB  PURCHASE REQUEST NUMBER: F3RTCM8235G002	(b)(4)
174003	Incremental Funding  ACRNAC  PURCHASE REQUEST NUMBER: 11286643-0001	(b)(4)

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1760		(b)(4)			(b)(4)

Expensed CAP: COTS IUS  
 CPIF

Contractor purchase of expensed contractor-acquired property (CAP)—specifically commercial-off-the-shelf (COTS) internal use software (IUS)—necessary to provide the services/capabilities identified in the PWS attached to this task order. CAP is defined in FAR 52.245-1. COTS IUS is a subset of IUS as defined in DoDI 5000.76.

Expensed CAP line items were created as an accounting mechanism designed to provide MDA better visibility and linkage of budget, obligation, expenditure, and government property data. Given the need for this level of visibility and linkage, as well as the need to include these costs as an integral component of the incentives, all task order CLINs are combined and considered a single entity for the purpose of administering the cost and performance incentives identified in the IRES PEIP (Contract Attachment J-06).

All share ratios are identified as follows: Government/Contractor. The share ratios are subject to revision in accordance with the IRES PEIP.

NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.

FOB: Destination

PURCHASE REQUEST NUMBER: 11151369

TARGET COST  
 TARGET FEE  
 TOTAL TGT COST + FEE  
 MINIMUM FEE  
 MAXIMUM FEE  
 SHARE RATIO ABOVE TARGET  
 SHARE RATIO BELOW TARGET

(b)(4)

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	AMOUNT
176001		

MIPR 11151369

ACRNAA

(b)(4)

PURCHASE REQUEST NUMBER: 11151369

ITEM NO	SUPPLIES/SERVICES	AMOUNT
1 76002	Incremental Funding	
	ACRN AC	(b)(4)
	PURCHASE REQUEST NUMBER: 11286643-0001	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
7990	Data Delivery FFP The contractor shall deliver all data identified in the contract data requirements lists (CDRL) attached to this task order.  Reference Section G of the basic contract. At the end of the task order period of performance, the contractor shall submit one Invoicing, Receipt, Acceptance, and Property Transfer (iRAPT) receiving report for all data previously delivered. FOB: Destination PURCHASE REQUEST NUMBER: 11151369	1	Lot		NSP

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NET AMT

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
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7991		10	Lot		NSP
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Expensed CAP Delivery  
FFP

Delivery of expensed CAP as required by the IRES Government Property  
Management Task Order.

NOTE: The requirements in DFARS 252.211-7003, Item Identification and  
Valuation, are applicable for this line item. The contractor shall provide DoD  
unique identification or a DoD recognized unique identification equivalent.

FOB: Destination

PURCHASE REQUEST NUMBER: 11151369

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NET AMT

FSC CD: AC23

Section E - Inspection and Acceptance

INSPECTION AND ACCEPTANCE TERMS

Supplies/services will be inspected/accepted at:

CLIN	INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
1700	Destination	Government	Destination	Government
170001	N/A	N/A	N/A	N/A
170002	N/A	N/A	N/A	N/A
1740	Destination	Government	Destination	Government
174001	N/A	N/A	N/A	N/A
174002	N/A	N/A	N/A	N/A
174003	N/A	N/A	N/A	N/A
1760	Destination	Government	Destination	Government
176001	N/A	N/A	N/A	N/A
176002	N/A	N/A	N/A	N/A
7990	Destination	Government	Destination	Government
7991	Destination	Government	Destination	Government

Section F - Deliveries or Performance

DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	DODAAC / CAGE
1700	POP 05-MAR-2018 TO 04-MAR-2019	N/A	N/A FOB: Destination	
170001	N/A	N/A	N/A	N/A
170002	N/A	N/A	N/A	N/A
1740	POP 05-MAR-2018 TO 04-MAR-2019	N/A	N/A FOB: Destination	
174001	N/A	N/A	N/A	N/A
174002	N/A	N/A	N/A	N/A
174003	N/A	N/A	N/A	N/A
1760	POP 05-MAR-2018 TO 04-MAR-2019	N/A	N/A FOB: Destination	
176001	N/A	N/A	N/A	N/A
176002	N/A	N/A	N/A	N/A
7990	04-MAR-2019	1	N/A FOB: Destination	
7991	04-MAR-2019	10	N/A FOB: Destination	

Section G - Contract Administration Data

LIMITATIONS OF FUNDS

LIMITATION OF FUNDS

In accordance with paragraph (b) of FAR 52.232-22, Limitation of Funds, the amount presently available and allotted for payment, the contract line item numbers (CLINs) items covered, and the period of performance (PoP) it is estimated the allotted will cover, are as follows:

CLIN	Cost	Target Fee/Profit	Total	Est. Funding PoP*
1700	(b)(4)			5 Mar 2018 – 4 Mar 2019
1740				5 Mar 2018 – 4 Mar 2019
1760				5 Mar 2018 – 4 Mar 2019
Total				

\*Information timely submitted by the contractor as part of Limitation of Funds notifications, as required by FAR 52.232-22, shall supersede this Est. Funding PoP

The contractor shall invoice all CLINs in accordance with DFARS 252.204-0004 Line Item Specific: by Fiscal Year (SEP 2009).

PRICED PERSPECTIVE WORK PACKAGE

PRICED PERSPECTIVE WORK PACKAGE

Priced Prospective Work Packages (PPWPs) represent potential requirements included in this TRD that are priced and negotiated but not yet awarded. The PPWP may be awarded/executed in accordance with clause H-03, Task Orders at a later date with a bilateral modification to the task order if/when the requirement is ultimately needed and funded. The PPWPs negotiated to date are included in Attachment 2 to the Task Order. The below referenced PPWPs have been executed:

ACCOUNTING AND APPROPRIATION DATA

AA: 02120187018.2020000 A36CC 432169FASP 253F 001 1151369 S.0008248.183.01.02.1 0040202974 021001  
 AMOUNT (b)(4)

AB: 5783400.208.22MD.F30400 010000 44000 11320F 503000 F03000  
 AMOUNT (b)(4)

AC: 02120187018.2020000 A36CC 432169FASP 253F 001 1286643 S.0008248.193.01.02.1 040202974 021001  
 AMOUNT (b)(4)

ACRN	CLIN/SLIN	CIN	AMOUNT
AA	170001	11151369170001	(b)(4)
	174001	11151369174001	
	176001	11151369176001	
AB	174002	F3R TCM8235G0020001	
AC	170002	112866430001	

174003  
176002

112866430002  
112866430003

(b)(4)

CLAUSES INCORPORATED BY REFERENCE

52.232-22      Limitation Of Funds  
252.204-0004      Line Item Specific: by Fiscal Year

APR 1984  
SEP 2009

BILLING INSTRUCTIONS

Payments for CLINs 1700, 1740, and 1760 will be made in accordance with FAR 52.21 67, Allowable Cost and Payment. Payments and the fee payable under the task order are subject to adjustments in accordance with FAR 52.21 6.10, Incentive Fee, and performance assessments conducted in accordance with the IRES Performance Evaluation and Incentive Plan (Attachment J-06).

In accordance with FAR 52.21 6-10(c)(1), the Contractor is authorized to bill fee by contract line item number (CLIN) not to exceed the following  $(b)(4)$  of target fee) x (cost billed against the CLIN to date, including this voucher). Overbilling of fee as a result of this change in the billing instructions shall not be refunded to the Government, unless the overbilling cannot be corrected any other way. Instead, fee shall not be billed until the contractor is no longer in an overbilling status. The Contractor shall show the fee calculation by line item on each voucher. All task order CPIF CLINs are combined and considered a single entity for the purpose of administering the cost and performance incentives identified in the IRES PEIP (Contract Attachment J-06).

WAWF email notifications. In accordance with 252.232-7006, the Contractor shall enter the following email addresses in the "Send Additional Email Notifications" field of WAWF once a document is submitted in the system:

CLIN 7990: (b)(6)@mda.mil  
CLIN 7991: (b)(6)@mda.mil; (b)(6)@mda.mil; (b)(6)@mda.mil

Section I - Contract Clauses

CLAUSES INCORPORATED BY REFERENCE

252.211-7003 Item Unique Identification and Valuation

MAR 2016

Section J - List of Documents, Exhibits and Other Attachments

Exhibit/Attachment Table of Contents

DOCUMENT TYPE	DESCRIPTION	PAGES	DATE
Attachment 1	PWS Rev B_PPWP Execution of 2 Instances	19	30-AUG-2018

# Joint Functional Component Command for Integrated Missile Defense (JFCC IMD) Engineering and Maintenance

## Performance Work Statement

**REV B**

30 August 2018

Task Order Number:	HQ0796-18-F-1500
Period of performance:	5 March 2018 – 4 March 2019
Task order type:	Cost Plus Incentive Fee

Task Order Revision History		
Rev	Description of Changes	Date
Orig	Original PWS	
REV A	Adjusted SSI #1 and #6 weights. Update Exhibit 1. Update CDRL C004. Delete CDRL C006. Update IBR date. Revise section 7.0. Add MST language to paragraph 10.3.2. Add tasks 10.2.3.6 and 10.2.3.7.	18 Jun 2018
REV B	PWS Para 10.2.3.7 – two (2) PPWP instances have been executed with P00002	30Aug 2018

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## **1.0 Purpose**

Maintain and sustain the Joint Functional Component Command Integrated Missile Defense (JFCC-IMD) mission systems and capabilities.

## **2.0 Background**

JFCC-IMD is a tenant command under USSTRATCOM that operates out of the Missile Defense Agency (MDA). Presently, JFCC-IMD resides in the MDIOC, B730 (Rm.222), B720 (Rms.1404-1409), B442 (First Floor), and the JBTEC Facility (Colorado Springs), as well as one other location in Colorado Springs. JFCC-IMD is the Coordinating Authority (CA) for planning and execution of the Network Operations and Defense for BMDS oversight efforts in operational support of USSTRATCOM Unified Command Plan (UCP) mission for matters directly associated with BMDS operations.

Predecessor task orders under JRDC: 9906, 8906, 7906, 6906.

## **3.0 Scope**

Provide facility and information security operations assistance for JFCC-IMD. Sustain mission operations and mission systems and capabilities and upgrade equipment and infrastructure systems supporting JFCC-IMD. Provide customer support for daily activities including, network management, project management and engineering design/implementation, help desk, and Install/Move/Add/Change activities. Perform training and exercise/event support for all IMD spaces. JFCC-IMD locations include the following:

1. Schriever AFB: Building 720 (1404-8/1409/2200), Building 730 (CSF222), Building 442 (Rms100-104),
2. The Metropolitan Area Network (MAN) Site (except for assets or services provided by the 721<sup>st</sup> Communications Squadron),
3. Joint-BMD Training and Education Center (J-BTEC): Atrium II facility, 1150 Academy Park Loop, Colorado Springs, CO (only JFCC IMD owned assets).

**Exhibit 1. JFCC IMD Performance Standard Summary**

<b>JFCC-IMD Operations and Training Support (Task Order 1500) – Response Time Objectives</b>				
<b>Objective Area</b>	<b>Initial Response</b>	<b>ETR</b>	<b>Situation Report</b>	<b>Action Completed</b>
<b>Bldg 720 Rooms 1404-1408, Directors in Bldg 720 Room 1409, CoS and DCO in Bldg 730 Room CSF 222, MAN Site when occupied</b>				
Recurring Maintenance	As Scheduled	N/A	N/A	As Scheduled
Incident Request				
Core Hours	30 min	1 hour	6 hours	24 hours
Non-Core Hours	2 hours	4 hours	6 hours	24 hours
IMAC Services				
- Urgent	N/A	N/A	N/A	3 days*
- Routine	N/A	N/A	N/A	14 days*
Documentation/Drawing Updates	Redline	N/A	N/A	30 days
<b>JBTEC when class or conference in session, Bldg 720 Room 2200</b>				
Recurring Maintenance	As Scheduled	N/A	N/A	As Scheduled
Incident Request				
Core Hours	1 hour	2 hours	Daily	72 hours
Non-Core Hours	2 hours	4 hours	Daily	72 hours
IMAC Services				
Urgent	N/A	N/A	N/A	7 days*
Routine	N/A	N/A	N/A	30 days*
Documentation/Drawing Updates	Redline	N/A	N/A	60 days
<b>Bldg 720 Room 1409, JBTEC when no class or conference in session, MAN Site when unoccupied, Bldg 442 Rooms 100-104, Bldg 730 Room CSF 222</b>				
Recurring Maintenance	As Scheduled	N/A	N/A	As Scheduled
Incident Request				
Core Hours	48 hours	72 hours	N/A	14 days
IMAC Services				
Urgent	N/A	N/A	N/A	7 days*
Routine	N/A	N/A	N/A	30 days*
Documentation/Drawing Updates	Redline	N/A	N/A	90 days
<b>Events &amp; Engineering Projects</b>				
Minor Projects (10.3.1)	N/A	N/A	N/A	90 days
Small Projects (10.3.2)	N/A	N/A	N/A	150 days
Documentation/Drawing Updates	Redline	N/A	N/A	60 days
Note: * Required completion date is based on calendar days following receipt of required materials/equipment				

**4.0 Service Summary Items**

Exhibit 1 provides the Service Summary Items applicable to this task order.

***Exhibit 1. SSIs and Weights Applicable to This Task Order***

SSI#	Title	Description	Performance Threshold UNACCEPTABLE	Performance Threshold ACCEPTABLE	Performance Threshold GOAL	Weight	Assessment Method
SSI 1	(b)(4)						
SSI 2							
SSI 3							
SSI 4							
SSI 5							
SSI 6							

## 5.0 Contract Deliverable Requirements List (CDRL)

The point of delivery for all CDRL products, except as noted in Exhibit C, is the MDA E-CaRT system. The Contractor shall deliver all such products by saving and profiling them in E-CaRT, with the appropriate notification of delivery letter transmitted electronically to the Government's Data Management Office. Reference Exhibit C for specific CDRL delivery instructions.

### 5.1 CDRL Identification

Task	CDRL	DID	Title	Description
10.1	C001	DI-MGMT-81861/T	18F1500: Integrated Program Management Report	Contains data for measuring cost and schedule performance. The IPMR is structured around seven formats that contain the content and relationships required for the electronic submissions.
Reserved	C002			
10.1	C003	DI-MISC-80508B/T	18F1500: Task Order Status Report, [month ending]	Provides significant accomplishments, issues, concerns, lessons learned, financials and risks associated with the task order. Report shall include: <ul style="list-style-type: none"> <li>• A summary of degradations/failures, to include the response times and a root-cause analysis</li> <li>• Any lapses in hardware service agreements or software licenses</li> <li>• A summary of workload data on a quarterly basis</li> <li>• All project closeout documentation to include a project summary, final resource-loaded schedule and an element of cost summary for each project</li> </ul>
10.2.3.1	C004	DI-MISC 80508B	18F1500: Maintenance & Spare Report	Identifies type, location, and frequency of recurring sustainment activities, the sparing methodology used in establishing a "Recommended Spares Requirement List" includes inventory of all spares and the identification of licensing, maintenance agreements, and renewal documentation of hardware and software assets.
10.2.3.2	C005	DI-MISC 80508B	18F1500: Operational Support Documents: Technology Refresh Plan	The Technology Refresh Plan takes into account the formally documented current state of the hardware necessary to execute business functions, deliver services, and maintain the logical relationships between customers, partners, and suppliers. Primarily, this superset will contain the system architecture, the storage architecture, and the network architecture across the enterprise.
Reserved				

Task	CDRL	DID	Title	Description
10.2.4.2, 10.3.1.6, 10.3.2.6	C007	DI-MISC- 80508B/T	18F1500: Engineering Documentation	This CDRL contains engineering documentation which potentially includes some or all of the following components: Slide Package, DoDAF Artifacts, Rack Elevation drawings, Facility Layout drawings, CONOPS, and Requirements Traceability Matrix (RTM), Version Description Documents, and Floor Plans.

## 5.2 CDRL Tailoring

The DD Form 1423 associated with each CDRL is attached in Exhibit C:



## 6.0 Milestones

Task	Activity	Date / Days After Contract (DAC)
5.1.1.3	Baseline Review	120 DAC

Note: DAC = Days after task order period of performance start date

## 7.0 Government Property (GP) / Government Furnished Property (GFP) / Government Furnished Information (GFI) / Contractor Acquired Property (CAP)

- 7.1 In addition to the any GP associated with IRES Contract SOO, paragraph 6.0, the following GP is applicable to this task order:
- None
- 7.2 In addition to the GFP identified on IRES Contract Attachment 5, the following GFP is applicable to this task order:
- None
- 7.3 The following GFI is applicable to this task order:
- None
- 7.4 All CAP shall be managed under the terms and conditions associated with task order 18F8900 – Government Property Management task order.

## 8.0 Special Requirements

In addition to the Special Requirements identified in IRES Contract SOO, paragraph 7.0, the following are applicable to this task order:

- All positions requiring network/system administrator rights/privileges and or conduct information security (Information Assurance) duties must meet DoD certification requirements as outlined in DoDI 8570.01-M (dated March 12, 2014); to include certification on/for specific Operating Systems (OS) and Applications.
- TS/SCI clearances.
- Maintain minimum of 10 personnel with access to the MAN site.
- Core Help Desk Business/Duty Hours are 0730-1600 Mon-Fri

## 9.0 Applicable Directives / Regulations

In addition to the directives and regulations identified in the IRES Contract SOO, paragraph 8.0, the following are applicable to this task order:

Title	Originator	Date
Classified Message Spill Procedure		

## 10.0 Statement of Objectives and Outcomes

The contractor shall perform the following requirements under this task order. Exhibit 1 provides the performance standards (initial response time, estimated time to repair, time to provide a situation report, and time to complete actions).

### 10.1 Task Order Administration

This portion of this PWS contains structure, objectives and outcomes with respect to the administration of the **Task Order**. This PWS element represents the work required to administer the Task Order and the Enterprise Support of the Task Order's work and resources.

#### 10.1.1 Task Order Management

This PWS element represents the work specifically required to support the management of requirements of the overall Task order, which includes all reporting, briefings, awards, modifications, SSIs, etc.

The contractor shall provide the resources and information to communicate and manage task order performance.

#### *Outcomes:*

- Provide a single POC responsible for managing the cost, schedule, risk, and technical performance of the TO.
- Provide a single POC to serve as a liaison to the COTR or Assistant COTR (ACOTR) who is responsible for providing insight on TO performance.

- TO activities are managed in accordance with the IRES Program Management Plan (CDRL TO8002 C008).
- All TO requirements are identified, managed, validated, and verified in accordance with the contractor's IRES Systems Engineering Master Plan.

The contractor shall provide task order reporting to accurately monitor status in accordance with CDRL and Milestone requirements.

*Outcomes:*

- IPMR and TO status report for the TO are delivered per CDRL requirements.
- An Integrated Baseline Review of the TO is performed within 90 days of TO award.
- TO status (e.g., technical, cost, schedule) is reported to the COTR on a monthly basis in accordance with CDRL requirements.
- TO status includes cost and schedule performance by WBS and IRES organization structure; significant accomplishments; customer concerns or issues; TO risks and mitigation status; performance against the IRES contract, SE&PI, and TO SSIs; achievements relative to the utilization goals in the contractor's Small Business Participation and Commitment Plan; quality assurance reviews, audit results, and non-conformance finding closure reports; safety information.
- TO performance trends are identified, tracked and shared with the COTR, ACOTR, and applicable government stakeholders.

#### **10.1.1.2 Responsible Organization Management**

The contractor shall provide qualified personnel and manage personnel issues to perform TO activities.

*Outcomes:*

- The workforce is managed efficiently, mitigating workforce surge and drawdown impacts, analyzing workforce trends, and forecasting workforce needs IRES-wide.
- A trained and qualified workforce is maintained that is able to perform the functions necessary to operate, support, and sustain MDIOC facilities and systems.

The contractor shall maintain accountability of all property under its control and provide reporting to ensure government situational awareness of property status.

*Outcomes:*

- The contractor shall submit a Material Inspection and Receiving Report as required by DFARS 252.246-7000 for the delivery of all CAP classified as Equipment, Special Test Equipment, and Special Tooling by using the Invoicing, Receipt, Acceptance, and Property Transfer (iRAPT) application in the Wide Area Workflow (WAWF) e-Business Suite in accordance with the instructions provided in the CLIN 7991.

#### **10.1.1.3 Administrative Support**

The contractor shall provide resources to manage the contractual requirements, and provide financial oversight and performance tracking for the task order.

*Outcomes:*

- Task Order financial management activities ensure that task order reporting, and accurately reflect the current state of TO financial performance and status.
- TO contractual deliverables are provided within the agreed to schedule, in the correct formats and to a high level of quality.

#### **10.1.2 Enterprise Task Order Support**

This PWS element represents the work of enterprise support to the Task Order's work and resources.

##### **10.1.2.1 Enterprise Management**

The contractor shall provide the resources and data to enable enterprise management of this task order for human resources, business/finance, and JEMS in support of integration.

*Outcomes:*

- IPMR and TO status report for the TO are delivered per CDRL requirements.
- TO status (e.g., technical, cost, schedule) is reported to the COTR on a monthly basis in accordance with CDRL requirements.
- MDA customers and stakeholders have on-demand access to a TO status report dashboard.
- TO export control requirements are managed to comply with DoD and MDA requirements, including International Traffic in Arms Regulations (ITAR) (22 CFR 120-130) and Technical Assistance Agreements processes as required.
- Any individuals requiring access to Government information technology systems have completed Information Assurance Awareness training.
- Personnel performing information assurance functions on national security systems meet the Committee on National Security Systems training requirements.

##### **10.1.2.2 Mission and Performance Assurance**

The contractor shall perform System Engineering functions to ensure the products and services provided under this TO utilize established Systems Engineering practices that are standardized across the IRES contract in support of the MDA mission.

*Outcomes:*

- Deliver an Integrated Master Schedule (IMS), in accordance with Integrated Program Management Report (IPMR) requirements, using the contractor's JEMS Portal.
- The TO IMS is integrated into the contractor's IRES Integrated Schedule (IIS).
- Systems Integration requirements and capabilities gaps, lessons learned, and a common MDIOC system vision are integrated enterprise-wide.
- Critical assets are managed, to include conflict forecasting and de-confliction, across the IRES enterprise.

The contractor shall track, manage and report on TO performance measures, including metrics, lessons learned and accomplishments.

*Outcomes:*

- Based on TO performance trends, periodic audits of task estimates are performed, TO risks are tracked, and schedule accuracy is evaluated.
- All TO CDRLs are delivered on time and with accurate information.
- Customer satisfaction with the services and products delivered in this TO is solicited and tracked.
- TO performance is continuously evaluated and improved using objective performance measures.
- TO lessons learned, best practices, and accomplishments are collected and shared with the COTR, ACOTR, other government stakeholders, and IRES workforce.

The contractor shall incorporate Mission Assurance activities into all TO tasks in support of the MDA mission.

*Outcomes:*

- TO asset configurations are managed in accordance with the IRES Configuration Management Plan (CDRL TO8002 C022).
- TO risks are managed in accordance with the IRES Risk Management Plan (CDRL TO8002 C021).
- The quality of TO activities is assured in accordance with the Quality Assurance Program Plan (CDRL TO8002 C020).
- TO supplies are purchased in accordance with the IRES Supply Chain Risk Management Plan, including the development of a supply chain map and authorized suppliers list for critical systems.

The contractor shall provide information security, physical security, export control and cybersecurity training and processes in accordance with federal, DoD and agency requirements to safeguard the conduct of the MDA mission through the IRES contract.

*Outcomes:*

- MDA-identified Critical Program Information (CPI) and Critical Technologies (CT) are protected to the standards required in DoDI 5200.39
- TO cybersecurity risks are managed in accordance with the Cybersecurity Risk Management Plan (CDRL TO8002 C016).
- All Controlled Unclassified Information is protected from unauthorized access, disclosure, incident, or compromise.
- All contractor-managed TO systems maintain System Authorization in accordance with DoDI 8510.01, Risk Management Framework.
- Cybersecurity requirements and considerations are integrated into TO systems engineering, design, and risk management processes.

- All contractor-managed TO systems are operated in accordance with cybersecurity requirements.
- Security administration is provided to comply with applicable DoD, MDA, and local security directives, policies, procedures, and instructions for physical security and for the safeguarding of BMDS controlled and classified information, to include proper document marking, classification, storage, accountability, transmittal, and destruction.

#### **10.1.2.3 Functional Management and Administrative Support**

The contractor shall provide a functional management oversight structure to lead, manage and assign resources within their organization.

*Outcomes:*

- The Event and Warfighter Support (EWS) Director leads and manages the department to meet IRES and its applicable task orders' requirements.
- The EWS Director delivers IRES products and services which includes the correct people, processes, and tools to meet mission requirements.
- The EWS Directors tactically allocates and strategically forecasts resources within EWS and its applicable task orders to ensure the sustainment, renewal, and growth of the technical expertise within the department that meets current and future requirements.
- The EWS Director mentors and oversees the execution of event engineering, asset operations and sustainment, systems integration, and analysis to ensure the technical success of each task order within the department.

The contractor shall provide functional administrative and management support as required to communicate and deliver enterprise integration.

*Outcomes:*

- The EWS Department provides training, certifications, and career growth of each employee within the department.
- The EWS Department develops, standardizes, and deploys processes for event engineering, asset operations and sustainment, systems integration, and analysis.

#### **10.1.3 Task Order Award and Modification**

The contractor shall provide the resources and data to provide timely and accurate proposals to government requirements for proposal and other contract modification actions.

### **10.2 JFCC IMD Operations and Sustainment**

#### **10.2.1 Scheduling**

The contractor shall facilitate the reporting and scheduling of facility maintenance, inspection, and cleaning requirements that are performed under other IRES task orders and other contracts.

- 10.2.1.1 Coordinate, facilitate, and provide access to the JFCC-IMD footprint for personnel not permanently authorized within the JFCC-IMD footprint, for facility inspections, cleaning crews, VIP visits, project-related visits and inventory activities.
- 10.2.1.2 Set up classified and unclassified VTC equipment and connections
- 10.2.1.3 Coordinate freeze waivers as necessary to minimize and/or eliminate any risk to JFCC-IMD.

### **10.2.2 Information Security**

The contractor shall perform security scans for Global Command and Control Systems – Joint (GCCS-J) and Processing and Display Subsystem Migration (PDS-M) and periodic system audits for GCCS-J.

- 10.2.2.1 Perform monthly scans and system audits on GCCS-J and PDS-M workstations. Results of scans shall be available for the government to review.
- 10.2.2.2 Perform MDA/ICT incident reporting and CMS activities on MDA ULAN and CLAN systems and equipment.
  - Determine CMS instances have been properly researched and contained.
  - Determine the required level and scope of the cleanup effort.
  - Implement each of the detailed steps for the containment and sanitation.
  - Manage the generation and proper handling of all classified reports to stakeholders and ultimately determines to close the CMS ticket.
  - The contractor will perform required activities associated with Classified Message Spill (CMS) instances as defined in the JFCC-IMD Classified Message Spill Procedure, as referenced in PWS paragraph 9.0.

### **10.2.3 Operations Sustainment Engineering**

The contractor shall provide services necessary for the sustainment of mission systems and capabilities. Sustainment activities include network management, configuration management, proactive/corrective maintenance, hardware and software refresh, break/fix service restoration, and engineering services for JFCC-IMD information Technology (IT), Audio Visual (AV), VTC communications systems, and existing mission capabilities. The contractor shall maintain information assurance infrastructure to MDA and DoD standards. The contractor shall maintain all sustainment engineering documentation.

- 10.2.3.1 Maintain and refresh hardware, software and current capabilities in accordance with industry best maintenance practices ensuring an appropriate mix between proactive and corrective maintenance, repair, and replacement to maintain availability of systems, equipment and networks. Document and execute maintenance plans, schedules, and performance expectations. Utilize system performance and maintenance trending analysis to manage the maintenance program.
- 10.2.3.2 Implement an integrated approach to operate and manage IT investments that provides for the continuous identification, selection, control, life-cycle management, and evaluation of

the IT investments in a structured process resulting in a systematic method maximizing the return of IT investments.

- 10.2.3.3 Critical Functional Areas (as defined under Exhibit 1): Maintain continuous situational awareness to anticipate problems and react, to prevent or minimize mission degradation to ensure availability of all mission equipment within critical functional areas. Exhibit agility in response to urgent operational needs and affect management of IT infrastructure and capabilities.

Performance standards (initial response time, estimated time to repair, time to provide a situation report, and time to complete actions) are provided in Exhibit 1.

- 10.2.3.4 Other Functional Area. During core hours, respond to degradations/ failures within 8 hours and within 24 hours provide an estimated timeline associated with service restoral in accordance with contractor-developed ticket escalation procedures. Demonstrate minimal impact to mission while repair activities are initiated, conducted, and completed. Incidents occurring outside of core hours shall be worked the following business day.

Performance standards (initial response time, estimated time to repair, time to provide a situation report, and time to complete actions) are provided in Exhibit 1.

- 10.2.3.5 Maintain currency on software licensing and hardware warranties. Track life cycle information in relation to "Vendor End-of-life/serviceability" and MDA Network Owner "End-of-Net worthiness and support."

- 10.2.3.6 Hardware Upgrade. Upgrade and refresh current IT capabilities. Specific items include desktop replacements, Tactical Data Analysis and Connectivity System (TDACS), Assured Compliance Assessment Solutions (ACAS) and peripherals required to support a Windows 10 upgrade.

- 10.2.3.7 Technical refresh X10 (PPWP). Upgrade and refresh hardware and current capabilities above the established baseline. This PPWP can be executed up to 10 times. Two (2) PPWP instances have been hereby executed with modification P00002.

#### **10.2.4 Customer Support Services**

The contractor shall provide customer support services inclusive of service desk operations, touch-labor client services, conference room AV support, conference and event activities, daily maintenance checks of equipment (to include VTCs), Install/Move/Add/Change (IMAC) services and Engineering services above those service levels provided under other IRES task orders.

- 10.2.4.1 Provide Tier II help desk support during core business hours. Ensure knowledge base maintenance and development enabling first call resolution of help desk calls. Ensure 24/7 2-hour response time for help desk support calls coming from the critical functional areas.

- 10.2.4.2 Provide an on-line work request process/system that allows government personnel to submit, assess, validate, vet, prioritize, approve, track, and evaluate work requests for non-help desk support related activities. Content of contractor response for each request: scope, need-date, identification of POCs, solution, breakout of activities, schedule, cost, and materials. Implement a change request process for schedule changes. Create a categorical binning system for approval and vetting for projects, with respect to urgency and project size. Implement a streamlined/agile process for work requests that require 8 man-hours or less to complete.

### **10.2.5 Configuration Management and Asset Control**

The contractor shall provide facility and equipment configuration control and provide compliant asset management services of assets (equipment, and cell phones), from initial receipt to final disposition and maintain an auditable inventory. The contractor shall implement a mechanism for recording, tracking, and reporting the status of Configuration Items (CIs). The contractor shall examine, evaluate, and monitor baseline HW/SW to maintain version control integrity.

- 10.2.5.1 Maintain positive configuration management control for all facilities, cabling, systems, operating procedures, and assets.
- 10.2.5.2 Develop and provide baselined systems artifacts (e.g., Interface Control Documents, Network Interface Control Documents, schematic, functional system overlay and architectural drawings compliant with DoDAF v2.0, etc.) that clearly diagram and articulate the system or components performance, function, and physical attributes and functional relation between parts, subsystems, and systems.

## **10.3 Events and Engineering Projects**

The Contractor shall provide technical oversight for all phases of project planning, design, scheduling, execution and reporting to ensure technical solutions for events and projects meet their mission, goals, and objectives. The Contractor shall implement solutions, upgrades, enhancements and reconfigurations completing the planning, design, procurement, implementation, documentation and configuration management activities. The contractor shall adjust the outcomes as directed in the TDL/MST based on the scope, complexity, and size of the project.

Annual historical workload data will be provided to establish the baseline for this task.

### **10.3.1 Minor Projects – Baseline**

Minor projects are characterized as those projects that historically include: minimal system configuration changes or upgrades to a limited area (room or cubicle), installing wall monitors, etc. The COTR/COR will issue technical direction letters (TDLs) for all work associated with this task.

- 10.3.1.1 Perform project oversight to include customer coordination and communications and respond to requests for information and problem resolution.

- 10.3.1.2 Plan and develop sequenced, resource-loaded schedules. Identify resources needed to accomplish the project and ensure all resources have the proper work authorizations. Identify risks, work sequencing, critical paths, and procurement lead-times.
- 10.3.1.3 Initiate requirements management activities. Document and track requirements in a Requirements Traceability Matrix (RTM) which identifies specific and derived requirements.
- 10.3.1.4 Develop design solutions and conduct design reviews (preliminary and final) for government approval. Participate in required MDIOC review boards (Design Review Board, Engineering and Architecture Board).
- 10.3.1.5 Execute tasking instructions as detailed in approved RTM, design plans, and milestone schedules.
- 10.3.1.6 Develop, maintain, and coordinate technical documentation to include Technical Data Packages, engineering drawings, and interface control specifications for existing systems that require documentation or as a result of newly developed and/or modified systems. Ensure fully coordinated, redlined change documents are available for the government user and service technicians at customer turnover date.  
  
Performance standards (initial response time, estimated time to repair, time to provide a situation report, and time to complete actions) are provided in Exhibit 1.
- 10.3.1.7 Execute a project change management process.
- 10.3.1.8 Complete project close out activities.

### **10.3.2 Small Projects – Baseline**

Small projects are characterized as those projects that historically include: providing a video sharing capability; upgrading the GCCS-J Suite, and executing the all machines to Window 10.

Each small project shall be defined through a Mission Support Task (MST). After the MST is issued the contractor shall provide an engineering estimate, engineering artifacts, and implementation plan to the COTR as outlined in the MST. Upon stakeholder agreement the Contracting Officer will provide an authority to proceed for the contractor to execute and complete the project. The contractor shall establish a discrete work package for each MST. All MSTs will be added as an attachment to the PWS. The Task Change Requirement (TCR) process shall be followed when there is a need to document and communicate a potential cost, schedule, or requirements change to the MST.

- 10.3.2.1 Perform project oversight to include customer coordination and communications and respond to requests for information and problem resolution.

- 10.3.2.2 Plan and develop sequenced, resource-loaded schedules. Identify resources needed to accomplish the project and ensure all resources have the proper work authorizations. Identify risks, work sequencing, critical paths, and procurement lead-times.
- 10.3.2.3 Initiate requirements management activities. Document and track requirements in a Requirements Traceability Matrix (RTM) which identifies specific and derived requirements.
- 10.3.2.4 Develop design solutions and conduct design reviews (preliminary and final) for government approval. Participate in required MDIOC review boards (Design Review Board, Engineering and Architecture Board).
- 10.3.2.5 Execute tasking instructions as detailed in approved RTM, design plans, and milestone schedules.
- 10.3.2.6 Develop, maintain, and coordinate technical documentation to include Technical Data Packages, engineering drawings, and interface control specifications for existing systems that require documentation or as a result of newly developed and/or modified systems. Ensure fully coordinated, redlined change documents are available for the government user and service technicians at customer turnover date.  
  
Performance standards (initial response time, estimated time to repair, time to provide a situation report, and time to complete actions) are provided in Exhibit 1.
- 10.3.2.7 Execute a project change management process.
- 10.3.2.8 Complete project close out activities.

### **10.3.3 PPWP: Minor Project Surge**

Execute an additional Minor project (reference ¶10.3.1). This PPWP can be executed up to 10 times.

### **10.3.4 PPWP: Small Project Surge**

Execute an additional Small project (reference ¶10.3.2). This PPWP can be executed up to 5 times.

<b>ORDER FOR SUPPLIES OR SERVICES</b>										PAGE 1 OF 14			
1. CONTRACT/PURCH. ORDER/AGREEMENT NO. HQ079617D0001			2. DELIVERY ORDER/CALL NO. HQ079618F3100P00008		3. DATE OF ORDER/CALL (YYYYMMDD) 2018 Feb 23		4. REQ. PURCH. REQUEST NO. See Schedule		5. PRIORITY  DX-C9				
6. ISSUED BY MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300			CODE HQ0796		7. ADMINISTERED BY (if other than 6) DCMA HUNTSVILLE 1040 RESEARCH BLVD SUITE 100 MADISON AL 35758-2040			CODE S0107A		8. DELIVERY FOB <input checked="" type="checkbox"/> DESTINATION <input type="checkbox"/> OTHER  (See Schedule if other)			
9. CONTRACTOR JACOBS TECHNOLOGY INC. 550 WILLIAM NORTHERN BLVD. TULLAHOMA TN 37388-4727 NAME AND ADDRESS			CODE 7EBK3		FACILITY		10. DELIVER TO FOR POINT BY (Date) (YYYYMMDD) <b>SEE SCHEDULE</b>		11. MARK IF BUSINESS IS <input type="checkbox"/> SMALL <input type="checkbox"/> SMALL DISADVANTAGED <input type="checkbox"/> WOMEN-OWNED				
							12. DISCOUNT TERMS		13. MAIL INVOICES TO THE ADDRESS IN BLOCK See Item 15				
14. SHIP TO MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300			CODE HQ0796		15. PAYMENT WILL BE MADE BY FAS COLUMBUS CENTER SOUTH ENTITLEMENT OPERATIONS P. O. BOX 182264 COLUMBUS OH 43218-2264			CODE HQ0338		MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2.			
16. TYPE OF ORDER		DELIVERY/ CALL		<input checked="" type="checkbox"/> X		This delivery order/call is issued on another Government agency or in accordance with and subject to terms and conditions of above numbered contract.							
		PURCHASE				Reference your quote dated Furnish the following on terms specified herein, REF:							
ACCEPTANCE. THE CONTRACTOR HEREBY ACCEPTS THE OFFER REPRESENTED BY THE NUMBERED PURCHASE ORDER AS IT MAY PREVIOUSLY HAVE BEEN OR IS NOW MODIFIED, SUBJECT TO ALL OF THE TERMS AND CONDITIONS SET FORTH, AND AGREES TO PERFORM THE SAME.													
NAME OF CONTRACTOR				SIGNATURE				TYPED NAME AND TITLE				DATE SIGNED (YYYYMMDD)	
<input checked="" type="checkbox"/> If this box is marked, supplier must sign Acceptance and return the following number of copies: 1													
17. ACCOUNTING AND APPROPRIATION DATA/ LOCAL USE  See Schedule													
18. ITEM NO.		19. SCHEDULE OF SUPPLIES/ SERVICES				20. QUANTITY ORDERED/ ACCEPTED*		21. UNIT		22. UNIT PRICE		23. AMOUNT	
		SEE SCHEDULE											
* If quantity accepted by the Government is same as quantity ordered, indicate by X. If different, enter actual quantity accepted below quantity ordered and encircle.						24. UNITED STATES OF AMERICA TEL (b)(6) ENA (b)(6) mda.mil BY (b)(6)		25. TOTAL		\$2,525,604.00 EST		26. DIFFERENCES	
27a. QUANTITY IN COLUMN 20 HAS BEEN <input type="checkbox"/> INSPECTED <input type="checkbox"/> RECEIVED <input type="checkbox"/> ACCEPTED, AND CONFORMS TO THE CONTRACT EXCEPT AS NOTED													
b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE						c. DATE (YYYYMMDD)		d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE					
e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE						28. SHIP NO.		29. DO VOUCHER NO.		30. INITIALS			
f. TELEPHONE NUMBER						g. E-MAIL ADDRESS							
36. I certify this account is correct and proper for payment.						<input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL		32. PAID BY		33. AMOUNT VERIFIED CORRECT FOR			
a. DATE (YYYYMMDD)		b. SIGNATURE AND TITLE OF CERTIFYING OFFICER				31. PAYMENT <input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL				34. CHECK NUMBER			
										35. BILL OF LADING NO.			
37. RECEIVED AT		38. RECEIVED BY		39. DATE RECEIVED (YYYYMMDD)		40. TOTAL CONTAINERS		41. S/R ACCOUNT NO.		42. S/R VOUCHER NO.			

Section B - Supplies or Services and Prices

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1700		(b)(4)			(b)(4)

Services/Capabilities  
CPIF

The contractor shall provide all services/capabilities identified in the performance work statement (PWS) attached to this task order. All task order costs, other than those specifically included in another contract line item number (CLIN), are included in this CLIN. PPWP: PWS 10.5.3 - Minor Projects, executed 4 times and PWS 10.5.4 - Small Projects, executed 2 times. Both were executed on P00007.

All share ratios are identified as follows: Government Contractor. The share ratios are subject to revision in accordance with the IRES Performance Evaluation and Incentive Plan (Contract Attachment J-06).

FOB: Destination

PURCHASE REQUEST NUMBER: HQ0147863324

TARGET COST  
TARGET FEE

TOTAL TGT COST + FEE  
MINIMUM FEE  
MAXIMUM FEE

SHARE RATIO ABOVE TARGET  
SHARE RATIO BELOW TARGET

(b)(4)

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	AMOUNT
170001		

Incremental Funding

ACRN AA

PURCHASE REQUEST NUMBER: HQ0147863324

(b)(4)

HQ079617D0001

HQ079618F3100P00008

Page 3 of 14

ITEM NO	SUPPLIES/SERVICES	AMOUNT
170002	PPWP 10.5.3 (4x) and 10.5.4 (2x)	
	ACRN AA	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863324-0006	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1740		(b)(4)			(b)(4)

Expensed CAP: IT HW/Equip  
CPIF

Contractor purchase of expensed contractor-acquired property (CAP)—specifically information technology (IT) hardware (HW)/equipment (equip)—necessary to provide the services/capabilities identified in the PWS attached to this task order. CAP is defined in FAR 52.245-1. IT hardware/equipment is a subset of equipment as defined in DoDI 5000.64. PPWP: PWS 10.5.3 - Minor Projects, executed 4 times, and PWS 10.5.4 - Small Projects, executed 2 times. Both were executed on P00007.

Expensed CAP line items were created as an accounting mechanism designed to provide MDA better visibility and linkage of budget, obligation, expenditure, and government property data. Given the need for this level of visibility and linkage, as well as the need to include these costs as an integral component of the incentives, all task order CLINs combined and considered a single entity for the purpose of administering the cost and performance incentives identified in the IRES PEIP (Contract Attachment J-06).

(b)(4) All share ratios are identified as follows: Government (b)(4) Contractor. The share ratios are subject to revision in accordance with the IRES PEIP. (b)(4)

NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.

FOB: Destination

PURCHASE REQUEST NUMBER: HQ0147863324

TARGET COST  
TARGET FEE  
TOTAL TGT COST + FEE  
MINIMUM FEE  
MAXIMUM FEE  
SHARE RATIO ABOVE TARGET  
SHARE RATIO BELOW TARGET

(b)(4)

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	AMOUNT
174001	Incremental Funding	
	ACRNAA	(b)(4)
	PURCHASE REQUEST NUMBER: HQ01 47863324	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
174002	PPWP 10.5.3 (4x) and 10.5.4 (2x)	
	ACRNAB	(b)(4)
	PURCHASE REQUEST NUMBER: HQ01 47863324-0006	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1760		(b)(4)			(b)(4)

Expensed CAP: COTS IUS  
CPIF

Contractor purchase of expensed contractor-acquired property (CAP)—specifically commercial-off-the-shelf (COTS) internal use software (IUS)—necessary to provide the services/capabilities identified in the PWS attached to this task order. CAP is defined in FAR 52.245-1. COTS IUS is a subset of IUS as defined in DoDI 5000.76.

Expensed CAP line items were created as an accounting mechanism designed to provide MDA better visibility and linkage of budget, obligation, expenditure, and government property data. Given the need for this level of visibility and linkage, as well as the need to include these costs as an integral component of the incentives, all task order CLINs are combined and considered a single entity for the purpose of administering the cost and performance incentives identified in the IRES PEIP (Contract Attachment J-06).

All share ratios are identified as follows: Government Contractor. The share ratios are subject to revision in accordance with the IRES PEIP.

NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.

FOB: Destination

PURCHASE REQUEST NUMBER: HQ0147863324

TARGET COST  
TARGET FEE  
TOTAL TGT COST + FEE  
MINIMUM FEE  
MAXIMUM FEE  
SHARE RATIO ABOVE TARGET  
SHARE RATIO BELOW TARGET

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	AMOUNT
176001	Incremental Funding	
	ACR NAA	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863324	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
7990	Data FFP The contractor shall deliver all data identified in the contract data requirements lists (CDRL) attached to this task order.  Reference Section G of the basic contract. At the end of the task order period of performance, the contractor shall submit one Invoicing, Receipt, Acceptance, and Property Transfer (iRAPT) receiving report for all data previously delivered.  NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent. FOB: Destination PURCHASE REQUEST NUMBER: HQ0147863324	1	Lot		NSP

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NET AMT

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
7991		1	Lot		NSP

Expensed CAP Delivery  
FFP

Delivery of expensed CAP as required by the IRES Government Property  
Management Task Order.

NOTE: The requirements in DFARS 252.211-7003, Item Identification and  
Valuation, are applicable for this line item. The contractor shall provide DoD  
unique identification or a DoD recognized unique identification equivalent.

FOB: Destination

PURCHASE REQUEST NUMBER: HQ0I47863324

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NET AMT

FSC CD: AC23

## Section E - Inspection and Acceptance

## INSPECTION AND ACCEPTANCE TERMS

Supplies/services will be inspected/accepted at:

CLIN	INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
1700	Destination	Government	Destination	Government
170001	N/A	N/A	N/A	N/A
170002	N/A	N/A	N/A	N/A
1740	Destination	Government	Destination	Government
174001	N/A	N/A	N/A	N/A
174002	N/A	N/A	N/A	N/A
1760	Destination	Government	Destination	Government
176001	N/A	N/A	N/A	N/A
7990	Destination	Government	Destination	Government
7991	Destination	Government	Destination	Government

## Section F - Deliveries or Performance

## DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	DODAAC / CAGE
1700	POP 05-MAR-2018 TO 04-MAR-2019	N/A	MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 FOB: Destination	HQ0796
170001	N/A	N/A	N/A	N/A
170002	N/A	N/A	N/A	N/A
1740	POP 05-MAR-2018 TO 04-MAR-2019	N/A	MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 FOB: Destination	HQ0796
174001	N/A	N/A	N/A	N/A
174002	N/A	N/A	N/A	N/A
1760	POP 05-MAR-2018 TO 04-MAR-2019	N/A	MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 FOB: Destination	HQ0796
176001	N/A	N/A	N/A	N/A
7990	04-MAR-2019	1	MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 FOB: Destination	HQ0796
7991	04-MAR-2019	1	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796

## Section G - Contract Administration Data

## ACCOUNTING AND APPROPRIATION DATA

AA: 044411 097 0100 000 N 2018 2018 D 2520 2P\_SO08P\_FY18 GM-GMS-FY1818 71GM 257  
 AMOUNT: (b)(4)

AB: 044411 097 0100 000 N 2018 2018 D 2520 2P\_SO08P\_FY18 GM-GMS-FY1818 71GM 310  
 AMOUNT: (b)(4)

ACRN	CLIN/SLIN	CIN	AMOUNT
AA	170001	HQ01478633241000	(b)(4)
	170002	HQ01478633240004	
	174001	HQ01478633241740	
	176001	HQ01478633241741	
AB	174002	HQ01478633240005	

## BILLING INSTRUCTIONS

Payments for CLINs 1700, 1740, and 1760 will be made in accordance with FAR 52.216-7, Allowable Cost and Payment. Payments and the fee payable under the task order are subject to adjustments in accordance with FAR 52.216-10, Incentive Fee, and performance assessments conducted in accordance with the IRES Performance Evaluation and Incentive Plan (Attachment J-06).

(b)(4) In accordance with FAR 52.216-10(c)(1), the Contractor is authorized to bill fee by contract line item number (CLIN) not to exceed the following: (b)(4) of target fee) x (cost billed against the CLIN to date, including this voucher). Overbilling of fee as a result of this change in the billing instructions shall not be refunded to the Government, unless the overbilling cannot be corrected any other way. Instead, fee shall not be billed until the contractor is no longer in an overbilling status. The Contractor shall show the fee calculation by line item on each voucher. All task order CPIF CLINs are combined and considered a single entity for the purpose of administering the cost and performance incentives identified in the IRES PEIP (Contract Attachment J-06).

WAWF email notifications. In accordance with 252.232-7006, the Contractor shall enter the following email addresses in the "Send Additional Email Notifications" field of WAWF once a document is submitted in the system:

CLIN 7990 (b)(6)@mda.mil  
 CLIN 7991 (b)(6)@mda.mil; (b)(6)@mda.mil; (b)(6)@mda.mil

Section H - Special Contract Requirements

CLAUSES INCORPORATED BY FULL TEXT

Due to a problem with a software upgrade to the contract writing system, this modification contains a summary of changes error regarding target price. Therefore, for the purposes of this modification, the conformed contract will govern.

## Section I - Contract Clauses

## CLAUSES INCORPORATED BY REFERENCE

52.232-22	Limitation Of Funds	APR 1984
252.211-7003	Item Unique Identification and Valuation	MAR 2016

## CLAUSES INCORPORATED BY FULL TEXT

252.204-0003 LINE ITEM SPECIFIC: CONTRACTING OFFICER SPECIFIED ACRN ORDER. (SEP 2009)

The payment office shall make payment within the line item in the sequence ACRN order specified below, exhausting all funds in the previous ACRN before paying from the next ACRN.

Line Item	ACRN Order
CLIN 1700	AA
CLIN 1740	AA
	AB
CLIN 1760	AA

(End of clause)

LIMITATION OF FUNDSLIMITATION OF FUNDS

In accordance with paragraph (b) of FAR 52.232-22, Limitation of Funds, the amount presently available and allotted for payment, the contract line item numbers (CLINs) items covered, and the period of performance (PoP) it is estimated the allotted amount will cover, are as follows:

CLIN	Cost	Fee/Profit	Total	Est. Funding PoP
1700	(b)(4)			Fully Funded
1740				Fully Funded
1760				Fully Funded

PRICED PERSPECTIVE WORK PACKAG

Priced Prospective Work Packages (PPWPs) represent potential requirements included in this TRD that are priced and negotiated but not yet awarded. The PPWP may be awarded/executed in accordance with clause H-03, Task Orders at a later date with a bilateral modification to the task order if/when the requirement is ultimately needed and funded. The PPWPs negotiated to date are included in Attachment 2 to the Task Order. The below referenced PPWPs have been executed:

PWS 10.5.3 – Minor Projects, 4 times on P0007

PWS 10.5.4 – Small Projects 2 times on P0007

## Section J - List of Documents, Exhibits and Other Attachments

## Exhibit/Attachment Table of Contents

DOCUMENT TYPE	DESCRIPTION	PAGES	DATE
Attachment 1	02 20180912 18F3100 03 27 PWS		12-SEP-2018
Attachment 2	20180912 3100-07 Attch 1 2 PPWP List		12-SEP-2018



## **PERFORMANCE WORK STATEMENT**

**Missile Defense Agency (MDA)  
Integrated Research & Development for Enterprise Solutions (IRES)**

**Contract Number: HQ079617D0001**

**Task Order Title: Ground-Based Midcourse Defense (GMD) Operations and  
Training Support**

**Task Order Number: HQ079618F3100**

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### Task Order Revision History

Version	Date	Mod #	Change Description
Original	Mar 5, 2018	Award	N/A
Rev A	Jun 18, 2018	P00003	Adjust SSI #1 and #6 weights. Update 7.0. Add MST language to 10.5.2. Delete CDRL C006 and C007. Update IBR date.
PPWP	Sept 12 2018	P00007	Execute PPWPs (10.5.3, 4 x and 10.5.4 2x)

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## **1.0 Purpose**

The purpose of the Ground-Based Midcourse Defense (GMD) Operations and Training Task Order is to provide the resources (personnel, information systems, software applications, infrastructure, and communication networks) to support operations, sustainment, and development of fielded GMD sites, contributing to the Missile Defense Agency (MDA) mission to develop and deploy an integrated, global Ballistic Missile Defense System (BMDS).

## **2.0 Background**

Task orders issued on the Joint National Integration Center (JNIC) Research and Development Contract (JRDC) that are considered predecessor task orders to this Performance Work Statement (PWS) include:

- 8800, GMD Operations and Training
- 6800, GMD Test and Operations Support
- 5800, GMD Test and Operations Support
- 4800, GMD Test and Operations
- 3800, GMD Test and Operations
- 2800, GMD Test and Operations

GMD is an MDA organization with several operational, training, and development areas (approximately 32,000 square feet total) within the Missile Defense Integration and Operations Center (MDIOC) building 720 at Schriever AFB. As such, MDA provides basic tenant support services including BMDS baseline integrity and overall mission assurance within the MDIOC facility. This task order basically provides for GMD mission unique support requirements and services above MDA standard IT Services. The task order is funded from an Operations and Maintenance appropriation; however, special one-time requirements may be funded from RDT&E sources.

## **3.0 Scope**

This task order provides the contract vehicle to obtain all necessary labor, services, equipment, and materials required to operate, sustain, and upgrade MDA equipment and infrastructure systems supporting the GMD program. IRES services determined to be outside of the baseline IT service coverage of the EITS task order or above standard MDA standards IT Services will be executed through this task order. This task order also provides a mechanism to execute facility modification requests, engineering projects, and major event support.

Task order requirements are typically limited to GMD activities at the MDIOC, however, similar requirements at other GMD fielded sites may be executed under this task order [including but not limited to Cheyenne Mountain AFS (CMAFS), Peterson AFB (PAFB), Fort Greely, AK (FGA), Fort Drum, NY (FDN), and Vandenberg AFB, CA (VAFB)] on an as required basis.

## **4.0 Service Summary Items**

Exhibit 1 provides the Service Summary Items applicable to this task order.

*Exhibit 1. SSIs and Weights Applicable to This Task Order*

SSI #	Title	Description	Performance Threshold UNACCEPABLE	Performance Threshold ACCEPTABLE	Performance Threshold OBJECTIVE	Weight	Assessment Method
SSI 1	(b)(4)						
SSI 2							
SSI 3							

SSI #	Title	Description	Performance Threshold UNACCEPABLE	Performance Threshold ACCEPTABLE	Performance Threshold OBJECTIVE	Weight	Assessment Method
	(b)(4)						
SSI 4							
SSI 5							
SSI 6							

SSI #	Title	Description	Performance Threshold UNACCEPABLE	Performance Threshold ACCEPTABLE	Performance Threshold OBJECTIVE	Weight	Assessment Method
	(b)(4)						

## 5.0 Contract Deliverable Requirements List (CDRL)

The point of delivery for all CDRL products, except as noted in Exhibit C, is the MDA E-CaRT system. The Contractor shall deliver all such products by saving and profiling them in E-CaRT, with the appropriate notification of delivery letter transmitted electronically to the Government's Data Management Office. Reference Exhibit C for specific CDRL delivery instructions.

### 5.1 CDRL Identification

Task	CDRL	DID	Title	Description
10.1	C001	DI-MGMT-81861A/T	18F3100: IMPR [MMM-YYYY], DFARS EVMS NA	Contains data for measuring cost and schedule performance. The IPMR is structured around seven formats that contain the content and relationships required for the electronic submissions.
Reserved	C002			
10.1	C003	DI-MISC-80508B/T	18F3100: Task Order Status Report (TOSR), [month ending]	Provides significant accomplishments, issues, concerns, lessons learned, and risks associated with the task order. The report shall include: <ul style="list-style-type: none"> <li>• A summary of all completed and open procurement actions with associated request and delivery dates</li> <li>• A summary of all maintenance actions scheduled during the period and completion status</li> <li>• A summary of all incident requests, associated response times, and root cause analysis</li> <li>• A summary of all work requests and associated response times</li> <li>• A summary of all active projects to include project identifier, work description, submission date, need date, planned/actual turnover date, change request number(s), and estimated/actual cost of the project</li> <li>• Project closeout summaries that contains the final resource-loaded schedule and an element of cost summary for each project</li> </ul>
10.2.2.1 10.3.2.1 10.4.2.1	C004	DI-MISC-80508B/T	18F3100: Maintenance and Spare Report	Identifies all recurring maintenance/sustainment tasks planned during the current period of performance. Report should identify specific actions by room, system, or rack, and include task description and

Task	CDRL	DID	Title	Description
				frequency. The report should also identify recommended spare equipment inventory levels based upon mission criticality, frequency of use, or long-lead time/obsolescence criteria. Includes inventory of all spares and the identification of licensing, maintenance agreements, and renewal documentation of hardware and software assets.
10.2.2.2 10.3.2.2 10.4.2.2	C005	DI- MISC- 80508B/T	18F3100: Technology Refresh Plan	Provides a summary report of all equipment items maintained by the contractor; the report shall include at a minimum: make, model number, quantity, age of item(s), recommended replacement date, replacement criticality, and an estimated cost for replacement item(s).
Reserved	C006			
Reserved	C007			
10.2.2.4 10.3.2.4 10.4.2.4	C008	DI- MISC- 80508B/T	18F3100: Facility Configuration Report	Provides a report on the “as built” configuration of all the facilities the contractor maintains to include requirements, functional layouts, ADPE configuration, and network connectivity. The report should include an appendix with a summary of all projects completed or in progress during the previous period of performance. The report should also include an appendix of all drawings and other configuration control documents maintained under the task order.
10.2.2.4 10.3.2.4 10.4.2.4 10.5.1.7 10.5.2.7	C009	DI- MISC- 80508B/T	18F1500, [Event or Project Title]: Engineering Documentation	Provides detailed project and engineering documentation to include the following components as applicable: project request and change orders, requirements traceability matrix (RTM), version description documents, slide packages, DoDAF artifacts, rack elevation drawings, facility construction drawings, and floor plans.

## 5.2 CDRL Tailoring

The DD Form 1423 associated with each CDRL is attached in Exhibit C:.



## 6.0 Milestones

Task	Activity	Date / Days After Contract (DAC)
5.1.1.3	Baseline Review	120 DAC
	Task Order Status Review	Monthly

Note: DAC = Days after task order period of performance start date

## 7.0 Government Property (GP) / Government Furnished Property (GFP) / Government Furnished Information (GFI) / Contractor Acquired Property (CAP)

7.1 In addition to the any GP associated with IRES Contract SOO, paragraph 6.0, the following GP is applicable to this task order:

- None

7.2 In addition to the GFP identified on IRES Contract Attachment 5, the following GFP is applicable to this task order:

- None

7.3 The following GFI is applicable to this task order:

- None

7.4 All CAP shall be managed under the terms and conditions associated with task order 18F8900 – Government Property Management task order.

## 8.0 Special Requirements

In addition to the Special Requirements identified in IRES Contract SOO, paragraph 7.0, the following are applicable to this task order:

- The task order shall be executed in accordance with MDA Security Classification Guidance with day to day activities conducted in areas designated at the SECRET level.
- The contractor should have emergency response capability to the Missile Defense Element (MDE) Sensitive Compartmented Information Facility (SCIF) at a TOP SECRET level; note that most task order requirements in the MDE SCIF can be conducted at the SECRET level with an authorized escort (TS/SCI required).
- Certain GMD areas are designated System Security Level A (SSL-A) for physical protection; access to these areas will be granted to a limited number of personnel with a permanent SECRET security clearance.
- The contractor must follow current risk management framework requirements IAW DoD Instruction 8510.01.

## 9.0 Applicable Directives / Regulations

In addition to the directives and regulations identified in the IRES Contract SOO, paragraph 8.0, the following are applicable to this task order:

Title	Originator	Date
None		

## 10.0 Performance Work Statement

The contractor shall perform the following requirements under this task order. Exhibit 2 provides the performance standards (initial response time, estimated time to repair, time to provide a situation report, and time to complete actions).

*Exhibit 2. Performance Standard Summary*

Objective Area	Applicable Paragraph(s)	Initial Response	Estimated Time to Repair	Situation Report	Action Completed
<b>10.2GMD Operations Sustainment</b>					
Recurring Maintenance	10.2	As Scheduled	N/A	N/A	As Scheduled
Incident Request	10.2.3.2				
• Mission Critical, Core Hours		30 min	1 hour	6 hours	24 hours
• Mission Critical, Non-Core Hours		2 hours	4 hours	6 hours	24 hours
• Non-Critical		8 hours	24 hours	N/A	72 hours
Install/Move/Add/Change (IMAC) Services	10.2.3.3				
• Urgent		N/A	N/A	N/A	3 days*
• Routine		N/A	N/A	N/A	14 days*
Documentation/Drawing Updates	10.2.2.4	Redline	N/A	N/A	30 days
<b>10.3GMD Training &amp; Exercise Sustainment</b>					
Recurring Maintenance	10.3	As Scheduled	N/A	N/A	As Scheduled
Incident Request	10.3.3.2				
• Core Hours		1 hour	2 hours	Daily	72 hours
• Non-Core Hours		2 hours	4 hours	Daily	72 hours
• Non-Critical		24 hours	48 hours	N/A	14 days
IMAC Services	10.3.3.3				
• Urgent		N/A	N/A	N/A	7 days*
• Routine		N/A	N/A	N/A	30 days*

Objective Area	Applicable Paragraph(s)	Initial Response	Estimated Time to Repair	Situation Report	Action Completed
Documentation/Drawing Updates	10.3.2.4	Redline	N/A	N/A	60 days
<b>10.4 General GMD Support &amp; Sustainment</b>					
Recurring Maintenance	10.4	As Scheduled	N/A	N/A	As Scheduled
Incident Request	10.4.3.2				
• Non-Critical		48 hours	72 hours	N/A	14 days
IMAC Services	10.4.3.3				
• Urgent		N/A	N/A	N/A	7 days*
• Routine		N/A	N/A	N/A	30 days*
Documentation/Drawing Updates	10.4.2.4	Redline	N/A	N/A	90 days
<b>10.4 Events &amp; Engineering Projects</b>					
Minor Project	10.5.1	N/A	N/A	N/A	90 days
Small Project	10.5.2	N/A	N/A	N/A	150 days
Documentation/Drawing Updates	10.5.1.7 10.5.2.7	Redline	N/A	N/A	60 days
* Number of days to complete action excludes procurement delivery time.					

## 10.1 Task Order Administration

This portion of this PWS contains structure, objectives and outcomes with respect to the administration of the **Task Order**. This PWS element represents the work required to administer the Task Order and the Enterprise Support of the Task Order's work and resources.

### 10.1.1 Task Order Management

This PWS element represents the work specifically required to support the management of requirements of the overall Task order, which includes all reporting, briefings, awards, modifications, SSIs, etc.

The contractor shall provide the resources and information to communicate and manage task order performance.

#### *Outcomes:*

- Provide a single POC responsible for managing the cost, schedule, risk, and technical performance of the TO.
- Provide a single POC to serve as a liaison to the COTR or Assistant COTR (ACOTR) who is responsible for providing insight on TO performance.

- TO activities are managed in accordance with the IRES Program Management Plan (CDRL TO8002 C008).
- All TO requirements are identified, managed, validated, and verified in accordance with the contractor's IRES Systems Engineering Master Plan.
- The contractor shall provide task order reporting to accurately monitor status in accordance with CDRL and Milestone requirements.

*Outcomes:*

- IPMR and TO status report for the TO are delivered per CDRL requirements.
- An Integrated Baseline Review of the TO is performed within 90 days of TO award.
- TO status (e.g., technical, cost, schedule) is reported to the COTR on a monthly basis in accordance with CDRL requirements.
- TO status includes cost and schedule performance by WBS and IRES organization structure; significant accomplishments; customer concerns or issues; TO risks and mitigation status; performance against the IRES contract, SE&PI, and TO SSIs; achievements relative to the utilization goals in the contractor's Small Business Participation and Commitment Plan; quality assurance reviews, audit results, and non-conformance finding closure reports; safety information.
- TO performance trends are identified, tracked and shared with the COTR, ACOTR, and applicable government stakeholders.

#### **10.1.1.2 Responsible Organization Management**

The contractor shall provide qualified personnel and manage personnel issues to perform TO activities.

*Outcomes:*

- The workforce is managed efficiently, mitigating workforce surge and drawdown impacts, analyzing workforce trends, and forecasting workforce needs IRES-wide.
- A trained and qualified workforce is maintained that is able to perform the functions necessary to operate, support, and sustain MDIOC facilities and systems.

The contractor shall maintain accountability of all property under its control and provide reporting to ensure government situational awareness of property status.

*Outcomes:*

- The contractor shall submit a Material Inspection and Receiving Report as required by DFARS 252.246-7000 for the delivery of all CAP classified as Equipment, Special Test Equipment, and Special Tooling by using the Invoicing, Receipt, Acceptance, and Property Transfer (iRAPT) application in the Wide Area Workflow (WAWF) e-Business Suite in accordance with the instructions provided in the CLIN 7991.

### **10.1.1.3 Administrative Support**

The contractor shall provide resources to manage the contractual requirements, and provide financial oversight and performance tracking for the task order.

*Outcomes:*

- Task Order financial management activities ensure that task order reporting, and accurately reflect the current state of TO financial performance and status.
- TO contractual deliverables are provided within the agreed to schedule, in the correct formats and to a high level of quality.

### **10.1.2 Enterprise Task Order Support**

This PWS element represents the work of enterprise support to the Task Order's work and resources.

#### **10.1.2.1 Enterprise Management**

The contractor shall provide the resources and data to enable enterprise management of this task order for human resources, business/finance, and JEMS in support of integration.

*Outcomes:*

- IPMR and TO status report for the TO are delivered per CDRL requirements.
- TO status (e.g., technical, cost, schedule) is reported to the COTR on a monthly basis in accordance with CDRL requirements.
- MDA customers and stakeholders have on-demand access to a TO status report dashboard.
- TO export control requirements are managed to comply with DoD and MDA requirements, including International Traffic in Arms Regulations (ITAR) (22 CFR 120-130) and Technical Assistance Agreements processes as required.
- Any individuals requiring access to Government information technology systems have completed Information Assurance Awareness training.
- Personnel performing information assurance functions on national security systems meet the Committee on National Security Systems training requirements.

#### **10.1.2.2 Mission and Performance Assurance**

The contractor shall perform System Engineering functions to ensure the products and services provided under this TO utilize established Systems Engineering practices that are standardized across the IRES contract in support of the MDA mission.

*Outcomes:*

- Deliver an Integrated Master Schedule (IMS), in accordance with Integrated Program Management Report (IPMR) requirements, using the contractor's JEMS Portal.

- The TO IMS is integrated into the contractor's IRES Integrated Schedule (IIS).
- Systems Integration requirements and capabilities gaps, lessons learned, and a common MDIOC system vision are integrated enterprise-wide.
- Critical assets are managed, to include conflict forecasting and de-confliction, across the IRES enterprise.

The contractor shall track, manage and report on TO performance measures, including metrics, lessons learned and accomplishments.

*Outcomes:*

- Based on TO performance trends, periodic audits of task estimates are performed, TO risks are tracked, and schedule accuracy is evaluated.
- All TO CDRLs are delivered on time and with accurate information.
- Customer satisfaction with the services and products delivered in this TO is solicited and tracked.
- TO performance is continuously evaluated and improved using objective performance measures.
- TO lessons learned, best practices, and accomplishments are collected and shared with the COTR, ACOTR, other government stakeholders, and IRES workforce.

The contractor shall incorporate Mission Assurance activities into all TO tasks in support of the MDA mission.

*Outcomes:*

- TO asset configurations are managed in accordance with the IRES Configuration Management Plan (CDRL TO8002 C022).
- TO risks are managed in accordance with the IRES Risk Management Plan (CDRL TO8002 C021).
- The quality of TO activities is assured in accordance with the Quality Assurance Program Plan (CDRL TO8002 C020).
- TO supplies are purchased in accordance with the IRES Supply Chain Risk Management Plan, including the development of a supply chain map and authorized suppliers list for critical systems.

The contractor shall provide information security, physical security, export control and cybersecurity training and processes in accordance with federal, DoD and agency requirements to safeguard the conduct of the MDA mission through the IRES contract.

*Outcomes:*

- MDA-identified Critical Program Information (CPI) and Critical Technologies (CT) are protected to the standards required in DoDI 5200.39
- TO cybersecurity risks are managed in accordance with the Cybersecurity Risk Management Plan (CDRL TO8002 C016).
- All Controlled Unclassified Information is protected from unauthorized access, disclosure, incident, or compromise.
- All contractor-managed TO systems maintain System Authorization in accordance with DoDI 8510.01, Risk Management Framework.
- Cybersecurity requirements and considerations are integrated into TO systems engineering, design, and risk management processes.
- All contractor-managed TO systems are operated in accordance with cybersecurity requirements.
- Security administration is provided to comply with applicable DoD, MDA, and local security directives, policies, procedures, and instructions for physical security and for the safeguarding of BMDS controlled and classified information, to include proper document marking, classification, storage, accountability, transmittal, and destruction.

#### **10.1.2.3 Functional Management and Administrative Support**

The contractor shall provide a functional management oversight structure to lead, manage and assign resources within their organization.

##### *Outcomes:*

- The Event and Warfighter Support (EWS) Director leads and manages the department to meet IRES and its applicable task orders' requirements.
- The EWS Director delivers IRES products and services which includes the correct people, processes, and tools to meet mission requirements.
- The EWS Directors tactically allocates and strategically forecasts resources within EWS and its applicable task orders to ensure the sustainment, renewal, and growth of the technical expertise within the department that meets current and future requirements.
- The EWS Director mentors and oversees the execution of event engineering, asset operations and sustainment, systems integration, and analysis to ensure the technical success of each task order within the department.

The contractor shall provide functional administrative and management support as required to communicate and deliver enterprise integration.

##### *Outcomes:*

- The EWS Department provides training, certifications, and career growth of each employee within the department.

- The EWS Department develops, standardizes, and deploys processes for event engineering, asset operations and sustainment, systems integration, and analysis.

### **10.1.3 Task Order Award and Modification**

The contractor shall provide the resources and data to provide timely and accurate proposals to government requirements for proposal and other contract modification actions.

## **10.2 GMD Operations Sustainment**

GMD Operations sustainment encompasses planning, maintenance, and execution of all operations and sustainment requirements as they affect GMD Operational systems and work areas. Principal work areas include GMD Operations in Sector 1207, GMD Fire Control GFC) Server Room 2209, and associated areas in the 1100 Quad [GMD Element Coordination Information Center (GECIC) and BMDS Network Operations Support Center (BNOSC)].

### **10.2.1 Activity Assistance**

The contractor shall facilitate the identification and scheduling of facility maintenance, inspection, project-related visits, and inventory requirements that are performed in these areas under other IRES task orders. In addition, the contractor shall monitor and report other MDA/IRES task order activities that could potentially have an operational impact on GMD areas.

10.2.1.1 Maintain awareness of GMD activities and events through attendance at GMD staff meetings, participation in project/event meetings, and direct interface with GMD staff.

10.2.1.2 Coordinate, facilitate, and provide escort for personnel not permanently authorized access to GMD controlled areas for facility maintenance, inspection, project-related visits, and inventory activities. This includes the 1207 SCIF area.

10.2.1.3 Identify and mitigate/de-conflict MDA and IRES activities that could potentially have an operational impact on GMD equipment or mission space

10.2.1.4 Coordinate MDIOC level freeze waivers as necessary to minimize and/or eliminate any risk to GMD activities and events.

### **10.2.2 Capability Sustainment**

The contractor shall provide services necessary for the sustainment of MDA equipment and infrastructure supporting the GMD program. Sustainment activities include proactive/corrective maintenance, hardware/software refresh planning, information assurance, network administration services, and configuration management. Equipment supported includes networked and non-networked desktop/laptop computers, data communications systems, voice communications systems, audio-visual (AV) systems, and video teleconference (VTC) systems.

- 10.2.2.1 Maintain and refresh hardware, software and current capabilities in accordance with industry best maintenance practices ensuring an appropriate mix between inspection, proactive, and corrective maintenance, repair, and replacement to maintain availability of systems, equipment and networks. Document and execute maintenance plans, schedules, and performance expectations. Utilize system performance and maintenance trending analysis to manage the maintenance program. Develop sparing methodology based upon mission criticality, frequency of use, acquisition lead-time, and vendor support criteria. Monitor approved spare levels and recommend procurement action to replenish stock.
- 10.2.2.2 Develop criteria for technology refresh of hardware, software, and current capabilities in accordance with industry best practices to ensure availability. Leverage MDA Information Technology (IT) support policy to minimize GMD investments for IT hardware and software above MDA standards. Manage and provide the government with real-time access to a database that conforms to Defense Property Accountability System (DPAS) requirements identifying the location and acquisition details for all GMD acquired assets. Implement an integrated approach to operate and manage all GMD hardware and software investments that provides for the continuous identification, selection, control, life-cycle management, and evaluation of the investments in a structured process resulting in a systematic method to maximize investment return and allow predictable budgeting. Manage and maintain currency on all licensing and update services for third-party software, software drivers, and diagnostic software.
- 10.2.2.3 Maintain protection from intrusion and exploitation of Information systems as required by MDA and DoD standards. Manage applicable networks and network components including supporting documentation to ensure RMF accreditation is maintained. Provide network administration services to include cable plant management and network distribution in all LAN environment locations as well as the distribution of precision timing and video cable circuits.
- 10.2.2.4 Maintain conformance to a configuration management/system engineering process to ensure standards are established to control and manage, in optimum condition, system capabilities. Track and maintain the currency of documentation for facility, equipment, cabling configuration, and operating procedures to perform the GMD mission. Develop baselined systems artifacts (e.g. Interface Control Documents, Network Interface Control Documents, schematic, functional system overlay and architectural drawings compliant with DoDAF v2.0, etc.) that clearly diagram and articulate the system or components performance, function, and physical attributes and functional relation between parts, subsystems, and systems. Manage and provide the government access to drawing repositories and other applicable configuration control documentation in accordance with Exhibit 2.

### **10.2.3 Customer Support Services**

The contractor shall provide customer support services inclusive of service desk operations, touch-labor client services, conference room system support, Install/Move/Add/Change (IMAC) services, VIP support, major event activities, and engineering project services.

- 10.2.3.1 Provide Tier II help desk support during core business hours. Ensure knowledge base maintenance and development enabling first call resolution of help desk calls.
- 10.2.3.2 Provide an incident request process/system that allows effective identification, tracking, and resolution of all recurring maintenance findings, troubleshooting, and break/fix service restoration requests. Identify actions as urgent or routine based upon actual/potential impact on mission system availability. Create the capability for all GMD users and service providers to submit, identify mission impact, and inquire as to the status of subject requests. Performance standards (initial response time, estimated time to repair, time to provide a situation report, and time to complete actions) are provided in Exhibit 2.
- 10.2.3.3 All requests for engineering or Install/Move/Add/Change (IMAC) services requires GMD review and approval. Provide a work request process/system that allows GMD appointed personnel to submit, assess, validate, vet, prioritize, approve, track, and evaluate subject work requests (Content of contractor response for each request shall include scope, need-date, point(s) of contact, solution, breakout of activities, schedule, cost, and materials). Implement a change request process for schedule changes. Create a categorical binning system for approval and vetting for projects, with respect to urgency and project size. Implement a streamlined/agile process for work requests. The performance standards (time to complete actions) for urgent/routine IMAC requirements are provided in Exhibit 2.

### **10.3 GMD Training & Exercise Sustainment**

GMD Training and Exercise sustainment encompasses planning, maintenance, and execution of all operations and sustainment requirements as they affect the GMD Training and Exercise systems and work areas. Principal work areas include the Joint GMD Training and Exercise Center (J-GTEC) and other sustainment training areas in Quad 3400, training systems in Data Center Rooms 2201/2209, and the Command Launch Equipment Trainer in Room 114.

#### **10.3.1 Activity Assistance**

The contractor shall facilitate the identification and scheduling of facility maintenance, inspection, project-related visits, and inventory requirements that are performed in these areas under other IRES task orders. In addition, the contractor shall monitor and report other MDA/IRES task order activities that could potentially have an operational impact on GMD areas.

- 10.3.1.1 Maintain awareness of GMD activities and events through attendance at GMD staff meetings, participation in project/event meetings, and direct interface with GMD staff.
- 10.3.1.2 Coordinate, facilitate, and provide access to personnel not permanently authorized access to GMD controlled areas for facility maintenance, inspection, project-related visits, and inventory activities.
- 10.3.1.3 Identify and mitigate/de-conflict MDA and IRES activities that could potentially have an operational impact on GMD equipment or mission space
- 10.3.1.4 Coordinate MDIOC level freeze waivers as necessary to minimize and/or eliminate any risk to GMD activities and events.

### **10.3.2 Capability Sustainment**

The contractor shall provide services necessary for the sustainment of MDA equipment and infrastructure supporting the GMD program. Sustainment activities include proactive/corrective maintenance, hardware/software refresh planning, information assurance, network administration services, and configuration management. Equipment supported includes networked and non-networked desktop/laptop computers, data communications systems, voice communications systems, audio-visual (AV) systems, and video teleconference (VTC) systems.

- 10.3.2.1 Maintain hardware, software and current capabilities in accordance with industry best maintenance practices ensuring the proper mix between inspection, proactive, and corrective maintenance to maximize availability. Document and execute maintenance plans, schedules, and performance expectations. Utilize system performance and maintenance trending analysis to manage the maintenance program. Develop sparing methodology based upon mission criticality, frequency of use, acquisition lead-time, and vendor support criteria. Monitor approved spare levels and recommend procurement action to replenish stock.
- 10.3.2.2 Develop criteria for technology refresh of hardware, software, and current capabilities in accordance with industry best practices to ensure availability. Leverage MDA Information Technology (IT) support policy to minimize GMD investments for IT hardware and software above MDA standards. Manage and provide the government with real-time access to a database that conforms to Defense Property Accountability System (DPAS) requirements identifying the location and acquisition details for all GMD acquired assets. Implement an integrated approach to operate and manage all GMD hardware and software investments that provides for the continuous identification, selection, control, life-cycle management, and evaluation of the investments in a structured process resulting in a systematic method to maximize investment return and allow predictable budgeting. Manage and maintain currency

on all licensing and update services for third-party software, software drivers, and diagnostic software.

- 10.3.2.3 Maintain protection from intrusion and exploitation of Information systems as required by MDA and DoD standards. Manage applicable networks and network components including supporting documentation to ensure RMF accreditation is maintained. Provide network administration services to include cable plant management and network distribution in all LAN environment locations as well as the distribution of precision timing and video cable circuits.
- 10.3.2.4 Maintain conformance to a configuration management/system engineering process to ensure standards are established to control and manage, in optimum condition, system capabilities. Track and maintain the currency of documentation for facility, equipment, cabling configuration, and operating procedures to perform the GMD mission. Develop baselined systems artifacts (e.g. Interface Control Documents, Network Interface Control Documents, schematic, functional system overlay and architectural drawings compliant with DoDAF v2.0, etc.) that clearly diagram and articulate the system or components performance, function, and physical attributes and functional relation between parts, subsystems, and systems. Manage and provide the government access to drawing repositories and other applicable configuration control documentation in accordance with Exhibit 2

### **10.3.3 Customer Support Services**

The contractor shall provide customer support services inclusive of service desk operations, touch-labor client services, conference room system support, Install/Move/Add/Change (IMAC) services, VIP support, major event activities, and engineering project services.

- 10.3.3.1 Provide Tier II help desk support during core business hours. Ensure knowledge base maintenance and development enabling first call resolution of help desk calls.
- 10.3.3.2 Provide an incident request process/system that allows effective identification, tracking, and resolution of all recurring maintenance findings, troubleshooting, and break/fix service restoration requests. Actions shall be identified as urgent or routine based upon actual/potential impact on mission system availability. All GMD users and service providers should be able to submit, identify mission impact, and inquire as to the status of subject requests. Performance standards (initial response time, estimated time to repair, time to provide a situation report, and time to complete actions) are provided in Exhibit 2.
- 10.3.3.3 All requests for new work or involving Install/Move/Add/Change (IMAC) services will require GMD review and approval. Provide a work request process/system that allows GMD appointed personnel to submit, assess, validate, vet, prioritize, approve, track, and evaluate subject work requests. Content of contractor response for each

request should include scope, need-date, point(s) of contact, solution, breakout of activities, schedule, cost, and materials. Implement a change request process for schedule changes. Create a categorical binning system for approval and vetting for projects, with respect to urgency and project size. Implement a streamlined/agile process for work requests. The performance standards (time to complete actions) for urgent/ routine IMAC requirements are provided in Exhibit 2.

#### **10.4 General GMD Support and Sustainment**

General GMD Support and Sustainment encompasses support for common areas, conference/VTC rooms, general administrative work areas, and implementation of GMD security, work approval, and other administrative policies. This task includes support to other GMD element requirements and areas not specifically identified under operations and training support tasks above including the GFC Test Analysis Room (3404-B), RITE Room (3401-09), G-DART (3309), GM Office (3101-04), and outer hallway rooms (333).

##### **10.4.1 Activity Assistance**

The contractor shall facilitate the identification and scheduling of facility maintenance, inspection, project-related visits, and inventory requirements that are performed in these areas under other IRES task orders. In addition, the contractor shall perform on-site facility technical services and security management functions for designated areas (currently B720, third floor areas) to ensure compliance with MDIOC, MDA and DoD standards.

- 10.4.1.1 Maintain awareness of GMD activities and events through attendance at GMD staff meetings, participation in project/event meetings, and direct interface with GMD staff.
- 10.4.1.2 Coordinate, facilitate, and provide access to personnel not permanently authorized access to GMD controlled areas for facility maintenance, inspection, project-related visits, and inventory activities.
- 10.4.1.3 Identify and mitigate/de-conflict MDA and IRES activities that could potentially have an operational impact on GMD equipment or mission space
- 10.4.1.4 Coordinate MDIOC level freeze waivers as necessary to minimize and/or eliminate any risk to GMD activities and events.
- 10.4.1.5 Perform duties as the Security Assistant as defined in the Standard Operating Procedure (SOP) of the subject area. Coordinate for the Security Manager with MDA Security Personnel on all physical and information security issues and tasks. Develop and maintain SOP documentation in accordance with the standard MDA procedures.
- 10.4.1.7 Manage access control to controlled areas.
- 10.4.1.8 Perform block captain activities in accordance with latest government directions.

- 10.4.1.9 Manage and process incoming and outgoing Visit Authorization Requests.
- 10.4.1.10 Maintain and manage open storage certification requirements. Provide guidance to occupants on Security Classification requirements. Receive, generate and reproduce classified material up to the SECRET classification.
- 10.4.1.11 Perform conference and VTC room scheduling and publish the reservation results.
- 10.4.1.12 Set up classified and unclassified VTC equipment and connections.
- 10.4.1.13 Report to the MDIOC Service Desk when classified and unclassified printers are not operational and facilitate paper and toner replacements.
- 10.4.1.14 Ensure the "Unclassified Sensitive/FOUO/Proprietary Information" recycle bins are serviced through the MDIOC Service Desk.

#### **10.4.2 Capability Sustainment**

The contractor shall provide services necessary for the sustainment of MDA equipment and infrastructure supporting the GMD program. Sustainment activities include proactive/corrective maintenance, hardware/software refresh planning, information assurance, network administration services, and configuration management. Equipment supported includes networked and non-networked desktop/laptop computers, data communications systems, voice communications systems, audio-visual (AV) systems, and video teleconference (VTC) systems.

- 10.4.2.1 Maintain hardware, software and current capabilities in accordance with industry best maintenance practices ensuring the proper mix between inspection, proactive, and corrective maintenance to maximize availability. Document and execute maintenance plans, schedules, and performance expectations. Utilize system performance and maintenance trending analysis to manage the maintenance program. Develop sparing methodology based upon mission criticality, frequency of use, acquisition lead-time, and vendor support criteria. Monitor approved spare levels and recommend procurement action to replenish stock.
- 10.4.2.2 Develop criteria for technology refresh of hardware, software, and current capabilities in accordance with industry best practices to ensure availability. Leverage MDA Information Technology (IT) support policy to minimize GMD investments for IT hardware and software above MDA standards. Manage and provide the government with real-time access to a database that conforms to Defense Property Accountability System (DPAS) requirements identifying the location and acquisition details for all GMD acquired assets. Implement an integrated approach to operate and manage all GMD hardware and software investments that provides for the continuous identification, selection, control, life-cycle management, and evaluation of the investments in a structured process resulting in a systematic method to maximize

investment return and allow predictable budgeting. Manage and maintain currency on all licensing and update services for third-party software, software drivers, and diagnostic software.

- 10.4.2.3 Maintain protection from intrusion and exploitation of Information systems as required by MDA and DoD standards. Manage applicable networks and network components including supporting documentation to ensure RMF accreditation is maintained. Provide network administration services to include cable plant management and network distribution in all LAN environment locations as well as the distribution of precision timing and video cable circuits.
- 10.4.2.4 Maintain conformance to a configuration management/system engineering process to ensure standards are established to control and manage, in optimum condition, system capabilities. Track and maintain the currency of documentation for facility, equipment, cabling configuration, and operating procedures to perform the GMD mission. Develop baselined systems artifacts (e.g. Interface Control Documents, Network Interface Control Documents, schematic, functional system overlay and architectural drawings compliant with DoDAF v2.0, etc.) that clearly diagram and articulate the system or components performance, function, and physical attributes and functional relation between parts, subsystems, and systems. Manage and provide the government access to drawing repositories and other applicable configuration control documentation in accordance with Exhibit 2

### **10.4.3 Customer Support Services**

The contractor shall provide customer support services inclusive of service desk operations, touch-labor client services, conference room system support, Install/Move/Add/Change (IMAC) services, VIP support, major event activities, and engineering project services.

- 10.4.3.1 Provide Tier II help desk support during core business hours. Ensure knowledge base maintenance and development enabling first call resolution of help desk calls.
- 10.4.3.2 Provide an incident request process/system that allows effective identification, tracking, and resolution of all recurring maintenance findings, troubleshooting, and break/fix service restoration requests. General support area requirements will be considered routine. All GMD users and service providers should be able to submit, identify mission impact, and inquire as to the status of subject requests. Performance standards (initial response time, estimated time to repair, time to provide a situation report, and time to complete actions) are provided in Exhibit 2.
- 10.4.3.3 All requests for new work or involving Install/Move/Add/Change (IMAC) services will require GMD review and approval. Provide a work request process/system that allows GMD appointed personnel to submit, assess, validate, vet, prioritize, approve, track, and evaluate subject work requests. Content of contractor response for each

request should include scope, need-date, point(s) of contact, solution, breakout of activities, schedule, cost, and materials. Implement a change request process for schedule changes. Create a categorical binning system for approval and vetting for projects, with respect to urgency and project size. Implement a streamlined/agile process for work requests. The performance standards (time to complete actions) for urgent/ routine IMAC requirements are provided in Exhibit 2.

## **10.5 Events and Engineering Projects**

The Contractor shall implement solutions, upgrades, enhancements and reconfigurations completing the planning, design, procurement, implementation, documentation and configuration management activities. The contractor shall adjust the outcomes as directed in the TDL based on the scope, complexity, and size of the project.

The COTR/COR will issue technical direction letters (TDLs) for all work associated with this task. Annual historical workload data will be provided to establish the baseline for this task.

### **10.5.1 Minor Projects –Baseline**

Minor projects are characterized as those projects that historically include new work requests that are above the scope of an IMAC request and require planning, resource scheduling, or procurement action. Typical projects include support for minimal system configuration changes or upgrades to a limited area (room or cubicle).

A customer turnover date will be negotiated for each project based upon complexity and need date. The contractor should have the capability to meet the performance standards (time to complete actions) that are provided in Exhibit 2.

Assume up to 15 minor baseline projects per year.

- 10.5.1.1 Operate in the context of the System Engineering Management Plan (SEMP) and established governance processes reflected through standardized engineering artifacts and an integrated systems engineering approach to design efforts to meet technical requirements.
- 10.5.1.2 Perform project oversight to include customer coordination and communications and respond to requests for information and problem resolution.
- 10.5.1.3 Plan and develop sequenced, resource-loaded schedules. Identify risks, work sequencing, critical paths, and procurement lead-times, as necessary.
- 10.5.1.4 Initiate requirements management activities. Document and track requirements in a Requirements Traceability Matrix (RTM) which identifies specific and derived requirements.

- 10.5.1.5 Develop design solutions and conduct design reviews (preliminary and final) for government approval. Participate in required MDIOC review boards (Design Review Board, Engineering and Architecture Board).
- 10.5.1.6 Execute tasking instructions as detailed in approved RTM, design plans, and milestone schedules.
- 10.5.1.7 Develop, maintain, and coordinate technical documentation to include Technical Data Packages, engineering drawings, and interface control specifications for existing systems that require documentation or as a result of newly developed and/or modified systems. Ensure fully coordinated, redlined change documents are available for the government user and service technicians at customer turnover date; formal configuration control documentation and drawings updated and posted.

Performance standards for documentation and drawing updates are provided in Exhibit 2.

- 10.5.1.8 Execute a project change management process.
- 10.5.1.9 Complete project close out activities.

## **10.5.2 Small Projects – Baseline**

Small projects are characterized as those projects that historically include new work requests that are above the scope of a minor project and require significant planning, resource scheduling, or procurement action. Typical projects include support for significant system configuration changes or upgrades to a significant area (large room, entire Quad, or site-wide).

A customer turnover date will be negotiated for each project based upon complexity and need date. The contractor should have the capability to meet the performance standards (time to complete actions) that are provided in Exhibit 2.

Each small project shall be defined through a Mission Support Task (MST). After the MST is issued the contractor shall provide an engineering estimate, engineering artifacts, and implementation plan to the COTR as outlined in the MST. Upon stakeholder agreement the Contracting Officer will provide an authority to proceed for the contractor to execute and complete the project. The contractor shall establish a discrete work package for each MST. All MSTs will be added to Attachment 1 to the PWS. The Task Change Requirement (TCR) process shall be followed when there is a need to document and communicate a potential cost, schedule, or requirements change to the MST.

- 10.5.2.1 Operate in the context of the System Engineering Management Plan (SEMP) and established governance processes reflected through standardized engineering artifacts

- and an integrated systems engineering approach to design efforts to meet technical requirements.
- 10.5.2.2 Perform project oversight to include customer coordination and communications and respond to requests for information and problem resolution.
  - 10.5.2.3 Plan and develop sequenced, resource-loaded schedules. Identify risks, work sequencing, critical paths, and procurement lead-times, as necessary.
  - 10.5.2.4 Initiate requirements management activities. Document and track requirements in a Requirements Traceability Matrix (RTM) which identifies specific and derived requirements.
  - 10.5.2.5 Develop design solutions and conduct design reviews (preliminary and final) for government approval. Participate in required MDIOC review boards (Design Review Board, Engineering and Architecture Board).
  - 10.5.2.6 Execute tasking instructions as detailed in approved RTM, design plans, and milestone schedules.
  - 10.5.2.7 Develop, maintain, and coordinate technical documentation to include Technical Data Packages, engineering drawings, and interface control specifications for existing systems that require documentation or as a result of newly developed and/or modified systems. Ensure fully coordinated, redlined change documents are available for the government user and service technicians at customer turnover date; formal configuration control documentation and drawings updated and posted. Performance standards for documentation and drawing updates are provided in Exhibit 2.
  - 10.5.2.8 Execute a project change management process.
  - 10.5.2.9 Complete project close out activities.

### **10.5.3 PPWP: Minor Project Surge**

Execute an additional Minor Project; this PPWP may be executed up to 30 times (reference ¶10.5.1). Executed 4x on P00007.

### **10.5.4 PPWP: Small Project Surge**

Execute an additional Small Project; this PPWP may be executed up to 20 times (reference ¶10.5.2). Executed 2x on P00007.

<b>ORDER FOR SUPPLIES OR SERVICES</b>										PAGE 1 OF 12	
1. CONTRACT/PURCH. ORDER/ AGREEMENT NO. HQ079617D0001			2. DELIVERY ORDER/ CALL NO. HQ079618F4100P00001		3. DATE OF ORDER/CALL (YYYYMMDD) 2018 Apr 02		4. REQ. / PURCH. REQUEST NO. See Schedule		5. PRIORITY DX-C9		
6. ISSUED BY MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300				7. ADMINISTERED BY (if other than 6) DCMA HUNTSVILLE 1040 RESEARCH BLVD SUITE 100 MADISON AL 35758-2040		8. DELIVERY FOB <input checked="" type="checkbox"/> DESTINATION <input type="checkbox"/> OTHER  (See Schedule if other)					
9. CONTRACTOR JACOBS TECHNOLOGY INC. 550 WILLIAM NORTHERN BLVD. TULSA OK 74106-4727				10. DELIVER TO FOB POINT BY (Date) (YYYYMMDD) <b>SEE SCHEDULE</b>		11. MARK IF BUSINESS IS <input type="checkbox"/> SMALL <input type="checkbox"/> SMALL DISADVANTAGED <input type="checkbox"/> WOMEN-OWNED					
14. SHIP TO MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300				15. PAYMENT WILL BE MADE BY DFAS COLUMBUS CENTER SOUTH ENTITLEMENT OPERATIONS P.O. BOX 182264 COLUMBUS OH 43218-2264		13. MAIL INVOICES TO THE ADDRESS IN BLOCK See Item 15		MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2.			
16. TYPE OF ORDER		DELIVERY / CALL		X		This delivery order/call is issued on another Government agency or in accordance with and subject to terms and conditions of above numbered contract.					
PURCHASE						Reference your quote dated Furnish the following on terms specified herein. REF:					
ACCEPTANCE. THE CONTRACTOR HEREBY ACCEPTS THE OFFER REPRESENTED BY THE NUMBERED PURCHASE ORDER AS IT MAY PREVIOUSLY HAVE BEEN OR IS NOW MODIFIED, SUBJECT TO ALL OF THE TERMS AND CONDITIONS SET FORTH, AND AGREES TO PERFORM THE SAME.											
NAME OF CONTRACTOR				SIGNATURE		TYPED NAME AND TITLE			DATE SIGNED (YYYYMMDD)		
<input checked="" type="checkbox"/> If this box is marked, supplier must sign Acceptance and return the following number of copies: 1											
17. ACCOUNTING AND APPROPRIATION DATA/ LOCAL USE  See Schedule											
18. ITEM NO.		19. SCHEDULE OF SUPPLIES/ SERVICES			20. QUANTITY ORDERED/ ACCEPTED*		21. UNIT	22. UNIT PRICE	23. AMOUNT		
		SEE SCHEDULE									
* If quantity accepted by the Government is same as quantity ordered, indicate by X. If different, enter actual quantity accepted below quantity ordered and encircle.					24. UNITED STATES OF AMERICA TEL: (b)(6) E-MAIL: (b)(6) BY: (b)(6)		25. TOTAL \$3,797,991.00 EST		26. DIFFERENCES		
27a. QUANTITY IN COLUMN 20 HAS BEEN <input type="checkbox"/> INSPECTED <input type="checkbox"/> RECEIVED <input type="checkbox"/> ACCEPTED, AND CONFORMS TO THE CONTRACT EXCEPT AS NOTED											
b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE					c. DATE (YYYYMMDD)		d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE				
e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE					28. SHIP NO.		29. DO VOUCHER NO.		30. INITIALS		
f. TELEPHONE NUMBER					g. E-MAIL ADDRESS		32. PAID BY		33. AMOUNT VERIFIED CORRECT FOR		
36. I certify this account is correct and proper for payment.					31. PAYMENT <input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL				34. CHECK NUMBER		
a. DATE (YYYYMMDD)		b. SIGNATURE AND TITLE OF CERTIFYING OFFICER							35. BILL OF LADING NO.		
37. RECEIVED AT		38. RECEIVED BY		39. DATE RECEIVED (YYYYMMDD)		40. TOTAL CONTAINERS		41. S/R ACCOUNT NO.		42. S/R VOUCHER NO.	

Section B - Supplies or Services and Prices

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
3000	Services/Capabilities CPFF The contractor shall provide all services/capabilities identified in the performance work statement (PWS) attached to this task order. All task order costs, other than those specifically included in another contract line item number (CLIN), are included in this CLIN. FOB: Destination PURCHASE REQUEST NUMBER: HQ01 47863325	(b)(4)			(b)(4)
				ESTIMATED COST FIXED FEE	(b)(4)
				TOTAL EST COST + FEE	

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	AMOUNT
300001	Inc Funding  ACRNAA  PURCHASE REQUEST NUMBER: HQ01 47863325	(b)(4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
300002	Inc Funding  ACRNAA  PURCHASE REQUEST NUMBER: HQ01 47863886	(b)(4)

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
3040	<p>Expensed CAP: IT HW/Equip            CPFF</p> <p>Contractor purchase of expensed contractor-acquired property (CAP), specifically information technology (IT) hardware (HW)/equipment (equip), necessary to provide the services/capabilities identified in the PWS attached to this task order. CAP is defined in FAR 52.245-1. IT hardware/equipment is a subset of equipment as defined in DoDI 5000.64.</p> <p>NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.            FOB: Destination            PURCHASE REQUEST NUMBER: HQ01 47863325</p>	(b)(4)			(b)(4)
				ESTIMATED COST	
				FIXED FEE	
				TOTAL EST COST + FEE	(b)(4)

FSC CD: 7025

ITEM NO	SUPPLIES/SERVICES	AMOUNT
304001	<p>Inc Funding</p> <p>ACRNAB</p> <p>PURCHASE REQUEST NUMBER: HQ0147863325</p>	(b)(4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
304002	Inc Funding	
	ACRNAB	(b)(4)
PURCHASE REQUEST NUMBER: HQ01 47863886		

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
3060	Expensed CAP: COTS IUS CPFF Contractor purchase of expensed contractor-acquired property (CAP), specifically commercial-off-the-shelf (COTS) internal use software (IUS), necessary to provide the services/capabilities identified in the PWS attached to this task order. CAP is defined in FAR 52.245-1. COTS IUS is a subset of IUS as defined in DoDI 5000.76.  NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent. FOB: Destination PURCHASE REQUEST NUMBER: HQ01 47863325	(b)(4)			(b)(4)
				ESTIMATED COST FIXED FEE	(b)(4)
				TOTAL EST COST + FEE	

FSC CD: 7030

ITEM NO	SUPPLIES/SERVICES	AMOUNT
306001	Inc Funding	
	ACRN AB	(b)(4)
PURCHASE REQUEST NUMBER: HQ0147863325		

ITEM NO	SUPPLIES/SERVICES	AMOUNT
306002	Inc Funding	
	ACRNAB	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863886	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
7990	Data FFP The contractor shall deliver all data identified in the contract data requirements lists (CDRL) attached to this task order.  Reference Section G of the basic contract. At the end of the task order period of performance, the contractor shall submit one Invoicing, Receipt, Acceptance, and Property Transfer (iRAPT) receiving report for all data previously delivered. FOB: Destination PURCHASE REQUEST NUMBER: HQ0147863325	1	Lot		NSP

NET AMT

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
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7991	Expensed CAP Delivery FFP Delivery of expensed CAP as required by the IRES Government Property Management Task Order.	8	Lot		NSP
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NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.  
FOB: Destination  
PURCHASE REQUEST NUMBER: HQ0147863325

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NET AMT

FSCCD: AC23

Section E - Inspection and Acceptance

INSPECTION AND ACCEPTANCE TERMS

Supplies/services will be inspected/accepted at:

CLIN	INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
3000	Origin	Government	Destination	Government
300001	N/A	N/A	N/A	N/A
300002	N/A	N/A	N/A	N/A
3040	Origin	Government	Destination	Government
304001	N/A	N/A	N/A	N/A
304002	N/A	N/A	N/A	N/A
3060	Origin	Government	Destination	Government
306001	N/A	N/A	N/A	N/A
306002	N/A	N/A	N/A	N/A
7990	Origin	Government	Destination	Government
7991	Origin	Government	Destination	Government

Section F - Deliveries or Performance

DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	DODAAC / CAGE
3000	POP 02-APR-2018 TO 30-SEP-2019	N/A	MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 FOB: Destination	HQ0796
300001	N/A	N/A	N/A	N/A
300002	N/A	N/A	N/A	N/A
3040	POP 02-APR-2018 TO 30-SEP-2019	N/A	MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 FOB: Destination	HQ0796
304001	N/A	N/A	N/A	N/A
304002	N/A	N/A	N/A	N/A
3060	POP 02-APR-2018 TO 30-SEP-2019	N/A	MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 FOB: Destination	HQ0796
306001	N/A	N/A	N/A	N/A
306002	N/A	N/A	N/A	N/A
7990	POP 02-APR-2018 TO 30-SEP-2019	N/A	MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 FOB: Destination	HQ0796
7991	POP 02-APR-2018 TO 30-SEP-2019	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796

Section G - Contract Administration Data

ACCOUNTING AND APPROPRIATION DATA

AA: 044411 097 0400 000 N 20182019 D 2520 S S\_SD33P\_FY18 MT-MTIBA-FY1819 71SS 255  
 AMOUNT: (b)(4)

AB: 044411 097 0400 000 N 20182019 D 2520 S S\_SD33P\_FY18 MT-MTIBA-FY1819 71SS 310  
 AMOUNT: (b)(4)

ACRN	CLIN/SLIN	CIN	AMOUNT
AA	300001	HQ0147863325000101	(b)(4)
	300002	HQ01478638860001	
AB	304001	HQ0147863325000201	
	304002	HQ01478638860002	
	306001	HQ0147863325000301	
	306002	HQ01478638860003	

LIMITATION OF FUNDS

Pursuant to the "Limitation of Funds" clause (FAR 52.232-22). The total sum presently available for payment by the Government and allotted each contract line item is:

CLIN 3000: \$ (b)(4)  
 CLIN 3040: \$  
 CLIN 3060: \$  
 Total: \$

Based on the information available to the Government, this amount will cover costs associated with:

CLIN 3000: through 30 Sep 2019

CLIN 3040: through 30 Sep 2019

CLIN 3060: through 30 Sep 2019

The contractor shall invoice all CLINs in accordance with DFAR 252.204-0003, Line Item Specific: Contracting Officer Specified ACRN Order (SEP 2009).

18F4100 FIXED FEE SCHEDULE

	CLIN 3000	CLIN 3040	CLIN 3060	TOTAL
May-18	(b)(4)			
Jun-18				
Jul-18				
Aug-18				
Sep-18				
Oct-18				
Nov-18				
Dec-18				
Jan-19				
Feb-19				
Mar-19				
Apr-19				
May-19				

Jun-19  
Jul-19  
Aug-19  
Sep-19  
Oct-19  
FEE TOTAL  
BASE COST  
TOTAL

(b) (4)



PRICED PROSPECTIVE WORK PACKAG

Priced Prospective Work Packages (PPWPs) represent potential requirements included in TO 4100 PWS (Attachment 1) that are priced and negotiated but not yet awarded. The PPWP may be awarded/executed in accordance with clause H-03, Task Orders at a later date with a bilateral modification to the task order if/when the requirement is ultimately needed and funded. The PPWPs negotiated to date are included in Attachment 2 to the Task Order. The below referenced PPWPs have been executed:  
TBD

Section I - Contract Clauses

CLAUSES INCORPORATED BY REFERENCE

52.232-22	Limitation Of Funds	APR 1984
252.211-7003	Item Unique Identification and Valuation	MAR 2016

CLAUSES INCORPORATED BY FULL TEXT

252.204-0003 LINE ITEM SPECIFIC: CONTRACTING OFFICER SPECIFIED ACRN ORDER. (SEP 2009)

The payment office shall make payment within the line item in the sequence ACRN order specified below, exhausting all funds in the previous ACRN before paying from the next ACRN.

Line Item	ACRN Order
3000	AA
3040	AB
3060	AB

(End of clause)

Section J - List of Documents, Exhibits and Other Attachments

Exhibit/Attachment Table of Contents

DOCUMENT TYPE	DESCRIPTION	PAGES	DATE
Attachment 1	TO 4100 PWS	21	10-OCT-2018
Attachment 2	TO 4100 PPWP List	1	22-MAR-2018
Attachment 3	CDRL C001 Integrated Program Management Report (IPMR)	3	06-AUG-2018



## **PERFORMANCE WORK STATEMENT**

**Missile Defense Agency (MDA)  
Integrated Research & Development for Enterprise Solutions (IRES)**

**Contract Number: HQ079617D0001**

**Task Order Title: Missile Defense Space Enterprise Architectures – Future**

**Task Order Number: HQ079618F4100**

**Period of Performance: 2 Apr 2018 – 30 Sep 2019**

## Performance Work Statement Revision History

Version	Date	Mod #	Change Description
Basic	15 Mar 2018	00	Basic Award
Rev A	24 Aug 2018	P00001	EVM requirement reduction, CDRL update, Baseline Review update

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## 1.0 Purpose

Provide the Missile Defense Agency, Space Systems (MDA/SS) directorate with Space Enterprise Architecture(s) and Satellite Operations Center(s) required to for future Research and Development (R&D) and Space Operations activities.

## 2.0 Background

### 2.1 MDA/SS Directorate

MDA/SS directorate (Figure 1.0) serves as the space acquisition lead and space technical authority for the Ballistic Missile Defense System (BMDS). Its mission is to develop, operate, exploit, and integrate joint space capabilities for BMDS in a central collaborative environment. Its vision is to advance our nations missile defense through unrivaled space capabilities, demonstrating the power of proximity, precision, and persistence.

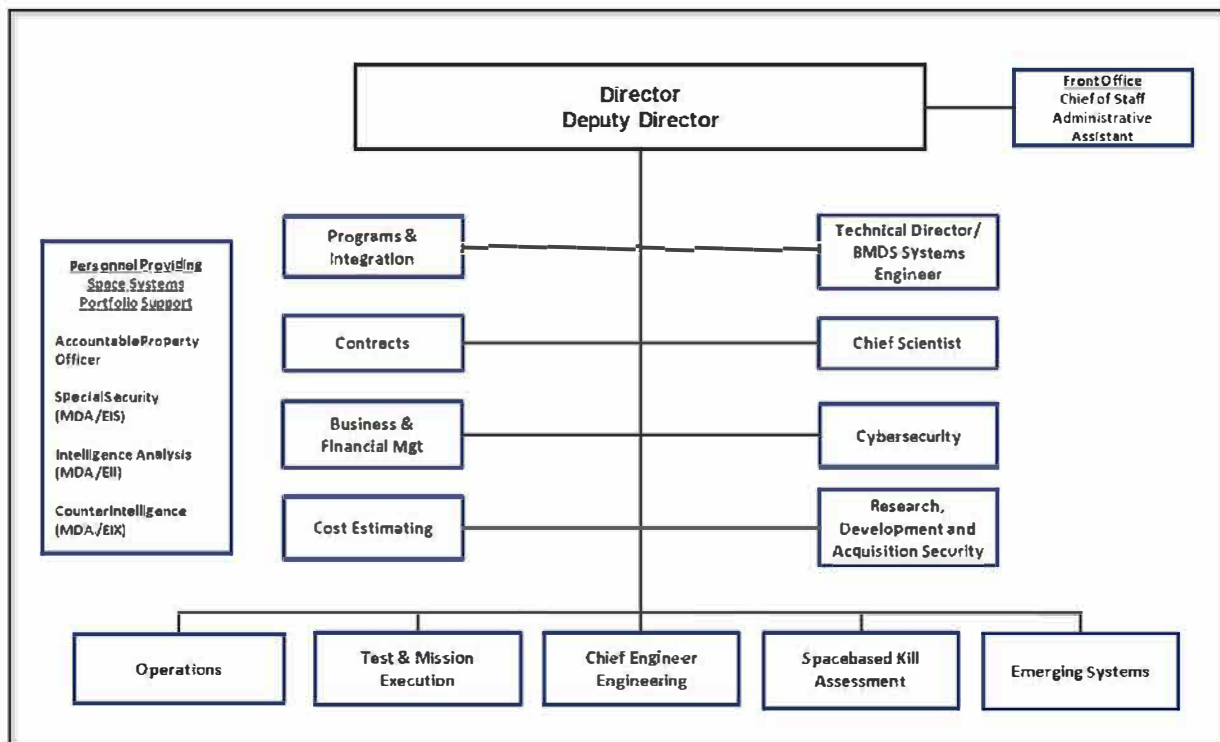


Figure 1.0

### 2.2 MDA/SS Program Management Office

The MDA/SS Program Management Office (PMO) executes the administrative, security, business, logistics, contracting, planning and engineering functions for MDA space programs.

The PMO is located in room 1203 of Building 720 in the Missile Defense Integration and Operations Center (MDIOC).

### **2.3 MDA/SS Missile Defense Space Center**

The MDA/SS Missile Defense Space Center (MDSC), which is located in the 2300 quad of Building 720, currently hosts; Space Tracking and Surveillance System (STSS), Spacebased Kill Assessment (SKA) Experiment, Enterprise Sensor Laboratory (ESL), Cubesat Network Communication Experiment Block I (CNCE I), Space-Based Infrared System (SBIRS) Ground Test Mission, and Falcon Shield Laboratory. STSS, SKA and ESL are hosted on the legacy MDSC Core Enterprise Network. The remaining programs reside on MDA Enterprise or United States Air Force Networks.

### **2.4 MDSC Core Enterprise Network**

The MDSC Core Enterprise Network will continue to support the legacy programs, identified above, via the Specialized Warfighter Development Contract (SWDC). Future R&D and Operational programs will be hosted on the Missile Defense Space Enterprise Architecture (MDSEA). Specific legacy MDSC Core capabilities may transition to the MDSEA on a case by case basis.

## **3.0 Scope**

### **3.1 MDSEA**

Develop and implement an MDSEA for future Research and Development (R&D) of Experimental or Developmental BMDS space capabilities and future operational systems. This scope includes studies, analysis, detailed requirements definition, system engineering, preliminary and detailed system architecture designs, and system development of Enterprise Services, ground systems, and operations centers to include all supporting facilities, infrastructure, networks, development, integration, logistics plans, cybersecurity and physical security protection plans, and supporting cost and schedule estimates for the development, fielding (launch), ground and flight test, and operations of planned space capabilities.

### **3.2 Future Work**

Future work, beyond the initial period of performance may require the sustainment, logistics, training, developmental and operational testing (DT/OT), and operations of the R&D and operational systems.

## **4.0 Reserved**

## **5.0 Contract Data Requirements List (CDRL)**

The point of delivery for all CDRL products is the MDA E-CaRT system. The Contractor shall deliver all such products by saving and profiling them in E-CaRT, with the appropriate

notification of delivery letter transmitted electronically to the Government's Data Management Office. Reference Attachment 1 for specific CDRL delivery instructions. Contract Data Requirements List (CDRL) Identification.

## 5.1 CDRL Identification

Task	CDRL	DID	Title	Description
10.1	C001	DI-MGMT-81861/T	HQ079618F4100: Integrated Program Management Report	Contains data for measuring cost and schedule performance. The IPMR is structured around seven formats that contain the content and relationships required for the electronic submissions.
10.1	C002	DI-MISC-80508B/T	HQ079618F4100: Task Order Status Report, [month ending]	Provides significant accomplishments, issues, concerns, lessons learned, and risks associated with the task order.
10.2, 10.3, 10.4	C003	DI-MISC-80508B/T	HQ079618F4100: Project Engineering Documentation	This CDRL contains engineering documentation that potentially includes some or all of the following components: Slide Package, DoDAF Artifacts, Rack Elevation drawings, Facility Layout drawings, <b>Employment Concept</b> , and Requirements Traceability Matrix (RTM), Version Description Documents, and Floor Plans.
10.5	C004	DI-MISC-80508B/T	HQ079618F4100: Space Planning Layout Documentation	Notional facility layouts to support the Missile Defense Space Operations Centers and all supporting activities. Identification of ergonomic efficiencies, synergy between mission areas, physical security separation, and the consolidation of IT computing hardware in the 2200 quadrant.
10.7	C005	DI-MISC-	HQ079618F4100:	A technical report providing the fully documented results of the

Task	CDRL	DID	Title	Description
		80508B/T	[Name of Study]	study performed.

## 5.2 CDRL Tailoring

The DD Form 1423 associated with each CDRL is contained in the following attachment.



Task Order 18F4100  
CDRL Attachment.pc

## 6.0 Milestones

Note: Items marked with an asterisk and in red font are identified for planning purposes only and are not in the initial 18 month period of performance. These items may be executed under future contract modifications.

PWS Task	Activity	Outcome	Date
10.1	Baseline Review		180 DAC
10.2.1	MDSEA Common Environment	System Requirements/ Architecture Review	6 MAC
10.2.2	MDSEAR&D	System Requirements/ Architecture Review	6 MAC
10.2.3	MDSEA Operational SSL	System Requirements/ Architecture Review	12 MAC
10.2.4	PPWP - Future Systems Engineering, Integration and Operations Requirements Analysis (x2)	System Requirements/ Architecture Review	TBD
10.3.1	MDSEA Common Environment	Preliminary Design Review	12 MAC
10.3.2	MDSEAR&D	Preliminary Design Review	12 MAC
10.3.3	*MDSEA Operational SSL	Preliminary Design Review	24 MAC
10.3.4	PPWP - Future Systems Engineering, Integration and Operations Requirements Analysis (x2)	Preliminary Design Review	TBD
10.4.1	MDSEA Common Environment	Detailed Design Review	18 MAC
10.4.2	MDSEAR&D	Detailed Design Review	18 MAC
10.4.3	*MDSEA Operational SSL (RESERVED)	Detailed Design Review	36 MAC
10.4.4	PPWP - Future Systems Engineering, Integration and Operations Requirements Analysis (x2)	Detailed Design Review	TBD
10.5	Government decide if DDR, Implementation, and Closeout/Transition occur on Task Order 4100 or 8600	Task Order Modification decision	12-15 MAC
10.5.1	MDSOCs	Facility Requirements Review	18 MAC
n/a	*MDSOCs	Preliminary Design Review	24 MAC
n/a	*MDSOCs	Detailed Design Review	30 MAC

## 7.0 Government Property

7.1 In addition to the any GP associated with IRES Contract SOO, paragraph 6.0, the following GP is applicable to this task order: none

7.2 In addition to the GFP identified on IRES Contract Attachment 5, the following GFP is applicable to this task order: none

7.3 The following GFI is applicable to this task order: none

7.4 All CAP shall be managed under the terms and conditions associated with task order 18F8900 – Government Property Management task order.

## 8.0 Special Requirements

This task order shall be executed in accordance with the MDA security classification guidance up to the classification level of SECRET.

WARNING - INTERNATIONAL TRAFFIC IN ARMS REGULATION (ITAR): Ballistic Missile Defense System (BMDS) technology is restricted under the International Traffic in Arms Regulation (ITAR), which controls the export and import of defense-related material and services. Activities under this task must comply with the safeguarding of this information. Parties must disclose any proposed use of foreign nationals, their country of origin, and what activities each would participate in under this task.

~~WARNING- This document contains information that may be exempt from mandatory disclosure under the Freedom of Information Act.~~

## 9.0 Applicable Documents

In addition to the directives and regulations identified in the IRES Contract SOO, paragraph 8.0, the following documents are applicable to this task order:

Title	Originator	Date
DoDI 5200.44, "Protection of Mission Critical Functions to Achieve Trusted Systems and Networks (TSN)"	DoD CIO USD/AT&L	Incorp. Change 2 27 Jul 2017
NIST SP 800-53, "Security and Privacy Controls for Federal Information Systems and Organizations"	NIST	Apr 2013, Incl. updates as of 22 Jan 2015
CNSSI 1253, "Security Categorization and Control Section for National Security Systems"	CNSS	27 Mar 2014

ENCLAVE Test and Development Security Technical Implementation Guide (STIG) Memo	DISA	9 Jan 2014
MDA BMDS High Altitude Exoatmospheric Nuclear Survivability (HAENS) Standard	MDA	24 Oct 2007
Strategic Command Directive (SD) 538-2, Operations, Planning, and Command and Control, Global ballistic Missile Defense Systems (GBMDS) Physical Security Program	USSTRATCOM	3 Oct 2005
Software Assurance for MDA Information Systems (for planning and estimation purposes (Ref Appendix A.))	MDA/IC	In Draft, no date
Interim Cybersecurity Guidance for RDT&E Enclaves and Systems (MDA/DX Memorandum, 9 January 2018)	MDA/DX	9 Jan 2018
MDIOC Unified Facilities Guide Specification (A024-8003-3699)	MDIOC	31 Oct 2016
Spacebased Kill Assessment Program Protection Plan (PPP)	MDA/DE	31 Aug 2016
SKA Security Classification Memorandum	MDA/D	18 Jan 2018
Missile Defense Space Layer (MDSL) Program Protection Plan (PPP), Version 1.0	MDA/SS	31 Dec 2016
1. Ballistic Missile Defense System (BMDS) Security Classification Guide (Change 1) (with classified appendix)	MDA/D	26 May 2017
NSGM 9300.5, National System for Geospatial Intelligence Security, Classification Guide for Overhead Persistent Infrared Systems Operations	NSG	August 2009
Air Force Space Command Security Classification Guide, Annex T, Space-based Infrared Systems Operations, to Include DSP	HQ/AFSPC	22 Apr 2016
Spacebased Kill Assessment (SKA) Security Classification Guide (NOTE: Updated SKA SCG is waiting on Director's Signature)	MDA/D	16 Nov 2015
Missile Defense Tracking System Security Classification Memorandum, with Attachment	MDA/SS	5 Dec 2017

## **10.0 Statement of Objectives and Outcomes**

### **10.1 Task Order Administration**

This portion of this PWS contains structure, objectives and outcomes with respect to the administration of the Task Order. This PWS element represents the work required to administer

the Task Order and the Enterprise Support of the Task Order's work and resources. For this Task Order, work is estimated at this level in the PWS (10.1, 10.2, 10.3, etc.).

#### 10.1.1 Task Order Management

This PWS element represents the work specifically required to support the management of requirements of the overall Task order, which includes all reporting, briefings, awards, modifications, SSIs, etc.

##### 10.1.1.1 Stakeholder Technical Integration Management (STIM) and Systems Engineering and Integration (SEI) Management

Objective #1: The contractor shall provide the resources and information to communicate and manage task order performance.

Outcomes:

- Provide a single POC responsible for managing the cost, schedule, risk, and technical performance of the TO.
- Provide a single POC to serve as a liaison to the COTR or Assistant COTR (ACOTR) who is responsible for providing insight on TO performance.
- TO activities are managed in accordance with the IRES Program Management Plan (CDRL TO8002 C008).
- All TO requirements are identified, managed, validated, and verified in accordance with the contractor's IRES Systems Engineering Master Plan.
- A common Enterprise Architecture vision is implemented IRES-wide to support MDA "to-be" architectures, including the identification of gaps and lessons learned.

Objective #2: The contractor shall provide task order reporting to accurately monitor status in accordance with CDRL and Milestone requirements.

Outcomes:

- IPMR and TO status report for the TO are delivered per CDRL requirements.
- TO status (e.g., technical, cost, schedule) is reported to the COTR on a monthly basis in accordance with CDRL requirements.
- TO status includes cost and schedule performance by WBS and IRES organization structure; significant accomplishments; customer concerns or issues; TO risks and mitigation status; performance against the IRES contract, SE&PI, and TO SSIs; achievements relative to the utilization goals in the contractor's Small Business Participation and Commitment Plan; quality assurance reviews, audit results, and non-conformance finding closure reports; safety information.
- TO performance trends are identified, tracked and shared with the COTR, ACOTR, and applicable government stakeholders.

- CDRL C001: Integrated Program Management Report (DFARS 252.234-7002 EVMS does not apply since this TO is below \$20M.)
- CDRL C002: Task Order Status Report

#### 10.1.1.2 Responsible Organization Management

Objective #1: The contractor shall provide qualified personnel and manage personnel issues to perform TO activities.

Outcomes:

- The workforce is managed efficiently, mitigating workforce surge and drawdown impacts, analyzing workforce trends, and forecasting workforce needs IRES-wide.
- A trained and qualified workforce is maintained that is able to perform the functions necessary to operate, support, and sustain MDIOC facilities and systems.

Objective #2: The contractor shall maintain accountability of all property under its control and provide reporting to ensure government situational awareness of property status.

Outcomes:

- Material Inspection and Receiving Report is submitted as required by DFARS 252.246-7000 for the delivery of all CAP classified as Equipment, Special Test Equipment, and Special Tooling by using the Invoicing, Receipt, Acceptance, and Property Transfer (iRAPT) application in the Wide Area Workflow (WAWF) e-Business Suite in accordance with the instructions provided in the CLIN 7991.

#### 10.1.1.3 Administrative Support

Objective #1: The contractor shall provide resources to manage the contractual requirements, and provide financial oversight and performance tracking for the task order.

Outcomes:

- Task Order financial management activities ensure that task order reporting, including EVM reporting, accurately reflect the current state of TO financial performance and status.
- TO contractual deliverables are provided within the agreed to schedule, in the correct formats and to a high level of quality.

#### 10.1.2 Enterprise Task Order Support

This PWS element represents the work of enterprise support to the Task Order's work and resources.

##### 10.1.2.1 Enterprise Management

Objective #1: The contractor shall provide the resources and data to enable enterprise management of this task order for human resources, business/finance, and JEMS in support of integration.

Outcomes:

- IPMR and TO status report for the TO are delivered per CDRL requirements.
- TO status (e.g., technical, cost, schedule) is reported to the COTR on a monthly basis in accordance with CDRL requirements.
- MDA customers and stakeholders have on-demand access to a TO status report dashboard.
- TO export control requirements are managed to comply with DoD and MDA requirements, including International Traffic in Arms Regulations (ITAR) (22 CFR 120-130) and Technical Assistance Agreements processes as required.
- Any individuals requiring access to Government information technology systems have completed Information Assurance Awareness training.
- Personnel performing information assurance functions on national security systems meet the Committee on National Security Systems training requirements.

#### 10.1.2.2 Mission and Performance Assurance

Objective #1: The contractor shall perform System Engineering functions to ensure the products and services provided under this TO utilize established Systems Engineering practices that are standardized across the IRES contract in support of the MDA mission.

Outcomes:

- Deliver an Integrated Master Schedule (IMS), in accordance with Integrated Program Management Report (IPMR) requirements, using the contractor's JEMS Portal.
- The TO IMS is integrated into the contractor's IRES Integrated Schedule (IIS).
- Systems Integration requirements and capabilities gaps, lessons learned, and a common MDIOC system vision are integrated enterprise-wide.
- Critical assets are managed, to include conflict forecasting and de-confliction, across the IRES enterprise.

Objective #2: The contractor shall track, manage and report on TO performance measures, including metrics, lessons learned and accomplishments.

Outcomes:

- Based on TO performance trends, periodic audits of task estimates are performed, TO risks are tracked, and schedule accuracy is evaluated.
- All TO CDRLs are delivered on time and with accurate information.

- Customer satisfaction with the services and products delivered in this TO is solicited and tracked.
- TO performance is continuously evaluated and improved using objective performance measures.
- TO lessons learned, best practices, and accomplishments are collected and shared with the COTR, ACOTR, other government stakeholders, and IRES workforce.

Objective #3: The contractor shall incorporate Mission Assurance activities into all TO tasks in support of the MDA mission.

Outcomes:

- TO asset configurations are managed in accordance with the IRES Configuration Management Plan (CDRL TO8002 C022).
- TO risks are managed in accordance with the IRES Risk Management Plan (CDRL TO8002 C021).
- The quality of TO activities is assured in accordance with the Quality Assurance Program Plan (CDRL TO8002 C020).
- TO supplies are purchased in accordance with the IRES Supply Chain Risk Management Plan, including the development of a supply chain map and authorized suppliers list for critical systems.

Objective #4: The contractor shall provide information security, physical security, export control and cybersecurity training and processes in accordance with federal, DoD and agency requirements to safeguard the conduct of the MDA mission through the IRES contract.

Outcomes:

- MDA-identified Critical Program Information (CPI) and Critical Technologies (CT) are protected to the standards required in DoDI 5200.39
- TO cybersecurity risks are managed in accordance with the Cybersecurity Risk Management Plan (CDRL TO8002 C016).
- All Controlled Unclassified Information is protected from unauthorized access, disclosure, incident, or compromise.
- All contractor-managed TO systems maintain System Authorization in accordance with DoDI 8510.01, Risk Management Framework.
- Cybersecurity requirements and considerations are integrated into TO systems engineering, design, and risk management processes.
- All contractor-managed TO systems are operated in accordance with cybersecurity requirements.
- Security administration is provided to comply with applicable DoD, MDA, and local security directives, policies, procedures, and instructions for physical security and for the

safeguarding of BMDS controlled and classified information, to include proper document marking, classification, storage, accountability, transmittal, and destruction.

- Personnel requiring privileged access maintain appropriate computing environment certifications for the operating system(s) and/or security related tools/devices they support or operate.

Objective #4: The contractor shall promote and enforce safe and sustainable work practices to prevent personnel injury, damage to property or harm to the environment.

Outcomes:

- TO activities are performed in accordance with the Mishap Prevention and Safety Plan (CDRL TO8002 C024) to prevent personnel injury and property damage.
- TO activities are performed in accordance with the Environmental Program Plan (CDRL TO8002 C023) to prevent harm to the environment and maximize sustainable practices.

#### 10.1.2.3 Functional Management and Administrative Support

Objective #1: The contractor shall provide a functional management oversight structure to lead, manage and assign resources within their organization.

Outcomes:

- Functional oversight is provided to matrixed personnel to ensure availability and maturity of workforce to perform Task Order requirements.

Objective #2: The contractor shall provide functional administrative and management support as required to communicate and deliver enterprise integration.

Outcomes:

- Functional administration is provided to matrixed personnel to ensure effective communication and enterprise integration as it relates to Task Order requirements and performance.

#### 10.1.3 Task Order Award and Modification

Objective #1: The contractor shall provide the resources and data to provide timely and accurate proposals to government requirements for proposal and other contract modification actions.

### 10.2 MDSEA Requirements Analysis

The contractor shall develop a MDSEA for future R&D of Experimental or Developmental BMDS space capabilities, Operational Space Sensor Layer (SSL), and potential space-based or other sensor systems. In providing this capability the contractor shall complete the following Systems Requirements Definition/Architecture phase as outlined in this task.

Requirements Analysis Objective 1: The contractor shall capture the requirements (clearly delineating classification requirements) along with applicable Federal and DoD directives. The contractor shall present the requirements package during the Architecture/Engineering ERB/EAB meetings for approval. The contractor shall establish the architecture and perform an analysis of the requirements and direction, and propose analysis of alternatives (AOA) and recommendation. At the end of this phase the contractor shall identify the artifacts that will be produced and delivered in the PDR and DDR phases.

Outcomes:

Systems Requirements/Architecture Package		
Product	Product Type	% Complete
Requirements Traceability Matrix (RTM)	Document	40%
Requirements Slide Package	Slide Package	100%
Operational Viewpoint (OV-1)	Diagram	75%
Capability Viewpoint (CV-1)	Diagram	50%
Service Viewpoint (SvcV-1)	Diagram	25%
RTM Update	Document	50%
AoA / CoA	Slide Package	100%

- Identify and propose solutions and technologies that provide enhanced performance, accuracy, reliability, maintainability, deployability, survivability, and supportability of IT systems, subsystems, and equipment (including support equipment).
- Design in architectural flexibility: Capability to provide flexibility and scalability for the addition or deletion of MDA space experiments requiring multiple and diverse external connections at security levels ranging from unclassified to collateral Secret.
- Operate in the context of the System Engineering Management Plan (SEMP) and established governance processes reflected through standardized engineering artifacts and an integrated systems engineering approach to design efforts to meet technical requirements.
- Develop innovative, efficient, scalable or extensible systems, use or reuse of existing Tier II or Tier III IT infrastructure, modular for ease of decommissioning, targeting reductions in Life Cycle Cost.
- Collaborate with stakeholders (TEAMS, Specialty Engineering, Specialized Warfighter Development Contract (SWDC), MDA Elements with capabilities at MDSC (MDA/DV, MDA/BC).
- CDRL C003: HQ079618F4100, Project Engineering Documentation. Comply with DoDAF 2.0 to the maximum extent possible in the development of the MDSEA, and achieve conformance when the Project Engineering Documentation ensures the reuse of information, architecture artifacts, models, and viewpoints can be shared with common understanding in describing the architecture and its data.

Requirements Analysis Objective 2: The contractor shall define cybersecurity MDSEA requirements in accordance with RMF as applicable to the potential system environments and their interfaces.

Outcome:

- Capture cybersecurity requirements

10.2.1 MDSEA Common Environment and R&D. The contractor shall achieve objectives 1 and 2 above for a future MDSEA common environment for the systems below in 10.2.2, 10.2.3, and 10.2.4 and define the overarching infrastructure and connectivity requirements for the MDSEA that provide the following outcomes:

- Integration and participation in MDA DT/OT test venues to include Hardware-in-the-Loop (HWIL) integrated and distributed ground tests, Objective Simulation Framework (OSF) digital modeling environment, and live flight test participation in a primary, secondary, tertiary, or associated operations architecture.
- Conduct concurrent training, testing, and operations (CTTO).
- Data management and transfer to the Missile Defense Data Center (MDDC) IAW the Missile Defense Test Data/Information Management (MDA Directive 3200.06).
- Bulk data management, data analysis, data retrieval and playback.
- The contractor shall consider the scalability and agility to provision for potential activation of the Future Systems Engineering, Integration and Operations Requirements Analysis PPWPs listed below in the MDSEA common environment.
- For the MDSEA R&D the contractor shall achieve objectives 1 and 2 above for the future R&D of Experimental or Developmental BMDS space capabilities environment.

10.2.2 RESERVED

10.2.3 MDSEA Operational Space Sensor Layer (SSL). The contractor shall achieve objectives 1 and 2 above for the BMDS integration and operations of the SSL environment.

10.2.4 ODC

10.2.5 HARDWARE

10.2.6 SOFTWARE

10.2.7 ODC

10.2.8 TRAVEL

10.2.9 PPWP – Future Systems Engineering, Integration and Operations Requirements Analysis (PPWP x2). The contractor shall achieve objectives 1 and 2 above for a BMDS sensor's systems engineering, integration and operations.

### 10.3 MDSEA Preliminary Design

Based on the requirements analysis above, the contractor shall develop a MDSEA preliminary design for future R&D of Experimental or Developmental BMDS space capabilities, Operational Space Sensor Layer (SSL), and potential space-based or other sensor systems. In providing this capability the contractor shall complete the following Preliminary Design phase as outlined in this task.

Preliminary Design Objective 1: The contractor shall develop the Preliminary Design Review to meet the approved requirements, COA Operations Strategy and DoDAF business model(s), while being compliant with Federal and DoD direction, DoD and MDA standards. The contractor shall present the PDR during the EAB meetings for approval.

Outcomes:

Preliminary Design Package		
Product Activity (Potential)	Product Type	% Complete
OV-1 Update	Diagram	100%
CV-1 Update	Diagram	100%
SvcV-1 Update	Diagram	50%
SV-1 Update	Diagram	50%
Employment Concept Outline	Document	10%
RTM Update	Document	75%
Bill of Materials / Rough Order of Magnitude (BOM/ROM)	Document	50%
High Level Design	Slide Package	100%
Risk Register	Slide Package	50%
DRCOOP / Backup Plan	Slide Package	50%

- CDRL C003: HQ079618F4100, Project Engineering Documentation. Comply with DoDAF 2.0 to the maximum extent possible in the development of the MDSEA, and achieve conformance when the Project Engineering Documentation ensures the reuse of information, architecture artifacts, models, and viewpoints can be shared with common understanding in describing the architecture and its data.

Preliminary Design Objective 2: The contractor shall incorporate cybersecurity MDSEA requirements into the preliminary design in accordance with RMF as applicable to the potential system environments and their interfaces.

Preliminary Design Objective 3: The contractor shall perform any prototyping, modeling and simulation necessary to accomplish the identified tasks.

10.3.1 MDSEA Common Environment and R&D. The contractor shall achieve objectives 1 through 3 above for a future MDSEA common environment and R&D of Experimental or Developmental BMDS space capabilities environment.

### 10.3.2 RESERVED

10.3.3 MDSEA Operational Space Sensor Layer (SSL). The contractor shall achieve objectives 1 through 3 above for the BMDS integration and operations of the SSL environment. At the beginning of this phase the contractor shall propose the “% Complete” for the products identified in Preliminary Design Objective 1 since the PDR will occur outside the current period of performance.

### 10.3.4 HARDWARE

### 10.3.5 SOFTWARE

### 10.3.6 ODC

### 10.3.7 TRAVEL

10.3.8 PPWP - Future Systems Engineering, Integration and Operations Preliminary Design (PPWP x2). The contractor shall achieve objectives 1 through 3 above for a BMDS sensor’s systems engineering, integration and operations.

## 10.4 MDSEA Detailed Design

Based on the preliminary design above, the contractor shall develop a MDSEA detailed design for future R&D of Experimental or Developmental BMDS space capabilities, Operational Space Sensor Layer (SSL), and potential space-based or other sensor systems. In providing this capability the contractor shall complete the following Detailed Design phase as outlined in this task.

Detailed Design Objective 1: The contractor shall establish the Detailed Design based on the approved EAB PDR while being compliant with DoD and MDA standards. The contractor shall present the Detailed Design to the EAB Detailed Design Review (DDR) for government and customer approval.

Outcomes:

Detailed Design Package		
Product (Potential)	Product Type	% Complete
SvcV-1 Update	Diagram	100%
SV-1 Update	Diagram	100%
Rack Elevation Drawing	Diagram	100%
Facility Layout Drawing	Diagram	100%
Employment Concept	Document	75%
RTM Update	Document	90%
BOM/ROM Update	Document	100%
Detailed Design	Slide Package	100%

Detailed Design Package		
Product (Potential)	Product Type	% Complete
DRCOOP / Backup Plan	Slide Package	100%
Implementation Plan	Slide Package	100%
Implementation Test Plan	Slide Package	75%
Risk Register Update	Slide Package	100%
Vendor Maintenance	Slide Package	100%
Monitoring Trap and Polling	Slide Package	100%

- CDRL C003: HQ079618F4100, Project Engineering Documentation. Comply with DoDAF 2.0 to the maximum extent possible in the development of the MDSEA, and achieve conformance when the Project Engineering Documentation ensures the reuse of information, architecture artifacts, models, and viewpoints can be shared with common understanding in describing the architecture and its data.

Detailed Design Objective 2: The contractor shall initiate the Cybersecurity Risk Assessment, Reviews and delivery documentation in accordance with the outcome below.

Outcome:

- Develop RMF artifacts through RMF step 2 by the end of DDR.

10.4.1 MDSEA Common Environment. The contractor shall achieve objectives 1 and 2 above for a future MDSEA common environment and R&D of Experimental or Development BMDS space capabilities environment

10.4.2 MDSEA Operational Space Sensor Layer (SSL). RESERVED.

10.4.3 Hardware

Software

ODC

Travel

10.4.4 PPWP – Future Systems Engineering, Integration and Operations Detailed Design (PPWP x2). The contractor shall achieve objectives 1 and 2 above for a BMDS sensor's systems engineering, integration and operations.

## 10.5 Missile Defense Space Operations Centers (MDSOCs) (Facility Infrastructure)

The contractor shall start the design for the Missile Defense Space Operations Centers (MDSOCs) for the integration and operations of the Space Sensor Layer (SSL) and potential future space based or other sensor systems. The MDSOCs shall have the capability to provide all phases of space system lifecycle from design, development, integration, test, launch,

operations, transition to Service Provider Agencies (e.g. Air Force), or system disposal (end of life). Execute the MDSOCs project in accordance with the Facility Projects Task Order 8600 standard project Objectives and Outcomes up to completion of Requirements Review (PDR and DDR will be accomplished after this period of performance). Between the twelfth and fifteenth month after contract, the government will determine if Detailed Design, Implementation, and Closeout/Transition phases will occur on this task order or Task Order 8600.

#### 10.5.1 Facility Requirements Review.

Objective 1: The contractor shall coordinate and collaborate with the Contracting Officer's Technical Representative (COTR)/customer to identify, document and track all requirements.

Outcomes:

- Conduct customer coordination and communications.
- Respond to requests for information, problem resolution, coordinating access to the Restricted Area and materials tracking.
- Develop a Requirements Traceability Matrix (RTM) which identifies specific requirements, derived requirements, and all infrastructure requirements.
- Vet the RTM with applicable stakeholders and receive approval by the COTR.
- Manage the RTM as a "living document" and provide notification of all updates to the COTR.
- Deliver high-level requirements to the ERB/DRB.
  - CDRL: C004: HQ079618F4100, Space Planning Layout Documentation

### 10.6 PPWP - Missile Defense Space Enterprise Architecture Future Studies (PPWP x4)

10.6.1 Objective 1: The contractor shall conduct studies or AoAs to determine tactical or strategic initiatives to optimize MDSEA or missile defense efficiencies and capabilities.

AoAs provide a framework to consistently evaluate and compare the value of different solutions for providing a needed capability to specific end users. An IRES AoA will conduct the following steps:

- Plan: Define decision/objectives supported, identify stakeholders, define the schedule/funding/effort, establish the study team, prepare the study plan.
- Establish analysis foundation/framework: Define the analysis problem statement, context, scope, and framework for alternative comparison, including criteria to be used. Establish ground rules and assumptions that frame the analysis. Address data needs, collection, and sources prior to and during the study.
- Identify and define alternatives: Identify multiple alternatives (one of which could be to maintain the "status quo") that address the stated problem within the context and scope defined. The final set of alternatives evaluated should be the product of thorough research, vetting, and filtering.
- Assess alternatives: Evaluate each alternative against established criteria (e.g., cost, risk, effectiveness/benefit); conduct sensitivity analysis.
- Compare alternatives: Determine the relative merits of the alternatives as exposed by the analysis.

- **Report results:** Document results that provide decision-maker/stakeholder needs.

**Outcomes:**

- Details the potential application of a technology or other solution for the MDSEA.
- Provides a technology assessment of one or more solutions.
- Recommend solutions that provide a MDSEA or missile defense enhancement
- Details the expected cost and benefit analysis.
- Provides sufficient detail to immediately activate PPWP 10.2.4 or 10.7.
  - Deliver CDRL C005: HQ079618F4100, [Study Title]

## **10.7 PPWP - Missile Defense Space Enterprise Architecture Prototyping (PPWP x4)**

10.7.1 Objective 1: The contractor shall provide a proactive identification, assessment, and implementation of new technologies for enhanced sustainment and accelerated advancement in both missile defense capabilities and MDSEA management tools. Based on the identification of a prototype for implementation, the contractor shall engage in the Rapid Technology Integration approach in accordance with IRES proposal 3a Jacobs Org (Key Approach Framework, 3.2.1 Identifying Innovations and Efficiencies), and 3j Jacobs EITS AN (1.3.2 Technology Implementation Architecture) to optimize the following goals for MDSEA:

**Outcomes:**

- Incorporate industry best practices
- Leverage initiatives and standards
- Integrate innovative solutions (employees, sub-contractors, teammates, stakeholders)
- Incorporate strategic technology implementation as part of the EITS Roadmap

10.7.2 Objective 2: The contractor shall manage each prototype as a project using Agile methods to the optimum extent to deliver a solution and achieve the following:

**Outcomes:**

- Compliant with Federal regulations, MDA CIO directives, and cybersecurity requirements
- Evaluated by a collaborative implementation team (including the end users)
- Effectively managed for risk and cost
- Supplemented by business case analysis which assesses the return against the total investment (one-time and full-life cycle costs) and associated risks
- Confirm or deny the prototype is the desired solution and capture lessons learned for potential transition from development to operations

<b>ORDER FOR SUPPLIES OR SERVICES</b>										PAGE 1 OF 12			
1. CONTRACT/PURCH. ORDER/AGREEMENT NO. HQ079617D0001			2. DELIVERY ORDER/CALL NO. HQ079618F5500P00006		3. DATE OF ORDER/CALL (YYYYMMDD) 2018 Feb 28		4. REQ. PURCH. REQUEST NO. See Schedule		5. PRIORITY  DX-C9				
6. ISSUED BY MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300			CODE HQ0796		7. ADMINISTERED BY (if other than 6) DCMA HUNTSVILLE 1040 RESEARCH BLVD SUITE 100 MADISON AL 35758-2040			CODE S0107A		8. DELIVERY FOB <input checked="" type="checkbox"/> DESTINATION <input type="checkbox"/> OTHER  (See Schedule if other)			
9. CONTRACTOR JACOBS TECHNOLOGY INC. 550 WILLIAM NORTHERN BLVD. TULLAHOMA TN 37388-4727 NAME AND ADDRESS			CODE 7EBK3		FACILITY		10. DELIVER TO FOR POINT BY (Date) (YYYYMMDD) <b>SEE SCHEDULE</b>		11. MARK IF BUSINESS IS <input type="checkbox"/> SMALL <input type="checkbox"/> SMALL DISADVANTAGED <input type="checkbox"/> WOMEN-OWNED				
							12. DISCOUNT TERMS		13. MAIL INVOICES TO THE ADDRESS IN BLOCK See Item 15				
14. SHIP TO MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300			CODE HQ0796		15. PAYMENT WILL BE MADE BY DCAS COLUMBUS CENTER SOUTH ENTITLEMENT OPERATIONS P. O. BOX 182264 COLUMBUS OH 43218-2264			CODE HQ0338		MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2.			
16. TYPE OF ORDER		DELIVERY/ CALL		<input checked="" type="checkbox"/>		This delivery order/call is issued on another Government agency or in accordance with and subject to terms and conditions of above numbered contract.							
		PURCHASE		<input type="checkbox"/>		Reference your quote dated Furnish the following on terms specified herein, REF:							
ACCEPTANCE. THE CONTRACTOR HEREBY ACCEPTS THE OFFER REPRESENTED BY THE NUMBERED PURCHASE ORDER AS IT MAY PREVIOUSLY HAVE BEEN OR IS NOW MODIFIED, SUBJECT TO ALL OF THE TERMS AND CONDITIONS SET FORTH, AND AGREES TO PERFORM THE SAME.													
NAME OF CONTRACTOR				SIGNATURE				TYPED NAME AND TITLE				DATE SIGNED (YYYYMMDD)	
<input checked="" type="checkbox"/> If this box is marked, supplier must sign Acceptance and return the following number of copies: 1													
17. ACCOUNTING AND APPROPRIATION DATA/ LOCAL USE  See Schedule													
18. ITEM NO.		19. SCHEDULE OF SUPPLIES/ SERVICES				20. QUANTITY ORDERED/ ACCEPTED*		21. UNIT		22. UNIT PRICE		23. AMOUNT	
		SEE SCHEDULE											
* If quantity accepted by the Government is same as quantity ordered, indicate by X. If different, enter actual quantity accepted below quantity ordered and encircle.						24. UNITED STATES OF AMERICA TELEPHONE (b)(6) E-MAIL (b)(6)@a.mil FAX (b)(6)		25. TOTAL \$2,180,298.00 EST		26. DIFFERENCES			
27a. QUANTITY IN COLUMN 20 HAS BEEN <input type="checkbox"/> INSPECTED <input type="checkbox"/> RECEIVED <input type="checkbox"/> ACCEPTED, AND CONFORMS TO THE CONTRACT EXCEPT AS NOTED													
b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE						c. DATE (YYYYMMDD)		d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE					
e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE						28. SHIP NO.		29. DO VOUCHER NO.		30. INITIALS			
f. TELEPHONE NUMBER						g. E-MAIL ADDRESS							
36. I certify this account is correct and proper for payment.						<input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL		32. PAID BY		33. AMOUNT VERIFIED CORRECT FOR			
a. DATE (YYYYMMDD)		b. SIGNATURE AND TITLE OF CERTIFYING OFFICER				31. PAYMENT <input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL				34. CHECK NUMBER			
										35. BILL OF LADING NO.			
37. RECEIVED AT		38. RECEIVED BY		39. DATE RECEIVED (YYYYMMDD)		40. TOTAL CONTAINERS		41. S/R ACCOUNT NO.		42. S/R VOUCHER NO.			

Section B - Supplies or Services and Prices

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1000	<p>Services/Capabilities CPIF The contractor shall provide all services/capabilities identified in the performance work statement (PWS) attached to this task order. All task order costs, other than those specifically included in another contract line item number (CLIN), are included in this CLIN.</p> <p>All share ratios are identified as follows Government/Contractor. The share ratios are subject to revision in accordance with the IRES Performance Evaluation and Incentive Plan (Contract Attachment J-06).</p> <p>FOB: Destination PURCHASE REQUEST NUMBER: HQ0147863399</p>	(b)(4)			(b)(4)
				TARGET COST TARGET FEE	(b)(4)
				TOTAL TGT COST + FEE	
				MINIMUM FEE	
				MAXIMUM FEE	
				SHARE RATIO ABOVE TARGET SHARE RATIO BELOW TARGET	

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100001	<p>Incremental Funding</p> <p>ACRN AA</p> <p>PURCHASE REQUEST NUMBER: HQ0147863399</p>	(b)(4)

Page 3 of 12

ITEM NO	SUPPLIES/SERVICES
100002	

AMOUNT

## Incremental Funding

ACRN AC

(b)(4)

PURCHASE REQUEST NUMBER: HQ0147967714

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNITPRICE
1040		(b)(4)		

AMOUNT.

(b)(4)

Expensed CAP: IT HW/Equip  
CPIF

Contractor purchase of expensed contractor-acquired property (CAP)—specifically information technology (IT) hardware (HW)/equipment (equip)—necessary to provide the services/capabilities identified in the PWS attached to this task order. CAP is defined in FAR 52.245-1. IT hardware/equipment is a subset of equipment as defined in DoDI 5000.64.

Expensed CAP line items were created as an accounting mechanism designed to provide MDA better visibility and linkage of budget, obligation, expenditure, and government property data. Given the need for this level of visibility and linkage, as well as the need to include these costs as an integral component of the incentives, all task order CLINs combined and considered a single entity for the purpose of administering the cost and performance incentives identified in the IRES PEIP (Contract Attachment J-06).

All share ratios are identified as follows: Government/Contractor. The share ratios are subject to revision in accordance with the IRES PEIP.

NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.

FOB: Destination

PURCHASE REQUEST NUMBER: HQ0147863399

TARGET COST  
TARGET FEE

(b)(4)

TOTAL TGT COST + FEE  
MINIMUM FEE  
MAXIMUM FEE

SHARE RATIO ABOVE TARGET  
SHARE RATIO BELOW TARGET

FSC CD: 7025

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104001	Incremental Funding	
	ACRN AB	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863399	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104002	Incremental Funding	
	ACRN AC	(b)(4)
	PURCHASE REQUEST NUMBER: HQ014796771 4-0001	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1060		(b)(4)			(b)(4)

Expensed CAP: COTS IUS  
 CPIF

Contractor purchase of expensed contractor-acquired property (CAP)—specifically commercial-off-the-shelf (COTS) internal use software (IUS)—necessary to provide the services/capabilities identified in the PWS attached to this task order. CAP is defined in FAR 52.245-1. COTS IUS is a subset of IUS as defined in DoDI 5000.76.

Expensed CAP line items were created as an accounting mechanism designed to provide MDA better visibility and linkage of budget, obligation, expenditure, and government property data. Given the need for this level of visibility and linkage, as well as the need to include these costs as an integral component of the incentives, all task order CLINs are combined and considered a single entity for the purpose of administering the cost and performance incentives identified in the IRES PEIP (Contract Attachment J-06).

All share ratios are identified as follows: Government/Contractor. The share ratios are subject to revision in accordance with the IRES PEIP.

NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.

FOB: Destination

PURCHASE REQUEST NUMBER: HQ01 47863399

TARGET COST  
 TARGET FEE  
 TOTAL TGT COST + FEE  
 MINIMUM FEE  
 MAXIMUM FEE  
 SHARE RATIO ABOVE TARGET  
 SHARE RATIO BELOW TARGET

(b)(4)

FSC CD: 7030

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106001	Incremental Funding	
	ACRN AB	(b)(4)
	PURCHASE REQUEST NUMBER: HQ01 47863399	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
7990		1	Lot		NSP

Data  
FFP  
The contractor shall deliver all data identified in the contract data requirements lists (CDRL) attached to this task order.

Reference Section G of the basic contract. At the end of the task order period of performance, the contractor shall submit one Invoicing, Receipt, Acceptance, and Property Transfer (iRAPT) receiving report for all data previously delivered.

FOB: Destination  
PURCHASE REQUEST NUMBER: HQ01 47863399

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NET AMT

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
7991		7	Lot		NSP

Expensed CAP Delivery  
FFP  
Delivery of expensed CAP as required by the IRES Government Property Management Task Order.  
NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.  
FOB: Destination  
PURCHASE REQUEST NUMBER: HQ0147863399

---

NET AMT

FSC CD: AC23

Section E - Inspection and Acceptance

INSPECTION AND ACCEPTANCE TERMS

Supplies/services will be inspected/accepted at:

CLIN	INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
1000	Destination	Government	Destination	Government
100001	N/A	N/A	N/A	N/A
100002	N/A	N/A	N/A	N/A
1040	Destination	Government	Destination	Government
104001	N/A	N/A	N/A	N/A
104002	N/A	N/A	N/A	N/A
1060	Destination	Government	Destination	Government
106001	N/A	N/A	N/A	N/A
7990	Destination	Government	Destination	Government
7991	Destination	Government	Destination	Government

Section F - Deliveries or Performance

DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	DODAAC / CAGE
1000	POP 05-MAR-2018 TO 30-JUN-2019	N/A	MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 FOB: Destination	HQ0796
100001	N/A	N/A	N/A	N/A
100002	N/A	N/A	N/A	N/A
1040	30-JUN-2019	1	MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 FOB: Destination	HQ0796
104001	N/A	N/A	N/A	N/A
104002	N/A	N/A	N/A	N/A
1060	30-JUN-2019	1	MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 FOB: Destination	HQ0796
106001	N/A	N/A	N/A	N/A
7990	POP 05-MAR-2018 TO 30-JUN-2019	N/A	MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 FOB: Destination	HQ0796
7991	POP 05-MAR-2018 TO 30-JUN-2019	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796

Section G - Contract Administration Data

PRICED PERSPECTIVE WORK PACKAG  
 PRICED PERSPECTIVE WORK PACKAGE

Priced Prospective Work Packages (PPWPs) represent potential requirements included in this TRD that are priced and negotiated but not yet awarded. The PPWP may be awarded/executed in accordance with clause H-03, Task Orders at a later date with a bilateral modification to the task order if/when the requirement is ultimately needed and funded. The PPWPs negotiated to date are included in Attachment 2 to the Task Order. The below referenced PPWPs have been executed:

LIMITATION OF FUNDS  
 LIMITATION OF FUNDS

Pursuant to the "Limitation of Funds" clause (FAR 52.232-22). The total sum presently available for payment by the Government and allotted each contract line item is:

CLIN 1000 (b)(4)  
 CLIN 1040 (b)(4)  
 CLIN 1060 (b)(4)

Total: (b)(4)

Based on the information available to the Government, this amount will cover costs associated with:

CLIN 1000: through 30 June 2019  
 CLIN 1040 through 30 June 2019  
 CLIN 1060: through 30 June 2019

The contractor shall invoice all CLINs in accordance with DFARS 252.204-0004 Line Item Specific: by Fiscal Year (SEP 2009).

ACCOUNTING AND APPROPRIATION DATA

AA: 04441-007-0400000 N 20182019 D 2520X1_SX01P_FY18	B2-BCONP-FY1819	7IBC	255
AMOUNT: (b)(4)			
AB: 04441-007-0400000 N 20182019 D 2520 X1_SX01P_FY18	B2-BCONP-FY1819	7IBC	310
AMOUNT: (b)(4)			
AC: 04441-007-0400000 N 20192020 D 2500X1_SX01P_FY19	B2-BCONP-FY1920	7IBC	255
AMOUNT: (b)(4)			
ACRN	CLIN/SLIN	CIN	AMOUNT

AA	100001	HQ0147863399000101
AB	104001	HQ0147863399000201
	106001	HQ0147863399000301
AC	100002	HQ01479677140001
	104002	HQ01479677140002

(b)(4)

CLAUSES INCORPORATED BY REFERENCE

52.232-22      Limitation Of Funds

APR 1 984

CLAUSES INCORPORATED BY FULL TEXT

252.204-0003    LINE ITEM SPECIFIC: CONTRACTING OFFICER SPECIFIED ACRN ORDER. (SEP 2009)

The payment of fee shall make payment within the line item in the sequence ACRN order specified below, exhausting all funds in the previous ACRN before paying from the next ACRN.

Line Item	ACRN Order
1000	AA, AC
1040	AB, AC
1060	AB

(End of clause)

BILLING INSTRUCTIONS

Payments for CLINs 1000, 1040, and 1060 will be made in accordance with FAR 52.216-7, Allowable Cost and Payment. Payments and the fee payable under the task order are subject to adjustments in accordance with FAR 52.216-10, Incentive Fee, and performance assessments conducted in accordance with the IRES Performance Evaluation and Incentive Plan (Attachment J-06).

In accordance with FAR 52.216-10(c)(1), the Contractor is authorized to bill fee by contract line item number (CLIN) not to exceed the following:  $\frac{\text{[redacted]}}{\text{[redacted]}}$  of target fee) x (cost billed against the CLIN to date, including this voucher). Overbilling of fee as a result of this change in the billing instructions shall not be refunded to the Government, unless the overbilling cannot be corrected any other way. Instead, fee shall not be billed until the contractor is no longer in an overbilling status. The Contractor shall show the fee calculation by line item on each voucher. All task order CPIF CLINs are combined and considered a single entity for the purpose of administering the cost and performance incentives identified in the IRES PEIP (Contract Attachment J-06).

WAWF email notifications. In accordance with 252.232-7006, the Contractor shall enter the following email addresses in the "Send Additional Email Notifications" field of WAWF once a document is submitted in the system:

CLIN 7990: (b)(6)@mda.mil  
CLIN 7991: (b)(6)@mda.mil (b)(6)@mda.mil (b)(6)@mda.mil

Section I - Contract Clauses

CLAUSES INCORPORATED BY REFERENCE

252.211-7003 Item Unique Identification and Valuation

MAR 2016

Section J - List of Documents, Exhibits and Other Attachments

Exhibit/Attachment Table of Contents

DOCUMENT TYPE	DESCRIPTION	PAGES	DATE
Attachment 1	PWS Rev A	18	18-JUN-2018
Attachment 2	Attachment 2, PPWPs	1	28-FEB-2018

# BMDS Network Operations Security Center (BNOSC)

## Performance Work Statement

REV A

8 June 2018

Task Order Number: HQ0796-18-F-5500

Period of performance: 5 March 2018 – 30 June 2019

Task order type: Cost Plus Incentive Fee

Task Order Revision History		
Rev	Description of Changes	Date
Orig	Original PWS	
Rev A	CMAS added to Exhibit 1, SSI #1 and #6 weights adjusted, CDRL table and Exhibit C updated, IBR date updated, Section 7.0 updated, MST language added to 10.3.2.	8 June 2018

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## **1.0 Purpose**

The purpose of this task order is to

- (1) Maintain/sustain designated BMDS Network Operations Security Center (BNOSC) infrastructure/systems, capabilities and facilities;
- 2) Design and perform upgrades to existing systems and capabilities (including new requirements); and
- 3) Provide engineering (design) and project implementation of validated mission requirements.

## **2.0 Background**

The BNOSC is the single MDA entity, which transcends the individual elements within the MDA for operation, management, defense, command and control of the BMDS communications and applications. The BNOSC occupies areas in the Research Facility (building 720) of the Missile Defense Integration & Operations Center (MDIOC).

The BNOSC is a key strategic component for MDA and BMDS network operations and management. It is the central node responsible the integration and fusion of the health, status, and security of all network infrastructure, information, and computing systems supporting BMDS unique mission systems, and will provide a common operational picture (COP) of the BMDS network-based services to the various customers and stakeholders. The C2BMC Control Center (CCC) is now collocated with the BNOSC and share space and resources of the facility. Predecessor task orders under JRDC: 4906, 5906 and 7304.

## **3.0 Scope**

Provide IT systems/facility preventive and corrective maintenance activities ensuring BNOSC systems/facility performance and availability. Provide support for daily activities including, network management, project management and engineering design/implementation, Help Desk, and Install/Move/Add/Change (IMAC). Perform training and exercise/event support for all BNOSC spaces.

Exhibit 1 identifies the BNOSC facility areas, if the area is designated as a critical functional area and the systems supported within the BNOSC facility. Exhibit 2 provides the performance standards for Critical and Non Critical systems.

**Exhibit 1: BNOSC Areas and Systems**

Systems			C2BMC	DTS	JWICS	TDACS	viper	VTC	SVOIP	CLAN	ULAN	DRSN
Building/ Room	Critical Functional Area											
720 / 1102-01	STOC		NC						NC	NC	NC	NC
720 / 1102-02	BNOSC O&S		NC						NC	NC	NC	NC
720 / 1103-01	CCC Level 2		NC						NC	NC	NC	NC
720 / 1111	Office Floor		NC							NC	NC	
720 / 1111-02	Office							NC		NC	NC	
720 / 1117-02	Office Floor									NC	NC	NC
720 / 1117-03	S8.2 Ops	Yes	C							C	NC	C
720 / 1117-04	CCC	Yes	C			C	C		C	C	NC	C
720 / 1117-06	Office						NC	NC	NC	NC	NC	NC
720 / 1117-07	Office						NC	NC		NC	NC	NC
720 / 1117-08	Office						NC	NC		NC	NC	NC
720 / 1117-09	Office						NC	NC		NC	NC	NC
720 / 1117-10	SCIF	Yes			C				C	C	NC	C
720 / 1117-12	Conference Room							NC	NC	NC	NC	
720 / 1119	Office Floor						NC		NC	NC	NC	NC
720 / 1119-01	Office						NC	NC		NC	NC	NC
720 / 1119-02	BATS Lab		NC							NC	NC	NC
720 / 1107-01	Conference Room									NC	NC	
720 / 1107-02	CSSC	Yes	C				C	C	C	C	NC	C
720 / 1111-02	Office							NC	NC	NC	NC	
720 / 1306-02/-03/-04	DCC	Yes		C					C	C	NC	C
720 / 1306	DCC Office Floor									NC	NC	
CMAFS/2102J	Ops Space									NC*	NC*	

C	Critical Core / Non-Core Hours Response Times
NC	Non-Critical Response Time
NC*	Critical For Surge Ops Only

**Exhibit 2. Performance Standard Summary**

Objective Area	Applicable Paragraph(s)	Initial Response	Estimated Time to Repair	Situation Report	Action Completed
<b>BNOSC Operations &amp; Sustainment</b>					
Recurring Maintenance		As Scheduled	N/A	N/A	As Scheduled
Incident Request					
• Critical, Core Hours	10.2.3.3	30min	1 hour	6 hours	24 hours
• Critical, Non-Core Hours	10.2.3.3	2 hours	4 hours	6 hours	24 hours
• Non-Critical	10.2.3.4	8 hours	24 hours	N/A	72 hours
Install/Move/Add/Change (IMAC) Services	10.2.4				
• Urgent		N/A	N/A	N/A	3 days*
• Routine		N/A	N/A	N/A	14 days*
Documentation/Drawing Updates	10.2.5.1	Redline	N/A	N/A	30 days
<b>DCC Sustainment</b>					
Recurring Maintenance		As Scheduled	N/A	N/A	As Scheduled
Incident Request					
• Critical, Core Hours	10.2.3.3	1 hour	2 hours	Daily	72 hours
• Critical, Non-Core Hours	10.2.3.3	2 hours	4 hours	Daily	72 hours
• Non-Critical	10.2.3.4	24 hours	48 hours	N/A	14 days
Install/Move/Add/Change (IMAC) Services	10.2.4				
• Urgent		N/A	N/A	N/A	7 days*
• Routine		N/A	N/A	N/A	30 days*
Documentation/Drawing Updates		Redline	N/A	N/A	60 days
<b>Events &amp; Engineering Projects</b>					
Minor Project	10.3.1	N/A	N/A	N/A	90 days
Small Project	10.3.2	N/A	N/A	N/A	150 days
Documentation/Drawing Updates	10.3.1.7, 10.3.2.7	Redline	N/A	N/A	60 days
*Number of days to complete action; excludes procurement delivery time.					

**4.0 Service Summary Items**

Exhibit 3 provides the Service Summary Items applicable to this task order.

***Exhibit 3. SSIs and Weights Applicable to This Task Order***

SSI#	Title	Description	Performance Threshold UNACCEPABLE	Performance Threshold ACCEPTABLE	Performance Threshold OBJECTIVE	Weight	Assessment Method
SSI 1	(b)(4)						
SSI 2							
SSI3							
SSI4							
SSI5							
SSI6							

## 5.0 Contract Deliverable Requirements List (CDRL)

The point of delivery for all CDRL products, except as noted in Exhibit C, is the MDA E-CaRT system. The Contractor shall deliver all such products by saving and profiling them in E-CaRT, with the appropriate notification of delivery letter transmitted electronically to the Government's Data Management Office. Reference Exhibit C for specific CDRL delivery instructions.

### 5.1 CDRL Identification

Task	CDRL	DID	Title	Description
10.1	C001	DI-MGMT-81861/T	18F3100: Integrated Program Management Report, DFARS EVMS NA	Contains data for measuring cost and schedule performance. The IPMR is structured around seven formats that contain the content and relationships required for the electronic submissions.
Reserved	C002			
10.1	C003	DI-MISC-80508B/T	18F3100: Task Order Status Report, [month ending]	Provides significant accomplishments, issues, concerns, lessons learned, financials and risks associated with the task order. The report shall contain: <ul style="list-style-type: none"> <li>• New hardware, software requirements</li> <li>• A summary of all incident requests, associated response times, and root cause analysis</li> <li>• A summary of all work requests and associated response times</li> <li>• A summary of all active projects</li> <li>• Project closeout summaries that contains the final resource-loaded schedule and an element of cost summary for each project</li> </ul>
10.2.3.1	C004	DI-MISC 80508B	18F5500: Maintenance & Spare Report	Identifies type, location, and frequency of recurring sustainment activities, the sparing methodology used in establishing a "Recommended Spares Requirement List". Includes inventory of all spares and the identification of licensing, maintenance agreements, and renewal documentation of hardware and software assets..
10.2.3.2	C005	DI-MISC 80508B	18F5500: Operational Support Documents: Technology Refresh Plan	The Technology Refresh Plan takes into account the formally documented current state of the hardware necessary to execute business functions, deliver services, and maintain the logical relationships between customers, partners, and suppliers. Primarily, this superset will contain the system architecture, the storage architecture, and the network architecture across the enterprise.
Reserved	C006			

Task	CDRL	DID	Title	Description
10.2.5.1 10.3.1.6 10.3.2.6	C007	DI-MISC-80508B/T	18F5500, [Event or Project Title]: Engineering Documentation	This CDRL contains engineering documentation which potentially includes some or all of the following components: Slide Package, DoDAF Artifacts, Rack Elevation drawings, Facility Layout drawings, CONOPS, and Requirements Traceability Matrix (RTM), Version Description Documents, and Floor Plans.

## 5.2 CDRL Tailoring



18F5500 Exhibit C.pdf

The DD Form 1423 associated with each CDRL is attached:

## 6.0 Milestones

Task	Activity	Date / Days After Contract (DAC)
5.1.1.3	Baseline Review	150 DAC

Note: DAC = Days after task order period of performance start date

## 7.0 Government Property (GP) / Government Furnished Property (GFP) / Government Furnished Information (GFI) / Contractor Acquired Property (CAP)

7.1 In addition to the any GP associated with IRES Contract SOO, paragraph 6.0, the following GP is applicable to this task order:

- None

7.2 In addition to the GFP identified on IRES Contract Attachment 5, the following GFP is applicable to this task order:

- None

7.3 The following GFI is applicable to this task order:

- None

7.4 All CAP shall be managed under the terms and conditions associated with task order 18F8900 – Government Property Management task order.

## 8.0 Special Requirements

In addition to the Special Requirements identified in IRES Contract SOO, paragraph 7.0, the following are applicable to this task order:

- Core support hours required from 0800-1600MT, Monday – Friday.

## **9.0 Applicable Directives / Regulations**

In addition to the directives and regulations identified in the IRES Contract SOO, paragraph 8.0, the following are applicable to this task order:

- DODM 5200.01.

## **10.0 Performance Requirements**

The contractor shall perform the following requirements under this task order. Exhibit 2 provides the performance standards (initial response time, estimated time to repair, time to provide a situation report, and time to complete actions).

### **10.1 Task Order Administration**

This portion of this PWS contains structure, objectives and outcomes with respect to the administration of the **Task Order**. This PWS element represents the work required to administer the Task Order and the Enterprise Support of the Task Order's work and resources.

#### **10.1.1 Task Order Management**

This PWS element represents the work specifically required to support the management of requirements of the overall Task order, which includes all reporting, briefings, awards, modifications, SSIs, etc.

The contractor shall provide the resources and information to communicate and manage task order performance.

#### *Outcomes:*

- Provide a single POC responsible for managing the cost, schedule, risk, and technical performance of the TO.
- Provide a single POC to serve as a liaison to the COTR or Assistant COTR (ACOTR) who is responsible for providing insight on TO performance.
- TO activities are managed in accordance with the IRES Program Management Plan (CDRL TO8002 C008).
- All TO requirements are identified, managed, validated, and verified in accordance with the contractor's IRES Systems Engineering Master Plan.

The contractor shall provide task order reporting to accurately monitor status in accordance with CDRL and Milestone requirements.

#### *Outcomes:*

- IPMR and TO status report for the TO are delivered per CDRL requirements.
- An Integrated Baseline Review of the TO is performed within 90 days of TO award.

- TO status (e.g., technical, cost, schedule) is reported to the COTR on a monthly basis in accordance with CDRL requirements.
- TO status includes cost and schedule performance by WBS and IRES organization structure; significant accomplishments; customer concerns or issues; TO risks and mitigation status; performance against the IRES contract, SE&PI, and TO SSIs; achievements relative to the utilization goals in the contractor's Small Business Participation and Commitment Plan; quality assurance reviews, audit results, and non-conformance finding closure reports; safety information.
- TO performance trends are identified, tracked and shared with the COTR, ACOTR, and applicable government stakeholders.

#### **10.1.1.2 Responsible Organization Management**

The contractor shall provide qualified personnel and manage personnel issues to perform TO activities.

*Outcomes:*

- The workforce is managed efficiently, mitigating workforce surge and drawdown impacts, analyzing workforce trends, and forecasting workforce needs IRES-wide.
- A trained and qualified workforce is maintained that is able to perform the functions necessary to operate, support, and sustain MDIOC facilities and systems.

The contractor shall maintain accountability of all property under its control and provide reporting to ensure government situational awareness of property status.

*Outcomes:*

- The contractor shall submit a Material Inspection and Receiving Report as required by DFARS 252.246-7000 for the delivery of all CAP classified as Equipment, Special Test Equipment, and Special Tooling by using the Invoicing, Receipt, Acceptance, and Property Transfer (iRAPT) application in the Wide Area Workflow (WAWF) e-Business Suite in accordance with the instructions provided in the CLIN 7991.

#### **10.1.1.3 Administrative Support**

The contractor shall provide resources to manage the contractual requirements, and provide financial oversight and performance tracking for the task order.

*Outcomes:*

- Task Order financial management activities ensure that task order reporting, and accurately reflect the current state of TO financial performance and status.
- TO contractual deliverables are provided within the agreed to schedule, in the correct formats and to a high level of quality.

#### **10.1.2 Enterprise Task Order Support**

This PWS element represents the work of enterprise support to the Task Order's work and resources.

#### **10.1.2.1 Enterprise Management**

The contractor shall provide the resources and data to enable enterprise management of this task order for human resources, business/finance, and JEMS in support of integration.

*Outcomes:*

- IPMR and TO status report for the TO are delivered per CDRL requirements.
- TO status (e.g., technical, cost, schedule) is reported to the COTR on a monthly basis in accordance with CDRL requirements.
- MDA customers and stakeholders have on-demand access to a TO status report dashboard.
- TO export control requirements are managed to comply with DoD and MDA requirements, including International Traffic in Arms Regulations (ITAR) (22 CFR 120-130) and Technical Assistance Agreements processes as required.
- Any individuals requiring access to Government information technology systems have completed Information Assurance Awareness training.
- Personnel performing information assurance functions on national security systems meet the Committee on National Security Systems training requirements.

#### **10.1.2.2 Mission and Performance Assurance**

The contractor shall perform System Engineering functions to ensure the products and services provided under this TO utilize established Systems Engineering practices that are standardized across the IRES contract in support of the MDA mission.

*Outcomes:*

- Deliver an Integrated Master Schedule (IMS), in accordance with Integrated Program Management Report (IPMR) requirements, using the contractor's JEMS Portal.
- The TO IMS is integrated into the contractor's IRES Integrated Schedule (IIS).
- Systems Integration requirements and capabilities gaps, lessons learned, and a common MDIOC system vision are integrated enterprise-wide.
- Critical assets are managed, to include conflict forecasting and de-confliction, across the IRES enterprise.

The contractor shall track, manage and report on TO performance measures, including metrics, lessons learned and accomplishments.

*Outcomes:*

- Based on TO performance trends, periodic audits of task estimates are performed, TO risks are tracked, and schedule accuracy is evaluated.
- All TO CDRLs are delivered on time and with accurate information.
- Customer satisfaction with the services and products delivered in this TO is solicited and tracked.
- TO performance is continuously evaluated and improved using objective performance measures.

- TO lessons learned, best practices, and accomplishments are collected and shared with the COTR, ACOTR, other government stakeholders, and IRES workforce.

The contractor shall incorporate Mission Assurance activities into all TO tasks in support of the MDA mission.

*Outcomes:*

- TO asset configurations are managed in accordance with the IRES Configuration Management Plan (CDRL TO8002 C022).
- TO risks are managed in accordance with the IRES Risk Management Plan (CDRL TO8002 C021).
- The quality of TO activities is assured in accordance with the Quality Assurance Program Plan (CDRL TO8002 C020).
- TO supplies are purchased in accordance with the IRES Supply Chain Risk Management Plan, including the development of a supply chain map and authorized suppliers list for critical systems.

The contractor shall provide information security, physical security, export control and cybersecurity training and processes in accordance with federal, DoD and agency requirements to safeguard the conduct of the MDA mission through the IRES contract.

*Outcomes:*

- MDA-identified Critical Program Information (CPI) and Critical Technologies (CT) are protected to the standards required in DoDI 5200.39
- TO cybersecurity risks are managed in accordance with the Cybersecurity Risk Management Plan (CDRL TO8002 C016).
- All Controlled Unclassified Information is protected from unauthorized access, disclosure, incident, or compromise.
- All contractor-managed TO systems maintain System Authorization in accordance with DoDI 8510.01, Risk Management Framework.
- Cybersecurity requirements and considerations are integrated into TO systems engineering, design, and risk management processes.
- All contractor-managed TO systems are operated in accordance with cybersecurity requirements.
- Security administration is provided to comply with applicable DoD, MDA, and local security directives, policies, procedures, and instructions for physical security and for the safeguarding of BMDS controlled and classified information, to include proper document marking, classification, storage, accountability, transmittal, and destruction.

### **10.1.2.3 Functional Management and Administrative Support**

The contractor shall provide a functional management oversight structure to lead, manage and assign resources within their organization.

*Outcomes:*

- The Event and Warfighter Support (EWS) Director leads and manages the department to meet IRES and its applicable task orders' requirements.
- The EWS Director delivers IRES products and services which includes the correct people, processes, and tools to meet mission requirements.
- The EWS Directors tactically allocates and strategically forecasts resources within EWS and its applicable task orders to ensure the sustainment, renewal, and growth of the technical expertise within the department that meets current and future requirements.
- The EWS Director mentors and oversees the execution of event engineering, asset operations and sustainment, systems integration, and analysis to ensure the technical success of each task order within the department.

The contractor shall provide functional administrative and management support as required to communicate and deliver enterprise integration.

*Outcomes:*

- The EWS Department provides training, certifications, and career growth of each employee within the department.
- The EWS Department develops, standardizes, and deploys processes for event engineering, asset operations and sustainment, systems integration, and analysis.

### **10.1.3 Task Order Award and Modification**

The contractor shall provide the resources and data to provide timely and accurate proposals to government requirements for proposal and other contract modification actions.

## **10.2 BNOSC Operations and Sustainment**

### **10.2.1 Operations Sustainment Engineering**

The contractor shall provide services necessary for the sustainment of mission systems and capabilities to include the BNOSC Analysis and Test Suite (BATS). Sustainment activities include network management, configuration management, proactive/corrective maintenance, hardware and software refresh, break/fix service restoration, and engineering services for the areas and systems identified in Exhibit 1.

The contractor shall maintain information assurance infrastructure to MDA and DoD standards. The contractor shall maintain all sustainment engineering documentation.

- 10.2.1.1 Maintain and refresh hardware, software and current capabilities in accordance with industry best maintenance practices ensuring an appropriate mix between proactive and corrective maintenance, repair, and replacement to maintain availability of systems, equipment, and networks. Document and execute maintenance plans, schedules, and performance expectations. Utilize system performance and maintenance trending analysis to manage the maintenance program.

- 10.2.1.2 Implement an integrated approach to operate and manage IT investments that provides for the continuous identification, selection, control, life-cycle management, and evaluation of the IT investments in a structured process resulting in a systematic method maximizing the return of IT investments.
- 10.2.1.3 Critical Functional Areas (identified in Exhibit 1). Maintain continuous situational awareness to anticipate problems and react to prevent or minimize mission degradation to ensure availability of all equipment within the critical functional areas. Demonstrate agility in response to urgent operational needs and affect management of IT infrastructure and capabilities.
- Repair activities communicated, initiated, conducted, and completed with minimal impact to missions.
- Performance standards provided in Exhibit 2.
- 10.2.1.4 All areas other than Critical Functional Areas (identified in Exhibit 1): Execute routine, non-critical maintenance and sustainment activities with minimal impact to missions in accordance with the Performance standards provided in Exhibit 2.
- 10.2.1.5 Manage and maintain currency on all licensing and update services for third-party software, software drivers, and diagnostic software. Track life cycle information in relation to "Vendor End-of-life/ serviceability" and MDA Network Owner "End-of-Net worthiness and support."

## **10.2.2 Customer Support Services**

The contractor shall provide customer support services inclusive of service desk operations, touch-labor client services, conference room AV support, conference and Install/Move/Add/Change (IMAC) services and Engineering services above those service levels provided under other IRES task orders.

- 10.2.2.1 Provide Tier II help desk support during core business hours. Ensure knowledge base maintenance and development enabling first call resolution of help desk calls.
- Exhibit 2 outlines response time for help desk support calls involving the critical functional areas and systems identified in Exhibit 1.
- 10.2.2.2 Provide a work request process/system that allows government personnel to submit, assess, validate, vet, prioritize, approve, track, and evaluate work requests for non-help desk support related activities. Content of contractor response for each request: scope, need-date, identification of POCs, solution, breakout of activities, schedule, cost, and materials. Implement a change request process for schedule changes. Create a categorical binning system for approval and vetting for projects, with respect to urgency and project size. Implement a streamlined/agile process for minor work requests.

### **10.2.3 Configuration Management and Asset Control.**

The contractor shall provide facility and equipment configuration control and provide compliant asset management services of assets (equipment, software, and cell phones), from initial receipt to final disposition and maintain an auditable inventory. The contractor shall implement a mechanism for recording, tracking, and reporting the status of Configuration Items (CIs). The contractor shall examine, evaluate, and monitor baseline HW/SW to maintain version control integrity.

10.2.3.1 Maintain positive configuration management control for all facilities, cabling, systems, operating procedures, and assets. Develop and provide baselined systems artifacts (e.g. Interface Control Documents, Network Interface Control Documents, schematic, functional system overlay and architectural drawings compliant with DoDAF v2.0, etc.) that clearly diagram and articulate the system or components performance, function, and physical attributes and functional relation between parts, subsystems, and systems.

10.2.3.2 Perform asset management activities for the equipment within the BNOSC and cable management within the BNOSC areas.

### **10.2.4 Travel**

#### **10.2.4.1 PPWP: OCONUS Travel**

Travel costs, as required by the Government, in support of executing the task order requirements. Assume 1 person travelling, 5 day event in Shariki Japan. This PPWP can be executed up to 5 times.

#### **10.2.4.2 PPWP: CONUS Travel**

Travel costs, as required by the Government, in support of executing the task order requirements. Assume 1 person travelling, 5 day event in Shaw Air Force Base, South Carolina.

This PPWP can be executed up to 5 times.

### **10.3 Events and Engineering Projects**

The Contractor shall implement solutions, upgrades, enhancements and reconfigurations completing the planning, design, procurement, implementation, documentation and configuration management activities. The contractor shall adjust the outcomes as directed in the TDL based on the scope, complexity, and size of the project.

The COTR/COR will issue technical direction letters (TDLs) for all work associated with this task. Annual historical workload data will be provided to establish the baseline for this task.

#### **10.3.1 Minor Projects – Baseline**

Minor projects are characterized as those projects that historically included efforts such as: personnel moves, wall monitor replacements, workstation re-imaging, VTC trouble shooting and repair, cabling projects, circuit installs, etc.

Assume up to 25 minor projects.

- 10.3.1.1 Operate in the context of the System Engineering Management Plan (SEMP) and established governance processes reflected through standardized engineering artifacts and an integrated systems engineering approach to design efforts to meet technical requirements.
- 10.3.1.2 Perform project oversight to include customer coordination and communications and respond to requests for information and problem resolution.
- 10.3.1.3 Plan and develop sequenced, resource-loaded schedules. Identify risks, work sequencing, critical paths, and procurement lead-times, as necessary.
- 10.3.1.4 Initiate requirements management activities. Document and track requirements in a Requirements Traceability Matrix (RTM) which identifies specific and derived requirements.
- 10.3.1.5 Develop design solutions and conduct design reviews (preliminary and final) for government approval. Participate in required MDIOC review boards (Design Review Board, Engineering and Architecture Board).
- 10.3.1.6 Execute tasking instructions as detailed in approved RTM, design plans, and milestone schedules.
- 10.3.1.7 Develop, maintain, and coordinate technical documentation to include Technical Data Packages, engineering drawings, and interface control specifications for existing systems that require documentation or as a result of newly developed and/or modified systems. Ensure fully coordinated, redlined change documents are available for the government user and service technicians at customer turnover date; formal configuration control documentation and drawings updated and posted within 60 days of work/project completion.
- 10.3.1.8 Execute a project change management process.
- 10.3.1.9 Complete project close out activities.

### **10.3.2 Small Projects – Baseline**

Small projects are characterized as those projects that historically include, building modifications such as partial wall removals (not a complete refurbishment of a space), partial carpet replacement (individual spaces, not entire facility).

Each project shall be defined through a Mission Support Task (MST). After the MST is issued the contractor shall provide an engineering estimate, engineering artifacts, and implementation plan to the COTR as outlined in the MST. Upon stakeholder agreement the Contracting Officer will provide an authority to proceed for the contractor to execute and complete the project. The contractor shall establish a discrete work package for each MST. All MSTs will be identified in the PWS at 10.3.5 thru 10.3.n and added to Attachment 1 to the PWS. The Task Change

Requirement (TCR) process shall be followed when there is a need to document and communicate a potential cost, schedule, or requirements change to the MST.

Assume up to 5 small projects

- 10.3.2.1 Operate in the context of the System Engineering Management Plan (SEMP) and established governance processes reflected through standardized engineering artifacts and an integrated systems engineering approach to design efforts to meet technical requirements.
- 10.3.2.2 Perform project oversight to include customer coordination and communications and respond to requests for information and problem resolution.
- 10.3.2.3 Plan and develop sequenced, resource-loaded schedules. Identify risks, work sequencing, critical paths, and procurement lead-times, as necessary.
- 10.3.2.4 Initiate requirements management activities. Document and track requirements in a Requirements Traceability Matrix (RTM) which identifies specific and derived requirements.
- 10.3.2.5 Develop design solutions and conduct design reviews (preliminary and final) for government approval. Participate in required MDIOC review boards (Design Review Board, Engineering and Architecture Board).
- 10.3.2.6 Execute tasking instructions as detailed in approved RTM, design plans, and milestone schedules.
- 10.3.2.7 Develop, maintain, and coordinate technical documentation to include Technical Data Packages, engineering drawings, and interface control specifications for existing systems that require documentation or as a result of newly developed and/or modified systems. Ensure fully coordinated, redlined change documents are available for the government user and service technicians at customer turnover date; formal configuration control documentation and drawings updated and posted within 60 days of work/project completion.
- 10.3.2.8 Execute a project change management process.
- 10.3.2.9 Complete project close out activities.

### **10.3.3 PPWP: Minor Project Surge**

Execute an additional small project (reference ¶10.3.1). This PPWP can be executed up to 30 times.

### **10.3.4 PPWP: Small Project Surge**

Execute an additional medium project (reference ¶10.3.2). This PPWP can be executed up to 10 times.

<b>ORDER FOR SUPPLIES OR SERVICES</b>										PAGE 1 OF 16			
1. CONTRACT/PURCH. ORDER/AGREEMENT NO. HQ079617D0001			2. DELIVERY ORDER/CALL NO. HQ079618F5900P00014		3. DATE OF ORDER/CALL (YYYYMMDD) 2018 Mar 02		4. REQ. PURCH. REQUEST NO. See Schedule		5. PRIORITY  DX-C9				
6. ISSUED BY MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300			CODE HQ0796		7. ADMINISTERED BY (if other than 6) DCMA HUNTSVILLE 1040 RESEARCH BLVD SUITE 100 MADISON AL 35758-2040			CODE S0107A		8. DELIVERY FOB <input checked="" type="checkbox"/> DESTINATION <input type="checkbox"/> OTHER  (See Schedule if other)			
9. CONTRACTOR JACOBS TECHNOLOGY INC. 550 WILLIAM NORTHERN BLVD. TULLAHOMA TN 37388-4727			CODE 7EBK3		FACILITY		10. DELIVER TO FOR POINT BY (Date) (YYYYMMDD) <b>SEE SCHEDULE</b>		11. MARK IF BUSINESS IS <input type="checkbox"/> SMALL <input type="checkbox"/> SMALL DISADVANTAGED <input type="checkbox"/> WOMEN-OWNED				
NAME AND ADDRESS							12. DISCOUNT TERMS		13. MAIL INVOICES TO THE ADDRESS IN BLOCK See Item 15				
14. SHIP TO MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300			CODE HQ0796		15. PAYMENT WILL BE MADE BY DFAS COLUMBUS CENTER SOUTH ENTITLEMENT OPERATIONS P. O. BOX 182264 COLUMBUS OH 43218-2264			CODE HQ0338		MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2.			
16. TYPE OF ORDER		DELIVERY/ CALL		<input checked="" type="checkbox"/>		This delivery order/call is issued on another Government agency or in accordance with and subject to terms and conditions of above numbered contract.							
		PURCHASE				Reference your quote dated Furnish the following on terms specified herein, REF:							
ACCEPTANCE. THE CONTRACTOR HEREBY ACCEPTS THE OFFER REPRESENTED BY THE NUMBERED PURCHASE ORDER AS IT MAY PREVIOUSLY HAVE BEEN OR IS NOW MODIFIED, SUBJECT TO ALL OF THE TERMS AND CONDITIONS SET FORTH, AND AGREES TO PERFORM THE SAME.													
NAME OF CONTRACTOR				SIGNATURE				TYPED NAME AND TITLE				DATE SIGNED (YYYYMMDD)	
<input checked="" type="checkbox"/> If this box is marked, supplier must sign Acceptance and return the following number of copies: 1													
17. ACCOUNTING AND APPROPRIATION DATA/ LOCAL USE  See Schedule													
18. ITEM NO.		19. SCHEDULE OF SUPPLIES/ SERVICES				20. QUANTITY ORDERED/ ACCEPTED*		21. UNIT		22. UNIT PRICE		23. AMOUNT	
		SEE SCHEDULE											
* If quantity accepted by the Government is same as quantity ordered, indicate by X. If different, enter actual quantity accepted below quantity ordered and encircle.						24. UNITED STATES OF AMERICA TE (b)(6) EN (b)(6) BY (b)(6) meo.mil		25. TOTAL \$42,285,172.00 EST		26. DIFFERENCES			
27a. QUANTITY IN COLUMN 20 HAS BEEN <input type="checkbox"/> INSPECTED <input type="checkbox"/> RECEIVED <input type="checkbox"/> ACCEPTED, AND CONFORMS TO THE CONTRACT EXCEPT AS NOTED													
b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE						c. DATE (YYYYMMDD)		d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE					
e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE						28. SHIP NO.		29. DO VOUCHER NO.		30. INITIALS			
f. TELEPHONE NUMBER						g. E-MAIL ADDRESS							
36. I certify this account is correct and proper for payment.						31. PAYMENT <input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL		32. PAID BY		33. AMOUNT VERIFIED CORRECT FOR		34. CHECK NUMBER	
a. DATE (YYYYMMDD)		b. SIGNATURE AND TITLE OF CERTIFYING OFFICER										35. BILL OF LADING NO.	
37. RECEIVED AT		38. RECEIVED BY		39. DATE RECEIVED (YYYYMMDD)		40. TOTAL CONTAINERS		41. S/R ACCOUNT NO.		42. S/R VOUCHER NO.			

Section B - Supplies or Services and Prices

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1000		(b)(4)			(b)(4)

Services/Capabilities

CPIF

The contractor shall provide all services/capabilities identified in the performance work statement (PWS) attached to this task order. All task order costs, other than those specifically included in another contract line item number (CLIN), are included in this CLIN.

(b)(4)	<p>All share ratios are identified as follows: (b)(4) % Government (b)(4) Contractor. The share ratios are subject to revision in accordance with the IRES Performance Evaluation and Incentive Plan (Contract Attachment J-06).</p> <p>FOB: Destination</p> <p>PURCHASE REQUEST NUMBER: HQ0147863546</p>	(b)(4)
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TARGET COST  
 TARGET FEE  
 TOTAL TGT COST + FEE  
 MINIMUM FEE  
 MAXIMUM FEE  
 SHARE RATIO ABOVE TARGET  
 SHARE RATIO BELOW TARGET

(b)(4)

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100001		

Incremental Funding

ACRNAA

PURCHASE REQUEST NUMBER: HQ0147863546

(b)(4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100002	Incremental Funding	
	ACRN AE	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865468	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100003	Incremental Funding	
	ACRN AG	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863572-0001	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100004	Incremental Funding	
	ACRN AII	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865468-0002	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100005	Incremental Funding	
	ACRNAJ	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147966735	

ITEMNO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNITPRICE	AMOUNT
1040		(b)(4)			(b)(4)

Expensed CAP: IT HW/Equip  
 CPIF

Contractor purchase of expensed contractoacquired property (CAP), specifically information technology (IT) hardware (HW)/equipment (equip), necessary to provide the services/capabilities identified in the PWS attached to this task order. CAP is defined in FAR 52.245-1. IT hardware/equipment is a subset of equipment as defined in DoDl 5000.64.

Expensed CAP line items were created as an accounting mechanism designed to provide MDA better visibility and linkage of budget, obligation, expenditure, and government property data. Given the need for this level of visibility and linkage, as well as the need to include these costs as an integral component of the incentives, all task order CLINs are combined and considered a single entity for the purpose of administering the cost and performance incentives identified in the IRES PEIP (Contract Attachment J-06).

(b)(4) All share ratios are identified as follows: (b)(4) Government (b)(4) Contractor. The share ratios are subject to revision in accordance with the IRES PEIP. (b)(4)

NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.  
 FOB: Destination  
 PURCHASE REQUEST NUMBER: HQ0147863546

TARGET COST  
 TARGET FEE  
 TOTAL TGT COST + FEE  
 MINIMUM FEE  
 MAXIMUM FEE  
 SHARE RATIO ABOVE TARGET  
 SHARE RATIO BELOW TARGET

(b)(4)

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104001		

Incremental Funding

ACRNAB

(b)(4)

PURCHASE REQUEST NUMBER: HQ01 47863546

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104002	Incremental Funding	
	ACRN AC	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863572	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104003	Incremental Funding	
	ACRNAD	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863546-0001	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104004	Incremental Funding	
	ACRNAF	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863546-0005	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104005	Incremental Funding	
	ACRNAK	(b)(4)
	PURCHASE REQUEST NUMBER: HQ01 47966735	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNITPRICE	AMOUNT
1060	Expensed CAP: COTS IUS CPIF	1	Combo		(b)(4)
	<p>Contractor purchase of expensed contractor-acquired property (CAP), specifically commercial-off-the-shelf (COTS) internal use software (IUS), necessary to provide the services/capabilities identified in the PWS attached to this task order. CAP is defined in FAR 52.245-1. COTS IUS is a subset of IUS as defined in DoDI 5000.76.</p> <p>Expensed CAP line items were created as an accounting mechanism designed to provide MDA better visibility and linkage of budget, obligation, expenditure, and government property data. Given the need for this level of visibility and linkage, as well as the need to include these costs as an integral component of the incentives, all task order CLINs are combined and considered a single entity for the purpose of administering the cost and performance incentives identified in the IRES PEIP (Contract Attachment J-06).</p> <p>All share ratios are identified as follows: (b)(4) Government (b)(4) Contractor. The share ratios are subject to revision in accordance with the IRES PEIP.</p> <p>NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.</p> <p>FOB: Destination</p> <p>PURCHASE REQUEST NUMBER: HQ0147863546</p>				
				TARGET COST	(b)(4)
				TARGET FEE	
				TOTAL TGT COST + FEE	
				MINIMUM FEE	
				MAXIMUM FEE	
				SHARE RATIO ABOVE TARGET	
				SHARE RATIO BELOW TARGET	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106001	Incremental Funding	
	ACRNAB	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863546	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106002	Incremental Funding	
	ACRNAD	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863546-0001	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106003	Incremental Funding	
	ACRN AF	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865468	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106004	Incremental Funding	
	ACRNAK	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147966735	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106005	Incremental Funding	
	ACRN AL	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147966735-0001	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
7990	Data FFP The contractor shall deliver all data identified in the contract data requirements lists (CDRL) attached to this task order.	1	Lot		NSP
	Reference Section G of the basic contract. At the end of the task order period of performance, the contractor shall submit one Invoicing, Receipt, Acceptance, and Property Transfer (iRAPT) receiving report for all data previously delivered. NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent. FOB: Destination PURCHASE REQUEST NUMBER: HQ0147863546				

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NET AMT

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
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7991		1	Lot		NSP
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Expensed CAP Delivery  
FFP

Delivery of expensed CAP as required by the IRES Government Property  
Management Task Order.

NOTE: The requirements in DFARS 252.211-7003, Item Identification and  
Valuation, are applicable for this line item. The contractor shall provide DoD  
unique identification or a DoD recognized unique identification equivalent.

FOB: Destination

PURCHASE REQUEST NUMBER: HQ0147863546

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NET AMT

FSC CD: AC23

Section E - Inspection and Acceptance

INSPECTION AND ACCEPTANCE TERMS

Supplies/services will be inspected/accepted at:

CLIN	INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
1000	Destination	Government	Destination	Government
100001	N/A	N/A	N/A	N/A
100002	N/A	N/A	N/A	N/A
100003	N/A	N/A	N/A	N/A
100004	N/A	N/A	N/A	N/A
100005	N/A	N/A	N/A	N/A
1040	Destination	Government	Destination	Government
104001	N/A	N/A	N/A	N/A
104002	N/A	N/A	N/A	N/A
104003	N/A	N/A	N/A	N/A
104004	N/A	N/A	N/A	N/A
104005	N/A	N/A	N/A	N/A
1060	Destination	Government	Destination	Government
106001	N/A	N/A	N/A	N/A
106002	N/A	N/A	N/A	N/A
106003	N/A	N/A	N/A	N/A
106004	N/A	N/A	N/A	N/A
106005	N/A	N/A	N/A	N/A
7990	Destination	Government	Destination	Government
7991	Destination	Government	Destination	Government

Section F - Deliveries or Performance

DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	DODAAC / CAGE
1000	POP 05-MAR-2018 TO 04-MAR-2020	N/A	MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 FOB: Destination	HQ0796
100001	N/A	N/A	N/A	N/A
100002	N/A	N/A	N/A	N/A
100003	N/A	N/A	N/A	N/A
100004	N/A	N/A	N/A	N/A
100005	N/A	N/A	N/A	N/A
1040	POP 05-MAR-2018 TO 04-MAR-2020	N/A	MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 FOB: Destination	HQ0796
104001	N/A	N/A	N/A	N/A
104002	N/A	N/A	N/A	N/A
104003	N/A	N/A	N/A	N/A
104004	N/A	N/A	N/A	N/A
104005	N/A	N/A	N/A	N/A
1060	POP 05-MAR-2018 TO 04-MAR-2020	N/A	MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 FOB: Destination	HQ0796
106001	N/A	N/A	N/A	N/A
106002	N/A	N/A	N/A	N/A

106003	N/A	N/A	N/A	N/A
106004	N/A	N/A	N/A	N/A
106005	N/A	N/A	N/A	N/A
7990	POP 05-MAR-2018 TO 04-MAR-2020	N/A	MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 FOB: Destination	HQ0796
7991	POP 05-MAR-2018 TO 04-MAR-2020	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796

Section G - Contract Administration Data

ACCOUNTING AND APPROPRIATION DATA

AA: 044411 097 0400 000 N 20182019 D 2520 XI_ST01P_FY18 AMOUNT: (b)(4)	B5-BCXNP-FY1819	7IBC	255
AB: 044411 097 0400 000 N 20182019 D 2520 XI_SD01P_FY18 AMOUNT: (b)(4)	B5-BCXNP-FY1819	7IBC	310
AC: 044411 092 0400 000 N 20182019 D 2520 XI_ST01P_FY18 AMOUNT: (b)(4)	B4-SNGBA-FY1819	7IBC	310
AD: 044411 097 0400 000 N 20182019 D 2520 XI_ST01P_FY18 AMOUNT: (b)(4)	B5-BCXNP-FY1819	7IBC	310
AE: 044411 097 0400 000 N 20182019 D 2520 XI_SC01P_FY18 AMOUNT: (b)(4)	B5-BCXNP-FY1819	7IBC	255
AF: 044411 097 0400 000 N 20182019 D 2520 XI_SC01P_FY18 AMOUNT: (b)(4)	B5-BCXNP-FY1819	7IBC	310
AG: 044411 097 0400 000 N 20182019 D 2520 XI_ST01P_FY18 AMOUNT: (b)(4)	B4-BCTNP-FY1819	7IBC	255
AH: 044411 097 0400 000 N 20172018 D 2520 XI_ST01P_FY17 AMOUNT: (b)(4)	B5-BCXNP-FY1718	7IBC	255
AJ: 044411 097 0400 000 N 20192020 D 2500 XI_ST01P_FY19 AMOUNT: (b)(4)	B5-BCXNP-FY1920	7IBC	255
AK: 044411 097 0400 000 N 20192020 D 2500 XI_ST01P_FY19 AMOUNT: (b)(4)	B5-CBCXI-FY1920	7IBC	310
AL: 044411 097 0400 000 N 20192020 D 2500 XI_SC01P_FY19 AMOUNT: (b)(4)	B5-CBCXI-FY1920	7IBC	310

ACRN	CLIN/SLIN	CIN	AMOUNT
AA	100001	HQ01478635460001	(b)(4)
AB	104001	HQ01478635460002	
	106001	HQ01478635460003	
AC	104002	HQ01478635721040	
AD	104003	HQ01478635460006	
	106002	HQ01478635460007	
AE	100002	HQ01478654680001	
AF	104004	HQ01478635460008	
	106003	HQ01478654680002	
AG	100003	HQ01478635721000	
AH	100004	HQ01478654680003	
AJ	100005	HQ01479667350001	
AK	104005	HQ01479667350002	
	106004	HQ01479667350003	
AL	106005	HQ01479667350004	

BILLING INSTRUCTIONS

Payments for CLINs 1000, 1040, and 1060 will be made in accordance with FAR 52.216-7, Allowable Cost and Payment. Payments and the fee payable under the task order are subject to adjustments in accordance with FAR

52.21 6.1 0, Incentive Fee, and performance assessments conducted in accordance with the IRES Performance Evaluation and Incentive Plan (Attachment J-06).

(b)(4) In accordance with FAR 52.21 6-10(c)(1), the Contractor is authorized to bill fee by contract line item number (CLIN) not to exceed the following:  $\frac{\text{[redacted] of target fee}}{\text{[redacted]}}$  x (cost billed against the CLIN to date, including this voucher). Overbilling of fee as a result of this change in the billing instructions shall not be refunded to the Government, unless the overbilling cannot be corrected any other way. Instead, fee shall not be billed until the contractor is no longer in an overbilling status. The Contractor shall show the fee calculation by line item on each voucher. All task order CPIF CLINs are combined and considered a single entity for the purpose of administering the cost and performance incentives identified in the IRES PEIP (Contract Attachment J-06).

WAWF email notifications. In accordance with 252.232-7006, the Contractor shall enter the following email addresses in the "Send Additional Email Notifications" field of WAWF once a document is submitted in the system:

CLIN 7990 (b)(6)@mda.mil

CLIN 7991 (b)(6)@mda.mil (b)(6)@mda.mil (b)(6)@mda.mil

Section I - Contract Clauses

CLAUSES INCORPORATED BY REFERENCE

52.232-22	Limitation Of Funds	APR 1984
252.211-7003	Item Unique Identification and Valuation	MAR 2016

CLAUSES INCORPORATED BY FULL TEXT

252.204-0003 LINE ITEM SPECIFIC: CONTRACTING OFFICER SPECIFIED ACRN ORDER. (SEP 2009)

The payment office shall make payment within the line item in the sequence ACRN order specified below, exhausting all funds in the previous ACRN before paying from the next ACRN.

Line Item	ACRN Order
1000	AH, AA, AE, AG, AJ
1040	AD, AC, AF, AK
1060	AD, AE, AK, AL

(End of clause)

LIMITATION OF FUNDS

Pursuant to the "Limitation of Funds" clause (FAR 52.232-22). The total sum presently available for payment by the Government and allotted each contract line item is:

CLIN 1000	(b)(4)
CLIN 1040	
CLIN 1060	
Total:	

Based on the information available to the Government, this amount will cover costs associated with:

CLIN 1000: through 31 July 2019

CLIN 1040: through 04 March 2020

CLIN 1060: through 04 March 2020

The contractor shall invoice all CLINs in accordance with DFAR 252.204-0003, Line Item Specific: Contracting Officer Specified ACRN Order (SEP 2009).

PRICED PROSPECTIVE WORK PACKAG

Priced Prospective Work Packages (PPWPs) represent potential requirements included in this TRD that are priced and negotiated but not yet awarded. The PPWP may be awarded/executed in accordance with clause H-03, Task Orders at a later date with a bilateral modification to the task order if/when the requirement is ultimately needed and funded. The PPWPs negotiated to date are included in Attachment 2 to the Task Order. The below referenced PPWPs have been executed:

Section J - List of Documents, Exhibits and Other Attachments

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DOCUMENT TYPE	DESCRIPTION	PAGES	DATE
Attachment 1	TO 5900 PWS (Rev B)	42	18-DEC-2018
Attachment 2	TO 5900 PPWP List	1	18-DEC-2018

**Missile Defense Agency**  
**Integrated Research & Development for Enterprise Solutions (IRES)**

**05 Oct 2018**

**PERFORMANCE WORK STATEMENT**

**Contract Number:**

**HQ079617D0001**

**Task Order Title:**

**C2BMC INFASTRUCTURE, ENGINEERING AND EVENT SERVICES**

**Task Order Number:**

**HQ079618F5900**

**Period of Performance:**

**March 5, 2018 to March 4, 2020**

**Task Order Type: CPIF**

## Performance Work Statement Revision History

Rev	Mod	Date	Revision / Change Description
	P00005	3 May 18	Added Mission Support Task to 10.7.3
A	P00006	6 June 18	Modified IBR date, updated CDRL numbering in CDRL Exhibit, deleted task 10.8.2.2 & modified tasks 3.6 and 10.3.2. 10.7.3
B		18 Dec 18	<p>10.5.1.6 / 10.5.1.7 / 10.5.1.8 Added capability to purchase Hardware, Software, and Material as PPWPs</p> <p>10.7 Added PPWPs for Hardware, Software, and Material</p> <p>10.9.1.9 / 10.9.1.10 / 10.9.1.11 Added capability to purchase Hardware, Software, and Material as PPWPs</p>

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## **1.0 Purpose**

The Ballistic Missile Defense System (BMDS) - Command, Control, Battle Management, and Communications (C2BMC) Infrastructure, Engineering and Event Services task order provides engineering products and services, and mission operation activities for the Missile Defense Agency (MDA), C2BMC Program Office.

## 2.0 Background

Early in the C2BMC program, the Missile Defense Agency (MDA) established at the Missile Defense Integration and Operations Center (MDIOC) an integration, test, and experimental testbed that allows the Missile Defense National Team (MDNT) contractor and government to test and verify the performance of new versions of the C2BMC and to support fielded systems. The testbed features replicas of the systems that the MDNT designs and the environments in which they operate.

Mission execution includes a wide variety of test activities, advanced concept development, assessments, and evaluations:

- Cycle 1 Test – Installation, Integration and Checkout
- Cycle 2 Element Test – Requirements Verification, using simulation
- Cycle 3 Hardware-in-the-Loop Test – Capability verification using external BMD elements
- Cycle 4 System Test – System level verification using operational systems, sensors and weapons
- Cycle 5 Site Activation Test – System verification at operational sites
- Sustainment Test – Fielding suitability, testing changes to the operational system prior to fielding
- Experiments – Prototype and advanced concept development for future C2BMC capability.
- Theater Missile Warning assessments
- International Interoperability – Interoperability tests conducted with US and NATO missile defense systems
- Early Warning Simulation – EW Message generation to support Hardware-in-the-Loop, Flight Tests, and Distributed Ground Tests
- C2BMC Operational Support – subject matter experts monitor operational C2BMC for performance, support Warfighter training, and system test execution.

To execute the mission, the following C2BMC Infrastructure Mission Areas have been established:

- *C2BMC –Test Environment (CTB -TE)* provides interfaces to stimulate the C2BMC Testbed – Test Articles (CTB-TA), simulates missile defense elements, and includes data collection devices, data storage arrays, and analysis tools that form the supporting system to conduct tests.
- *C2BMC –Test Articles (CTB -TA)* represents the deployed, fielded version of C2BMC and the current test version that the government will deploy. CTB-TA is the system under test.
- *C2BMC Spiral 6.4* represents current operational baseline
- *BMDs Overhead Persistent Infrared Architecture (BOA) 5.1* provides operational baseline
- *C2BMC Spiral 8.2* constitutes the current system under test
- *BOA 6.1*. Provides system under test
- *BMDs Experimentation Lab (XLAB)* represents C2BMC for proof of concepts demonstrations, prototyping, and final live-fire tests of new C2BMC capabilities such as new BMD element interface development.
- *International Point Of Presence (IPOP)* provides the communication hub with connections to BMD Labs (C2BMC, Aegis, Patriot, SEWS, AN/TPY-2 Radar) for participation in multi-national testing with NATO nations (Germany, Italy, France, The Netherlands, etc.).
- *Joint Early Warning Lab (JEWL)* performs Theater Missile Warning (TMW) integration; provides health and status assessments of the Theater Event System (TES).
- *Personnel IT and Workspace (PITW)* represents IT support and workspace for government, military, FFRDC, Systems Engineering and Technical Services (SETA) contractors, and members of the National Team at the MDIOC.
- *System Test and Operations Centers (STOC)* are labs that connect to operational C2BMC suites for conducting flight tests and distributed ground tests.

- *C2BMC System Support Center (CSSC)*, with connections to operational, training, and test labs, provide real-world situational awareness, senior leader playbooks, test analysis, etc.

Table 1 shows the mission areas and the government stakeholders who collaborate with BCX.

**Table 1. Mission Area and Stakeholders**

Mission Area	Stakeholders
CTB-TE	BCX
CTB-TA	BCE, BCT, BCD, BCX
XLAB	BCDV, BCX
IPOP	BCX
JEWL	BCDS, BCX
CSSC	BC, BCO, BCT, BCX
STOC	BCO, BCT, BCX
IT-Personnel Workspace	MDA/BC personnel at the MDIOC: Gov't, Military, FFRDC, SETA, MDNT, Contractor

### **3.0 Scope**

#### **3.1 C2BMC –Test Environment (CTB -TE)**

Plan, design, implement and sustain mission equipment and capabilities, sustain non-mission (unclassified / classified IT, voice communications, audio/visual, video teleconferencing, printers, etc.) equipment and capabilities, provide IT and engineering services, and operate equipment during mission execution.

#### **3.2 C2BMC –Test Articles (CTB -TA)**

Plan, design, implement and sustain mission equipment and capabilities, provide IT and engineering services, and support mission execution.

#### **3.3 BMDS Experimentation Lab (XLAB)**

Plan, design, implement and sustain mission equipment and capabilities, provide IT and engineering services, and support mission execution.

#### **3.4 Joint Early Warning Lab (JEWL)**

Plan, design, implement and sustain mission equipment and capabilities, sustain non-mission equipment and capabilities, provide IT and engineering services, and operate equipment during mission execution. Perform technical assessments of real world missile events, flight tests, and exercises.

#### **3.5 International Point Of Presence (IPOP)**

Plan, design, implement and sustain mission equipment and capabilities, sustain non-mission equipment and capabilities, provide IT and engineering services, and operate equipment during mission execution.

#### **3.6 Core IT and Personnel Workspace**

Sustain non-mission equipment and capabilities and provide IT and engineering services (Personnel IT and Workspace (PITW)).

#### **4.0 Service Summary Items**

In accordance with the IRES Performance Evaluation and Incentive Plan, Service Summary Items (SSIs) 1 through 4 are common [required] on all task orders and will be assessed at the contract level (i.e., all task orders will receive the same rating).SSIs 5 – 7 identified below will be assessed at the task order level.

<b>Name</b>	(b)(4)
<b>Identifier</b>	
<b>Weight</b>	
<b>Definition</b>	
<b>Measurable Concept</b>	
<b>Baseline Measure</b>	
<b>Technical Performance Measures</b>	
<b>Notes</b>	

<b>Name</b>	(b)(4)
<b>Identifier</b>	
<b>Weight</b>	
<b>Definition</b>	
<b>Measurable Concept</b>	
<b>Baseline Measure</b>	
<b>Technical Performance Measures</b>	
<b>Notes</b>	

	(b)(4)
--	--------

<b>Name</b>	(b)(4)
<b>Identifier</b>	
<b>Weight</b>	
<b>Definition</b>	
<b>Measurable Concept</b>	
<b>Baseline Measure</b>	
<b>Technical Performance Measures</b>	
<b>Notes</b>	

	<b>Schedule</b>			<b>Performance</b>		
<b>Impact</b>	Minor	Medium	Severe	Minor	Medium	Severe
<b>Internal</b>	-5	-10	-15	-5	-10	-15
<b>External</b>	-10	-20	-30	-10	-20	-30

#### Definitions

Internal: A CESS event internal to C2BMC (non-IMTP event, schedules and objectives are determined within MDA/BC)

External: A CESS event where C2BMC is a required participant from outside of MDA/BC (IMTP event, schedules and objectives are determined by another MDA 2-letter or other customer outside of MDA.

Schedule:

Minor: Did not meet schedule but did not impact an event's integration or execution portion of the schedule.

Medium: Did not meet schedule and caused a delay in an event's integration schedule but not the execution portion of the schedule.

Severe: Did not meet schedule and caused a delay in the execution portion of the schedule.

Performance:

Minor: A buildout or upgrade requirement was not met but its success or failure has no impact on the event's primary or secondary objectives.

Medium: A buildout or upgrade requirement was not met and results in an event's secondary objective not being met but has no impact on a primary objective.

Severe: A buildout or upgrade requirement was not met and results in an event's primary objective not being met.

## 5.0 Contract Data Requirements List (CDRL)

The point of delivery for all CDRL products, except as noted in Exhibit C, is the MDA E-CaRT system. The Contractor shall deliver all such products by saving and profiling them in E-CaRT, with the appropriate notification of delivery letter transmitted electronically to the Government's Data Management Office. Reference Exhibit C for specific CDRL delivery instructions.

EVM CDRLs have additional delivery requirements. EVM CDRLs are also delivered via the CADE EVM CR website (<http://cade.osd.mil/roles/submitters>)

Jacobs will need to request an account in order to submit to the EVM CR. You can also email CADESupport@Tecolote.com or call the CADE/PARCA help desk at 253-564-1979.

## 5.1 Contract Data Requirements List (CDRL) Identification

### CDRL List

Task	CDRL	DID		Description
10.1	C001	DI-MGMT-81861/T	HQ07961 8F5900: Integrated Program Management Report	Contains data for measuring cost and schedule performance. The IPMR is structured around seven formats that contain the content and relationships required for the electronic submissions.
Reserved	C002			
10.1	C003	DI-MISC-80508B/T	HQ07961 8F5900: Task Order Status Report, [month ending]	Provides significant accomplishments, issues, concerns, lessons learned, and risks associated with the task order.
10.2.1.1	C004	DI-MISC 80508B	HQ079618F5900: Work Request History	Conveys project information for all work requests. Includes information such as submission date, project description, need date, date complete, initial and final IMS, initial element of cost estimates and final elements of cost and customer survey results.
10.2.3.2 10.7.1.5	C005	DI-MISC-80508B/T	HQ079618F5900: Baseline Engineering Documentation	This CDRL contains engineering documentation which potentially includes some or all of the following components: Slide Package, DoDAF Artifacts, Rack Elevation drawings, Testbed Layout drawings, CONOPS, and Requirements Traceability Matrix (RTM), Version Description Documents, and Floor Plans.
10.3.1.10	C006	DI-MISC-80508B/T	HQ079618F5900: Assessment and Authorization Documentation	This CDRL contains the documentation required to support C&A activities: Risk Management Framework (RMF) Packages, FISMA Report, DITPR Report, Vulnerability Scan and Compliance Reports, Accreditation Boundaries Report, Boundary Protection Configurations, BMDS RMF Comprehensive Package, DR/COOP IT Quarterly Tabletop and Annual Exercise Scenarios/Test Plan Packages generated under this TO.

Task	CDRL	DID		Description
10.4.1.6 10.5.1.2 10.9.1.2	C007	DI-MISC 80508B/T	HQ079618F5900: Operational Support Documents: Technology Refresh Plan	The Technology Refresh Plan takes into account the formally documented current state of the hardware necessary to execute business functions, deliver services, and maintain the logical relationships between customers, partners, and suppliers. Primarily, this superset will contain the system architecture, the storage architecture, and the network architecture across the enterprise.
10.5.1.1 10.9.1.1	C008	DI-MISC 80508B/T	HQ079618F5900: Maintenance & Spare Report	Identifies type, location, and frequency of recurring sustainment activities, the sparing methodology used in establishing a "Recommended Spares Requirement List" and the identification of licensing, maintenance agreements, and renewal documentation of hardware and software assets.

## 5.2 CDRL Tailoring

The DD Form 1423 associated with each CDRL is attached in the following document.



Exhibit C -  
TEMPLATE.pdf

**6.0 Milestones**

PWS Paragraph(s)	Activity	Date / Days after Contract (DAC)
10.1	Integrated Baseline Review	150 DAC

**7.0 Government Property (GP) / Government Furnished Property (GFP) / Government Furnished Information (GFI) / Contractor Acquired Property**

7.1 In addition to the GP associated with IRES Contract SOO, paragraph 6.0, the following GP is applicable to this task order: none

7.2 In addition to the GFP identified on IRES Contract Attachment 5, the following GFP is applicable to this task order: none

7.3 The following GFI is applicable to this task order: none

7.4 All CAP will be managed under the terms and conditions associated with task order 18F8900 – Government Property Management. .

## **8.0 Special Requirements**

JEWL analyst, in accordance with the MDA Security Classification Guidance, must maintain a Top Secret clearance with Sensitive Compartmented Information (SCI).

SA/NE Clearance requirements for X-Lab SA support.

## 9.0 Applicable Documents

In addition to the directives and regulations identified in the IRES Contract SOO, paragraph 8.0, the following are applicable to this task order:

Title	Originator	Date
JROCM 062-02	Joint Staff – Joint Requirements Oversight Council	29 Apr 2002

## **10.0 Statement of Objectives and Outcomes**

### **10.1 Task Order Administration**

This portion of this PWS contains structure, objectives and outcomes with respect to the administration of the **Task Order**. This PWS element represents the work required to administer the Task Order and the Enterprise Support of the Task Order's work and resources. For this Task Order, work is estimated at this level in the PWS (10.1, 10.2, 10.3, etc.).

#### **10.1.1 Task Order Management**

This PWS element represents the work specifically required to support the management of requirements of the overall Task order, which includes all reporting, briefings, awards, modifications, SSIs, etc.

##### **10.1.1.1 Stakeholder Technical Integration Management (STIM) and Systems Engineering and Integration (SEI) Management**

Objective #1: The contractor shall provide the resources and information to communicate and manage task order performance.

Outcomes:

- Provide a single POC responsible for managing the cost, schedule, risk, and technical performance of the TO.
- Provide a single POC to serve as a liaison to the COTR or Assistant COTR (ACOTR) who is responsible for providing insight on TO performance.
- TO activities are managed in accordance with the IRES Program Management Plan (CDRL TO8002 C008).
- All TO requirements are identified, managed, validated, and verified in accordance with the contractor's IRES Systems Engineering Master Plan.

Objective #2: The contractor shall provide task order reporting to accurately monitor status in accordance with CDRL and Milestone requirements.

Outcomes:

- IPMR and TO status report for the TO are delivered per CDRL requirements.
- An Integrated Baseline Review of the TO is performed within 90 days of TO award.
- TO status (e.g., technical, cost, schedule) is reported to the COTR on a monthly basis in accordance with CDRL requirements.
- TO status includes cost and schedule performance by WBS and IRES organization structure; significant accomplishments; customer concerns or issues; TO risks and mitigation status; performance against the IRES contract, SE&PI, and TO SSIs; Earned Value Management (EVM) reports; achievements relative to the utilization goals in the contractor's Small Business Participation and Commitment Plan; quality assurance reviews, audit results, and non-conformance finding closure reports; safety information.
- TO performance trends are identified, tracked and shared with the COTR, ACOTR, and applicable government stakeholders.

Milestone: Integrated Baseline Review

CDRL C001: Integrated Program Management Report

CDRL C003: Task Order Status Report

#### **10.1.1.2 Responsible Organization Management**

Objective #1: The contractor shall provide qualified personnel and manage personnel issues to perform TO activities.

Outcomes:

- The workforce is managed efficiently, mitigating workforce surge and drawdown impacts, analyzing workforce trends, and forecasting workforce needs IRES-wide.
- A trained and qualified workforce is maintained that is able to perform the functions necessary to operate, support, and sustain MDIOC facilities and systems.

Objective #2: The contractor shall maintain accountability of all property under its control and provide reporting to ensure government situational awareness of property status.

Outcomes:

- A Material Inspection and Receiving Report is submitted as required by DFARS 252.246-7000 for the delivery of all CAP classified as Equipment, Special Test Equipment, and Special Tooling by using the Invoicing, Receipt, Acceptance, and Property Transfer (iRAPT) application in the Wide Area Workflow (WAWF) e-Business Suite in accordance with the instructions provided in the CLIN 7991.

#### **10.1.1.3 Administrative Support**

Objective #1: The contractor shall provide resources to manage the contractual requirements, and provide financial oversight and performance tracking for the task order.

Outcomes:

- Task Order financial management activities ensure that task order reporting, including EVM reporting, accurately reflect the current state of TO financial performance and status.
- TO contractual deliverables are provided within the agreed to schedule, in the correct formats and to a high level of quality.

#### **10.1.2 Objective: Enterprise Task Order Support**

This PWS element represents the work of enterprise support to the Task Order's work and resources.

##### **10.1.2.1 Enterprise Management**

Objective #1: The contractor shall provide the resources and data to enable enterprise management of this task order for human resources, business/finance, and JEMS in support of integration.

Outcomes:

- IPMR and TO status report for the TO are delivered per CDRL requirements.
- TO status (e.g., technical, cost, schedule) is reported to the COTR on a monthly basis in accordance with CDRL requirements.
- MDA customers and stakeholders have on-demand access to a TO status report dashboard.
- TO export control requirements are managed to comply with DoD and MDA requirements, including International Traffic in Arms Regulations (ITAR) (22 CFR 120-130) and Technical Assistance Agreements processes as required.
- Any individuals requiring access to Government information technology systems have completed Information Assurance Awareness training.
- Personnel performing information assurance functions on national security systems meet the Committee on National Security Systems training requirements.

**10.1.2.2 Mission and Performance Assurance**

Objective #1: The contractor shall perform System Engineering functions to ensure the products and services provided under this TO utilize established Systems Engineering practices that are standardized across the IRES contract in support of the MDA mission.

Outcomes:

- Deliver an Integrated Master Schedule (IMS), in accordance with Integrated Program Management Report (IPMR) requirements, using the contractor's JEMS Portal.
- The TO IMS is integrated into the contractor's IRES Integrated Schedule (IIS).
- Systems Integration requirements and capabilities gaps, lessons learned, and a common MDIOC system vision are integrated enterprise-wide.
- Critical assets are managed, to include conflict forecasting and de-confliction, across the IRES enterprise.

Objective #2: The contractor shall track, manage and report on TO performance measures, including metrics, lessons learned and accomplishments.

Outcomes:

- Based on TO performance trends, periodic audits of task estimates are performed, TO risks are tracked, and schedule accuracy is evaluated.
- All TO CDRLs are delivered on time and with accurate information.
- Customer satisfaction with the services and products delivered in this TO is solicited and tracked.
- TO performance is continuously evaluated and improved using objective performance measures.
- TO lessons learned, best practices, and accomplishments are collected and shared with the COTR, ACOTR, other government stakeholders, and IRES workforce.

Objective #3: The contractor shall incorporate Mission Assurance activities into all TO tasks in support of the MDA mission.

Outcomes:

- TO asset configurations are managed in accordance with the IRES Configuration Management Plan (CDRL TO8002 C022).
- TO risks are managed in accordance with the IRES Risk Management Plan (CDRL TO8002 C021).
- The quality of TO activities is assured in accordance with the Quality Assurance Program Plan (CDRL TO8002 C020).
- TO supplies are purchased in accordance with the IRES Supply Chain Risk Management Plan, including the development of a supply chain map and authorized suppliers list for critical systems.

Objective #4: The contractor shall provide information security, physical security, export control and cybersecurity training and processes in accordance with federal, DoD and agency requirements to safeguard the conduct of the MDA mission through the IRES contract.

Outcomes:

- MDA-identified Critical Program Information (CPI) and Critical Technologies (CT) are protected to the standards required in DoDI 5200.39
- TO cybersecurity risks are managed in accordance with the Cybersecurity Risk Management Plan (CDRL TO8002 C016).
- All Controlled Unclassified Information is protected from unauthorized access, disclosure, incident, or compromise.
- All contractor-managed TO systems maintain System Authorization in accordance with DoDI 8510.01, Risk Management Framework.
- Cybersecurity requirements and considerations are integrated into TO systems engineering, design, and risk management processes.
- All contractor-managed TO systems are operated in accordance with cybersecurity requirements.
- Security administration is provided to comply with applicable DoD, MDA, and local security directives, policies, procedures, and instructions for physical security and for the safeguarding of BMDS controlled and classified information, to include proper document marking, classification, storage, accountability, transmittal, and destruction.
- Personnel requiring privileged access maintain appropriate computing environment certifications for the operating system(s) and/or security related tools/devices they support or operate.

Objective #4: The contractor shall promote and enforce safe and sustainable work practices to prevent personnel injury, damage to property or harm to the environment.

Outcomes:

- TO activities are performed in accordance with the Mishap Prevention and Safety Plan (CDRL TO8002 C024) to prevent personnel injury and property damage.
- TO activities are performed in accordance with the Environmental Program Plan (CDRL TO8002 C023) to prevent harm to the environment and maximize sustainable practices.

### **10.1.2.3 Functional Management and Administrative Support**

Objective #1: The contractor shall provide a functional management oversight structure to lead, manage and assign resources within their organization.

Outcomes:

- The Event and Warfighter Support (EWS) Director leads and manages the department to meet IRES and its applicable task orders' requirements.
- The EWS Director delivers IRES products and services which includes the correct people, processes, and tools to meet mission requirements.
- The EWS Director tactically allocates and strategically forecasts resources within EWS and its applicable task orders to ensure the sustainment, renewal, and growth of the technical expertise within the department that meets current and future requirements.
- The EWS Director mentors and oversees the execution of event engineering, asset operations and sustainment, systems integration, and analysis to ensure the technical success of each task order within the department.

Objective #2: The contractor shall provide functional administrative and management support as required to communicate and deliver enterprise integration.

Outcomes:

- The EWS Department provides training, certifications, and career growth of each employee within the department.
- The EWS Department develops, standardizes, and deploys processes for event engineering, asset operations and sustainment, systems integration, and analysis.

### **10.1.3 Objective: Task Order Award and Modification**

Objective #1: The contractor shall provide the resources and data to provide timely and accurate proposals to government requirements for proposal and other contract modification actions.

## **10.2 Task – Workload and Resource Management**

### **10.2.1 Objective - Requirements Facilitation**

The Contractor shall receive, evaluate, and manage requirements from stakeholders, testers, and users of the C2BMC mission areas and their capabilities at the MDIOC and shall ensure they are valid, accurate, complete, and understood.

Outcomes

10.2.1.1 Implement a work request process/system, including a Requirements Review Board (RRB) that allows government personnel to submit, assess, validate, vet, prioritize, approve, track, evaluate requests, and maintain a workload history.

- CDRL C004: Work Request History

10.2.1.2 Provide cost estimates for events, projects, and hardware and software purchases.

### **10.2.2 Objective – Master Scheduling**

The contractor shall develop and maintain a master schedule of C2BMC services and activities (i.e., customer system loads, upgrades, test events, projects).

#### **Outcomes**

10.2.2.1 Creates, maintains, and uses the C2BMC Executive Summary Schedule (CESS) as a basis for resource planning and a task order schedule that serves as input to the contract Integrated Master Schedule (IMS) and aids in planning and resources allocation.

10.2.2.2 Plan, evaluate, and advise the COTR on use of assets to meet requirements and avoid conflicts for resources.

10.2.2.3 Ensure system maintenance, hardware build-outs and software refresh activities do not affect mission requirements.

### **10.2.3 Objective - Configuration Management and Asset Control**

The contractor shall provide configuration control for facilities and equipment. The contractor shall provide compliant management services of assets (i.e., equipment, software), from initial receipt to final disposition and maintain an auditable inventory. MDNT has configuration control of the CTB-TA.

#### **Outcomes**

10.2.3.1 Implement a comprehensive configuration management approach and maintain configuration control for all facilities, cabling, systems, operating procedures, and assets. Implement a mechanism for recording, tracking, and reporting the status of Configuration Items (CIs).

10.2.3.2 Develop and provide baselined systems artifacts (e.g. Interface Control Documents, Network Interface Control Documents, schematic, functional system overlay and architectural drawings compliant with DoDAF v2.0, etc.) that clearly diagram and articulate the system or components performance, function, and physical attributes and functional relation between parts, subsystems, and systems.

- CDRL C005: Baseline Engineering Documentation

## **10.3 Security Management**

### **10.3.1 Objective – Cybersecurity Compliance**

The Contractor shall provide compliant security services that prevent unauthorized access, use, disclosure, disruption, modification, inspection, recording, or destruction of information and/or equipment and processes that create that information for the mission areas. The Contractor will have full Cyber responsibility for the CTB – TE, JEWL, and IPOP in order to meet test and event requirements. These security services and tools include:

- Security Engineering and Security Administration processes and products that support system certification and accreditation (C&A)
- Cybersecurity Concept of Operations
- Accreditation requirements of the DoD's Risk Management Framework (RMF)

- Information Assurance Vulnerability Management (IAVM)
- ePO system
- Continuous security monitoring and reporting as an MDA Tier III Computer Network Defense (CND) organization by managing:
  - DISA security tools including Host-Based Security System (HBSS)
  - Assured Compliance Assessment Solution (ACAS)
  - Enterprise Mission Assurance Support Service (eMASS)
  - Continuous Monitoring and Risk Scoring (CMRS)

For the BC Lab, defined as all CTB – TA enclaves, the Contractor will be responsible for assisting the MDNT in the maintenance of high level Cyber policy for the BC Lab enclaves.

#### Outcomes

10.3.1.1 Perform Cyber system administration and security management tasks using DISA tools and report, monitor applicable security resources for updated requirements and comply with DoD/CyberCommand Task Orders (CTO).

10.3.1.2 Recommend security requirements and safeguards and establish processes to validate security requirements, mitigate cyber risks, and acquire certification and accreditation of systems.

10.3.1.3 Anticipate requirements for cyber accreditations and recommend a Plan of Action and Milestones (POA&M) to accomplish tasks that allow participation in events.

10.3.1.4 Demonstrate and report compliance with cybersecurity requirements using the standard scorecard.

10.3.1.5 Assess systems, networks, and using passive and active evaluations, participate in the Security Test and Evaluation (ST&E) processes, and identify vulnerabilities and deviations from acceptable configurations.

10.3.1.6 Document the results of Certification and Accreditation activities

10.3.1.7 Conduct Incident Response actions and analyze malicious events and known exploitations/vulnerabilities for the creation of custom signature rule sets.

10.3.1.8 Identify and manage government common user systems and special purpose systems that require custom security features and procedures.

10.3.1.9 Comply with RMF mitigation requirements for Category I, II, and III findings.

10.3.1.10 Obtain timely Authorization to Operate (ATO) for mission areas and maintains status by implementing agreed-upon set of security controls.

- CDRL C006: Assessment and Authorization Documentation

10.3.1.11 Obtain Special Event Accreditations for events in which mission areas must participate.

#### **10.3.2 Objective –Security Operations**

The Contractor shall provide security management and services to ensure compliance with MDIOC, MDA and DoD standards. The Contractor will have responsibility for Rooms 3306, 3303, 3104, 3101, 235, and 1401.

#### Outcomes

10.3.2.1 Perform duties as the Security Assistant as defined in the Standard Operating Procedure (SOP), coordinate for the Security Manager with Missile Defense Agency Security Department (MDA/EIR) Security Personnel on all physical and information security issues and tasks, and perform block captain activities in accordance with latest government directions.

10.3.2.2 Manage access to controlled areas, process incoming and outgoing Visit Authorization Requests, maintain open storage certification requirements, and provide guidance to occupants on the Security Classification requirements.

10.3.2.3 Receive, generate and reproduce classified material up to the SECRET classification.

10.3.2.4 Develop and maintain SOP documentation in accordance with the standard MDA/EIR procedures.

#### **10.4 CTB Test Environment**

The Contractor shall determine requirements, design, implement, sustain, test, and provide configuration management for the mission areas as defined in appropriate drawings, to ensure readiness for test, events, upgrades, and maintenance.

##### **10.4.1 Objective - Core Routing and Switching (Red/Black)**

The contractor shall sustain, design, build, innovate, troubleshoot, and perform root cause analyses for CTB-TE Core Routing and Switching devices in support of multiple, simultaneous, and independent events.

##### **Outcomes**

10.4.1.1 Use sound systems engineering practices to design and implement device solutions that gain efficiencies and reduce sustainment costs.

10.4.1.2 Configure the CTB-TE for events.

10.4.1.3 Condition message traffic to comply with Test Article ICDs or interfaces.

10.4.1.4 Maintain drawings to reflect systems configurations.

10.4.1.5 Design the ability to isolate Core Routing and Switching devices based on event architecture requirements.

10.4.1.6 Implement an integrated approach to operate and manage CTB-TE investments that provides for the continuous identification, selection, control, life-cycle management, and evaluation of the CTB-TE investments in a structured process resulting in a systematic method maximizing the return of CTB-TE investments.

- CDRL C007: Operational Support Documents: Technology Refresh Plan

##### **10.4.2 Objective – Modeling and Simulation (M&S)**

The contractor shall maintain a capability to stimulate CTB-TAs and test for multiple, concurrent, and independent events.

##### **Outcomes**

10.4.2.1 Sustain model and simulation capabilities.

10.4.2.2 Operate simulations, emulators, and data manipulation tools to condition message traffic during test events.

- 10.4.2.3 Maintain a list of simulation scenarios in the library.
- 10.4.2.4 Modify simulation scenarios to meet test needs.
- 10.4.2.5 Record test event data, creates, and executes data playbacks.

#### **10.4.3 Objective - Analysis Tools**

The Contractor shall sustain the test analysis environment.

##### **Outcomes**

- 10.4.3.1 Provide data collection tools and devices.
- 10.4.3.2 Provide data analysis tools, servers, desktop computers, and software.
- 10.4.3.3 Provide data storage and archive for all test and analysis requirements.

#### **10.4.4 Objective – Interfaces**

The Contractor shall design, implement, and sustain CTB-TE interfaces during multiple, simultaneous, and independent CTB-TA test and XLAB events. [Reference: CTB-TE Data Flows Artifact - 20170301]

##### **Outcomes**

- 10.4.4.1 Design interfaces based on Interface Control Documents (ICD) / Interface Design Documents (IDD) into the CTB-TA.
- 10.4.4.2 Design and manage interfaces internal to the CTB-TE and external to the CTB-TE (Reference: Accreditation Security Architecture: CTB-TA drawing).
- 10.4.4.3 Design interfaces for multiple, simultaneous, and independent events.

### **10.5 Mission System Sustainment**

This task provides for the sustainment of mission equipment within mission areas defined in Section 3.0.

#### **10.5.1 Objective – Mission System Sustainment**

The contractor shall provide services necessary for the sustainment of mission systems, mission capabilities, and mission room capabilities. Sustainment activities include network management, configuration management, proactive/corrective maintenance, hardware and software refresh, break/fix service restoration, and engineering services for C2BMC Mission System enclaves.

##### **Outcomes**

- 10.5.1.1 Maintain and refresh hardware, software and current capabilities in accordance with industry best maintenance practices ensuring an appropriate mix between proactive and corrective maintenance, repair, and replacement to maintain availability. Document and execute maintenance plans, schedules, and performance expectations. Utilize system performance and maintenance trending analysis to manage the maintenance program. Manage and maintain currency on all licensing and update services for third-party software, software drivers, and diagnostic software.

- CDRL C008,; Maintenance and Spare Report

- 10.5.1.2 Develop criteria for technology refresh of hardware, software, and current capabilities in accordance with industry best practices to ensure availability. Leverage MDA Information Technology

(IT) support policy to minimize investments for IT hardware and software above MDA standards. Manage and provide the government with real-time access to a database that conforms to Defense Property Accountability System (DPAS) requirements identifying the location and acquisition details for all acquired assets. Implement an integrated approach to operate and manage hardware and software investments that provides for the continuous identification, selection, control, life-cycle management, and evaluation of the investments in a structured process resulting in a systematic method to maximize investment return and allow predictable budgeting.

- CDRL C007: Operational Support Documentation: Technology Refresh Plan

10.5.1.3 Configure enclaves and laboratories in a manner to enable full functionality of mission systems and capabilities.

10.5.1.4 Core Hours Break/Fix Response. Respond to degradations/failures within 8 hours and within 24 hours provide an estimated timeline associated with service restoral in accordance with contractor-developed ticket escalation procedures. Demonstrate minimal impact to mission while repair activities are initiated, conducted, and completed. Provide a summary of degradations/failures, to include the response times and a root-cause analysis in the monthly Task Order Status Review (CDRL C001).

10.5.1.5 Non-Core Hours Break/Fix Response. The response times and procedures outlined in 10.5.1.4 apply to incidents occurring outside of core hours but don't begin until 0730 the following business day.

#### PPWP

10.5.1.6 Hardware sustainment x15. Upgrade and refresh current capabilities above the established baseline.

10.5.1.7 Software sustainment x13. Upgrade and refresh current capabilities above the established baseline.

10.5.1.8 Material sustainment X10. Material (non-software and hardware) to implement upgrades, enhancements, reconfigurations, and projects.

### 10.5.2 Objective - Test Article Hardware/Software Installation

The Contractor shall install Test Articles per the C2BMC Prime Contractor's documentation. Installation can range from full Spiral Install (5-8 weeks), Partial Spiral Install (1-2 weeks) or Manual Change (hours to days). These services are part of an independent assessment of the quality of the delivered item by MDA and BCX.

#### Outcomes

10.5.2.1 Develop installation schedules (scorecard) to include software, cybersecurity, and networks.

10.5.2.2 Provide COTR with daily scorecard status updates.

10.5.2.3 Provide COTR with installation deficiency "redline" edits to MDNT installation and engineering documentation.

10.5.2.4 Conduct installation configuration audits and correct deficiencies prior to MDNT installation and checkout (Cycle-1 testing).

10.5.2.5 Provide troubleshooting assistance to MDNT Test Integrators during Cycle-1 testing.

10.5.2.6 Present an “After Action Report” (AAR) after each installation.

## **10.6 Task – Test Events Services**

This task ensures the C2BMC readiness to participate in tests and events identified in the IMTP and other activities required for the test and evaluation of the C2BMC.

### **10.6.1 Objective – Full Hardware-in-the-Loop (HWIL) Events**

The Contractor shall plan, design, schedule, and execute Full HWIL events.

#### **Outcomes**

- 10.6.1.1 Develop requirements, architectures, and required lab preparations.
- 10.6.1.2 Monitor and de-conflict Period of Interest (POI) / Test Event Freeze.
- 10.6.1.3 Prepare lab equipment, such as interfaces, cybersecurity, and ancillary equipment.
- 10.6.1.4 Provide network engineering, test control, and system administrators during event execution.
- 10.6.1.5 Present an AAR to the COTR after the event.
- 10.6.1.6 Ensure lab is Returned-To-Baseline (RTB) or a baseline defined by COTR.

#### **PPWP**

- 10.6.1.7 Execute additional Full HWIL Events. This PPWP can be executed up to 15 times.

### **10.6.2 Objective – Sprint Hardware-in-the-Loop (HWIL) Events**

The Contractor shall plan, design, schedule, and execute Sprint HWIL events.

#### **Outcomes**

- 10.6.2.1 Develop requirements, architectures, and required lab preparations.
- 10.6.2.2 Monitor and de-conflict Period of Interest (POI) / Test Event Freeze.
- 10.6.2.3 Prepare lab equipment, such as interfaces, cybersecurity, and ancillary equipment.
- 10.6.2.4 Provide network engineering, test control, and system administrators during event execution.
- 10.6.2.5 Present an AAR to the COTR after the event.
- 10.6.2.6 Ensure lab is Returned-To-Baseline (RTB) or a baseline defined by COTR.

#### **PPWP**

- 10.6.2.7 Execute additional Sprint HWIL Events. This PPWP can be executed up to 15 times.

### **10.6.3 Objective – System Pre-Mission Test (SPMT) - Hardware-in-the-Loop (HWIL) Events**

The Contractor shall plan, design, schedule, and execute Sprint HWIL events.

#### **Outcomes**

- 10.6.3.1 Develop requirements, architectures, and required lab preparations.
- 10.6.3.2 Monitor and de-conflict Period of Interest (POI) / Test Event Freeze.
- 10.6.3.3 Prepare lab equipment, such as interfaces, cybersecurity, and ancillary equipment.

- 10.6.3.4 Provide network engineering, test control, and system administrators during event execution.
- 10.6.3.5 Present an AAR to the COTR after the event.
- 10.6.3.6 Ensure lab is Returned-To-Baseline (RTB) or a baseline defined by COTR.

**PPWP**

- 10.6.3.7 Execute additional Sprint HWIL Events. This PPWP can be executed up to **15** times.

**10.6.4 Objective – Flight Test Event**

The Contractor shall plan, design, schedule, and execute Flight Test events.

**Outcomes**

- 10.6.4.1 Develop requirements, architectures, and required lab preparations.
- 10.6.4.2 Monitor and de-conflict Period of Interest (POI) / Test Event Freeze.
- 10.6.4.3 Prepare lab equipment, such as interfaces, cybersecurity, and ancillary equipment.
- 10.6.4.4 Provide network engineering, test control, and system administrators during event execution.
- 10.6.4.5 Present an AAR to the COTR after the event.
- 10.6.4.6 Ensure lab is Returned-To-Baseline (RTB) or a baseline defined by COTR.

**PPWP**

- 10.6.4.7 Execute additional Flight Test Events. This PPWP can be executed up to **10** times.

**10.6.5 Objective – International Test Event**

The Contractor shall plan, design, schedule, and execute International Test events.

**Outcomes**

- 10.6.5.1 Develop requirements, architectures, and required lab preparations.
- 10.6.5.2 Monitor and de-conflict Period of Interest (POI) / Test Event Freeze.
- 10.6.5.3 Prepare lab equipment, such as interfaces, cybersecurity, and ancillary equipment.
- 10.6.5.4 Provide network engineering, test control, and system administrators during event execution.
- 10.6.5.5 Present an AAR to the COTR after the event.
- 10.6.5.6 Ensure lab is Returned-To-Baseline (RTB) or a baseline defined by COTR.

**PPWP**

- 10.6.5.7 Execute additional International Test Events. This PPWP can be executed up to **3** times.

**10.6.6 Objective – Experiment Event**

The Contractor shall plan, design, schedule, and execute Experiment events.

**Outcomes**

- 10.6.6.1 Develop requirements, architectures, and required lab preparations.

- 10.6.6.2 Monitor and de-conflict Period of Interest (POI) / Test Event Freeze.
- 10.6.6.3 Prepare lab equipment, such as interfaces, cybersecurity, and ancillary equipment.
- 10.6.6.4 Provide network engineering, test control, and system administrators during event execution.
- 10.6.6.5 Present an AAR to the COTR after the event.
- 10.6.6.6 Ensure lab is Returned-To-Baseline (RTB) or a baseline defined by COTR.

#### PPWP

- 10.6.6.7 Execute additional Experiment Events. This PPWP can be executed up to 3 times.

### 10.6.7 Objective – Pairwise Test Event

The Contractor shall plan, design, schedule, and execute Pairwise Test events.

#### Outcomes

- 10.6.7.1 Develop requirements, architectures, and required lab preparations.
- 10.6.7.2 Monitor and de-conflict Period of Interest (POI) / Test Event Freeze.
- 10.6.7.3 Prepare lab equipment, such as interfaces, cybersecurity, and ancillary equipment.
- 10.6.7.4 Provide network engineering, test control, and system administrators during event execution.
- 10.6.7.5 Present an AAR to the COTR after the event.
- 10.6.7.6 Ensure lab is Returned-To-Baseline (RTB) or a baseline defined by COTR.

#### PPWP

- 10.6.7.7 Execute additional Pairwise Test Events. This PPWP can be executed up to 12 times.

## 10.7 Task - Projects

The contractor shall provide technical oversight for all phases of project planning, design, scheduling, execution and reporting to ensure technical solutions for projects meet their mission, goals, and objectives. The Contractor shall implement solutions, upgrades, enhancements and reconfigurations completing the planning, design, procurement, implementation, documentation and configuration management activities.

Projects are categorized as Routine, Minor, and Small. Priced Prospective Work Packages (PPWP) will be executed to meet surge requirements. There may be instances where additional material, software, or hardware will be required for these projects. In these instances the following PPWPs may be executed.

- Material Package (PPWP). Material (non-software and hardware) to implement upgrades, enhancements, reconfigurations, and projects. This PPWP can be executed up to 20 times.
- Software Package (PPWP). Software to implement upgrades, enhancements, reconfigurations, and projects. This PPWP can be executed up to 12 times
- Hardware Package (PPWP). Hardware to implement upgrades, enhancements, reconfigurations, and projects. This PPWP can be executed up to 16 times.

### 10.7.1 Objective – Project Routine

The Contractor shall plan, design, schedule, and execute Routine Projects.

#### Outcomes

10.7.1.1 Perform project oversight to include customer coordination and communications and respond to requests for information and problem resolution.

10.7.1.2 Plan and develop sequenced, resource-loaded schedules. Identify resources needed to accomplish the project and ensure all resources have the proper work authorizations. Identify risks, work sequencing, critical paths, and procurement lead-times.

10.7.1.3 Initiate requirements management activities. Document and track requirements in a Requirements Traceability Matrix (RTM) which identifies specific and derived requirements.

10.7.1.4 Develop design solutions and conduct design reviews (preliminary and final) for government approval. Participate in required MDIOC review boards (Design Review Board, Engineering and Architecture Board).

10.7.1.5 Develop, maintain, and coordinate technical documentation to include Technical Data Packages, engineering drawings, and interface control specifications for existing systems that require documentation or because of newly developed and/or modified systems. Ensure fully coordinated, redlined change documents are available for the government user and service technicians at customer turnover date; formal configuration control documentation and drawings updated and posted within 60 days of work/project completion.

- CDRL C005: Baseline Engineering Documentation (Due date will be identified in each project.)

10.7.1.6 Execute a project change management process.

10.7.1.7 Complete project close out activities.

10.7.1.8 Provide all closeout documentation to include a project summary, final resource-loaded schedule and an element of cost summary for each project in the in the monthly Task Order Status Review (CDRL C003).

#### PPWPs

10.7.1.9 Execute additional Routine projects. This PPWP can be executed up to 100 times.

### **10.7.2 Objective – Project Minor**

The Contractor shall plan, design, schedule, and execute Minor Projects.

#### Outcomes

10.7.2.1 Perform project oversight to include customer coordination and communications and respond to requests for information and problem resolution.

10.7.2.2 Plan and develop sequenced, resource-loaded schedules. Identify resources needed to accomplish the project and ensure all resources have the proper work authorizations. Identify risks, work sequencing, critical paths, and procurement lead-times.

10.7.2.3 Initiate requirements management activities. Document and track requirements in a Requirements Traceability Matrix (RTM) which identifies specific and derived requirements.

10.7.2.4 Develop design solutions and conduct design reviews (preliminary and final) for government approval. Participate in required MDIOC review boards (Design Review Board, Engineering and Architecture Board).

10.7.2.5 Develop, maintain, and coordinate technical documentation to include Technical Data Packages, engineering drawings, and interface control specifications for existing systems that require documentation or because of newly developed and/or modified systems. Ensure fully coordinated, redlined change documents are available for the government user and service technicians at customer turnover date; formal configuration control documentation and drawings updated and posted within 60 days of work/project completion.

- CDRL C005: Baseline Engineering Documentation (Due date will be identified in each project.)

10.7.2.6 Execute a project change management process.

10.7.2.7 Complete project close out activities.

10.7.2.8 Provide all closeout documentation to include a project summary, final resource-loaded schedule and an element of cost summary for each project in the in the monthly Task Order Status Review (CDRL C003).

#### PPWPs

10.7.2.9 Execute additional Minor projects. This PPWP can be executed up to 50 times

### 10.7.3 Objective – Project Small

The Contractor shall plan, design, schedule, and execute Minor Projects. Each project shall be defined through a Mission Support Task (MST). After the MST is issued the contractor shall provide an engineering estimate, engineering artifacts, and implementation plan to the COTR as outlined in the MST. Upon stakeholder agreement the Contracting Officer will provide an authority to proceed for the contractor to execute and complete the project. The contractor shall establish a discrete work package for each MST. All MSTs will be added as an attachment to the PWS. The Task Change Requirement (TCR) process shall be followed when there is a need to document and communicate a potential cost, schedule, or requirements change to the MST.

#### Outcomes

10.7.3.1 Perform project oversight to include customer coordination and communications and respond to requests for information and problem resolution.

10.7.3.2 Plan and develop sequenced, resource-loaded schedules. Identify resources needed to accomplish the project and ensure all resources have the proper work authorizations. Identify risks, work sequencing, critical paths, and procurement lead-times.

10.7.3.3 Initiate requirements management activities. Document and track requirements in a Requirements Traceability Matrix (RTM) which identifies specific and derived requirements.

10.7.3.4 Develop design solutions and conduct design reviews (preliminary and final) for government approval. Participate in required MDIOC review boards (Design Review Board, Engineering and Architecture Board).

10.7.3.5 Develop, maintain, and coordinate technical documentation to include Technical Data Packages, engineering drawings, and interface control specifications for existing systems that require documentation or because of newly developed and/or modified systems. Ensure fully coordinated, redlined change documents are available for the government user and service technicians at customer turnover date; formal configuration control documentation and drawings updated and posted within 60 days of work/project completion.

- CDRL C005: Baseline Engineering Documentation (Due date will be identified in each project.)

- 10.7.3.6 Execute a project change management process.
- 10.7.3.7 Complete project close out activities.
- 10.7.3.8 Provide all closeout documentation to include a project summary, final resource-loaded schedule and an element of cost summary for each project in the in the monthly Task Order Status Review (CDRL C003).

#### PPWPs

- 10.7.3.9 Execute additional Small projects. This PPWP can be executed up to 24 times

### **10.8 Task Operations and Analysis**

This task enables the contractor to operate the C2BMC for specific test events and analyze data for real word activities.

#### **10.8.1 Objective – Joint Early Warning Analysts**

The Contractor shall provide Joint Early Warning Lab (JEWL) analysts in accordance with the JROCM 062-02.

##### Outcomes

- 10.8.1.1 Coordinate analyses with MDA, USSTRATCOM, and JIAMDOD.
- 10.8.1.2 Provide technical assessments of real-world missile events, flight tests, and exercises.
- 10.8.1.3 Compare missile launch events against intelligence data.
- 10.8.1.4 Collect data at key Early Warning architecture nodes on live, historical, and exercise generated Theater Ballistic Missile (TBM) events.
- 10.8.1.5 Evaluate operational performance the TMW system against performance requirements and reports on current and future TMW capabilities.
- 10.8.1.6 Recommend approaches to integrate new capabilities and technology into the TMW architecture.
- 10.8.1.7 Test and assess TMW Tactical Data Processors (TDP) against new capabilities or systems.
- 10.8.1.8 Outcome - Present analysis and recommendations to Theater Missile Warning Change Control Board (TMW CCB), Engineering Subgroup, Profile Working Group (PWG), Analysis Working Group (AWG) and other technical forums/conferences as required.
- 10.8.1.9 Maintain JEWL Analyst Qualification Program.
- 10.8.1.10 Maintain JEWL Standard Operating Procedures.

#### **10.8.2 Objective - The Contractor shall maintain MDA IPOP.**

##### Outcomes

- 10.8.2.1 Prepare IPOP event documentation.
- 10.8.2.2 Reserved
- 10.8.2.3 Prepare IPOP for event execution.
- 10.8.2.4 Participate in international planning and technical interchange meetings.
- 10.8.2.5 Maintain MDA NATO Secret Control Point at the MDIOC.

- 10.8.2.6 Maintain IPOP qualified operators.
- 10.8.2.7 Maintain IPOP Standard Operating Procedures.

## **10.9 Task - Core IT and Personnel Workspace**

### **10.9.1 Objective – Core IT and Personnel Workspace Services and Sustainment**

The Contractor shall provide services necessary for sustainment of C2BMC ancillary IT systems and capabilities and office space areas. Sustainment activities include network management, configuration management, proactive/corrective maintenance, hardware and software refresh, break/fix service restoration, and engineering services. The Contractor shall provide cost estimates for hardware and software purchases. IT systems include:

- Classified Local Area Network (CLAN)
- BMDSS Integrated Classified Environment (ICE)
- Unclassified Local Area Network (ULAN)
- Software
- Printers
- Voice communications
- Audio-visual equipment
- Video conferencing
- Office equipment

The contractor shall provide customer support services inclusive of service desk operations, touch-labor client services, conference and event activities, Install/Move/Add/Change (IMAC) services and engineering services.

#### **Outcomes**

10.9.1.1 Maintain and refresh hardware, software and current capabilities in accordance with industry best maintenance practices ensuring an appropriate mix between proactive and corrective maintenance, repair, and replacement to maintain availability of systems, equipment, and networks. Document and execute maintenance plans, schedules, and performance expectations. Utilize system performance and maintenance trending analysis to manage the maintenance program. Manage and maintain currency on all licensing and update services for third-party software, software drivers, and diagnostic software.

- CDRL C008: Maintenance and Spare Report

10.9.1.2 Develop criteria for technology refresh of hardware, software, and current capabilities in accordance with industry best practices to ensure availability. Leverage MDA Information Technology (IT) support policy to minimize investments for IT hardware and software above MDA standards. Manage and provide the government with real-time access to a database that conforms to Defense Property Accountability System (DPAS) requirements identifying the location and acquisition details for all acquired assets. Implement an integrated approach to operate and manage hardware and software investments that provides for the continuous identification, selection, control, life-cycle management, and evaluation of the investments in a structured process resulting in a systematic method to maximize investment return and allow predictable budgeting.

- CDRL C007: Operational Support Documentation: Technology Refresh Plan

10.9.1.3 Configure and maintain office spaces in a manner to enable full functionality of personnel.

10.9.1.4 Respond to degradations/failures within 8 hours and within 24 hours provide an estimated timeline associated with service restoral in accordance with contractor-developed ticket escalation procedures. Demonstrate minimal impact to mission while repair activities are initiated, conducted, and completed. The response times for incidents occurring outside of core hours don't begin until 0730 the following business day. A summary of degradations/failures, to include the response times and a root-cause analysis shall be documented in the monthly Task Order Status Review (CDRL C003).

10.9.1.5 Provide Tier II help desk support during core business hours (Monday-Friday: 0730h-1600h). Resolve calls received outside of core business hours the following business day. Ensure knowledge base maintenance and development enabling first call resolution of help desk calls. Ensure 24/7 2-hour response time for help desk support calls coming from the critical functional areas.

10.9.1.6 Manage customer experience lifecycle ensuring all requests are handled in accordance with incident response and service level objectives with communication out to customers with defined service level expectations.

10.9.1.7 Report to the MDIOC Service Desk when classified and unclassified printers are not operational and facilitate paper and toner replacements.

10.9.1.8 Service the "Unclassified Sensitive/FOUO/Proprietary Information" recycle bins through the MDIOC Service Desk.

#### PPWPs

10.9.1.9 Hardware sustainment X10. Upgrade and refresh current hardware capabilities above the established baseline.

10.9.1.10 Software sustainment X10. Upgrade and refresh current software capabilities above the established baseline.

10.9.1.11 Material sustainment X10. Material (non-software and hardware) to implement upgrades, enhancements, reconfigurations, and projects.

# Acronyms

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AAR.....	After Action Review
ACAS.....	Assured Compliance Assessment Solution
ATO .....	Authority to Operate
AWG .....	Analysis Working Group
BITC .....	BMDS Integration and Test Center
BMD .....	Ballistic Missile Defense
BMDS .....	Ballistic Missile Defense System
BOA.....	BMDS OPIR Architecture
C&A.....	Certification and Accreditation
C2BMC .....	Command, Control, Battle Management, and Communications
CCB .....	Configuration Control Board
CDP.....	C??? Data Package
CESS .....	C2BMC Executive Summary Schedule
CMRS .....	Continuous Monitoring and Risk Scoring
CND.....	Computer Network Defense
CTB-TA .....	C2BMC Testbed – Test Article
CTB-TE .....	C2BMC Testbed – Test Environment
CTO .....	Cyber Task Order
DCID.....	Director of Central Intelligence Directive
DISA .....	Defense Information Systems Agency
EA .....	Executive Agent
eMASS.....	Enterprise Mission Assurance Support Service
ePO.....	ePolicy Orchestrator (McAfee)
GMD .....	Ground-based Midcourse Defense

GPO .....Group Policy Object

GT .....Ground Test

GTL.....Ground Test Integrated

HBSS .....Host-Based Security System

HWIL .....Hardware-in-the-Loop

IATT .....Interim Authority to Test

IAVM.....Information Assurance Vulnerability Management

IMTP .....Integrated Master Test Plan

IPOP.....International Point of Presence

JEWL .....Joint Early Warning Lab

JIAMDO .....Joint Integrated Air and Missile Defense Organization

JROCM .....Joint Requirement Oversight Council Memorandum

MDA .....Missile Defense Agency

MDNT.....Missile Defense National Team

NISPOM .....National Industrial Security Program Operating Manual

OCL .....OPIR Consolidated Laboratory

OPIR .....Overhead Persistent Infrared

POA&M.....Plan of Actions and Milestones

PIO.....Period of Interest

PPWP .....Priced Prospective Work Package

PWG.....Profile Working Ground

RFS .....Request for Service

RMF.....Risk Management Framework

RRB .....Requirements Review Board

RRT.....Risk Reduction Test

RTB.....Return-To-Baseline

SCAP

SCCVI.....

SBIRS .....Space-based Infrared System

SPMT .....System Pre-Mission Test

SPFR .....System Post-Flight Reconstruction

ST&E .....Security Test and Evaluation

TDP.....Tactical Data Processor

TMB.....Theater Ballistic Missile

TES .....Theater Event System

TMW .....Theater Missile Warning

USSTRATCOM.....United States Strategic Command

X-Lab.....Experimentation Lab

# Definitions

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**Information Systems Security** prevents unauthorized access, use, disclosure, disruption, modification, inspection, recording or destruction of information, and/or equipment and processes that create information.

**Information Security System.** The system of policies, procedures, and requirements established in accordance with Reference (d) to protect information that, if subjected to unauthorized disclosure, could reasonably be expected to cause damage to national security. The term also applies to policies, procedures, and requirements established to protect unclassified information that may be withheld from release to the public pursuant to Executive order, statute or regulation.

**Information security**, sometimes shortened to InfoSec, is the practice of preventing unauthorized access, use, disclosure, disruption, modification, inspection, recording or destruction of information. It is a general term that can be used regardless of the form the data may take (e.g. electronic, physical).

**Computer security**, also known as cyber security or IT security, is the protection of computer systems from the theft or damage to the hardware, software or the information on them, as well as from disruption or misdirection of the services they provide.<sup>[1]</sup>

It includes controlling physical access to the hardware, as well as protecting against harm that may come via network access, data and code injection,<sup>[2]</sup> and due to malpractice by operators, whether intentional, accidental, or due to them being tricked into deviating from secure procedures.<sup>[3]</sup>

The field is of growing importance due to the increasing reliance on computer systems and the Internet in most societies,<sup>[4]</sup> wireless networks such as Bluetooth and Wi-Fi – and the growth of "smart" devices, including smartphones, televisions and tiny devices as part of the Internet of Things.

## Networking Environment

### Enclave

**System Security Engineering (SSE)** is an element of systems engineering that applies scientific and engineering principles to identify security vulnerabilities and minimize or contain risks associated with these vulnerabilities. Program Protection is the DoD's integrating process for mitigating and managing risks to advanced technology and mission-critical system functionality from foreign collection, design vulnerability or supply chain exploit/insertion, battlefield loss, and unauthorized or inadvertent disclosure throughout the acquisition life cycle. The SSE process captures SSE analysis in the system requirements and design documents, and SSE verification in the test plans, procedures, and results documents.

<b>ORDER FOR SUPPLIES OR SERVICES</b>												PAGE 1 OF 15	
1. CONTRACT/PURCH. ORDER/AGREEMENT NO. HQ079617D0001				2. DELIVERY ORDER/CALL NO. HQ079618F6100P00004		3. DATE OF ORDER/CALL (YYYYMMDD) 2018 Feb 01		4. REQ. PURCH. REQUEST NO. See Schedule		5. PRIORITY  DX-C9			
6. ISSUED BY MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300				CODE HQ0796		7. ADMINISTERED BY (if other than 6) DCMA HUNTSVILLE 1040 RESEARCH BLVD SUITE 100 MADISON AL 35758-2040				CODE S0107A			
8. DELIVERY FOB <input checked="" type="checkbox"/> DESTINATION <input type="checkbox"/> OTHER  (See Schedule if other)													
9. CONTRACTOR JACOBS TECHNOLOGY INC. 550 WILLIAM NORTHERN BLVD. TULLAHOMA TN 37388-4727 NAME AND ADDRESS				CODE 7EBK3		FACILITY		10. DELIVER TO FOR POINT BY (Date) (YYYYMMDD) <b>SEE SCHEDULE</b>		11. MARK IF BUSINESS IS <input type="checkbox"/> SMALL <input type="checkbox"/> SMALL DISADVANTAGED <input type="checkbox"/> WOMEN-OWNED			
12. DISCOUNT TERMS													
13. MAIL INVOICES TO THE ADDRESS IN BLOCK See Item 15													
14. SHIP TO MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300				CODE HQ0796		15. PAYMENT WILL BE MADE BY DCAS COLUMBUS CENTER SOUTH ENTITLEMENT OPERATIONS P. O. BOX 182264 COLUMBUS OH 43218-2264				MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2.			
16. TYPE OF ORDER		DELIVERY/ CALL		<input checked="" type="checkbox"/>		This delivery order/call is issued on another Government agency or in accordance with and subject to terms and conditions of above numbered contract.							
		PURCHASE		<input type="checkbox"/>		Reference your quote dated Furnish the following on terms specified herein, REF:							
ACCEPTANCE. THE CONTRACTOR HEREBY ACCEPTS THE OFFER REPRESENTED BY THE NUMBERED PURCHASE ORDER AS IT MAY PREVIOUSLY HAVE BEEN OR IS NOW MODIFIED, SUBJECT TO ALL OF THE TERMS AND CONDITIONS SET FORTH, AND AGREES TO PERFORM THE SAME.													
NAME OF CONTRACTOR				SIGNATURE				TYPED NAME AND TITLE				DATE SIGNED (YYYYMMDD)	
<input type="checkbox"/> If this box is marked, supplier must sign Acceptance and return the following number of copies:													
17. ACCOUNTING AND APPROPRIATION DATA/ LOCAL USE  See Schedule													
18. ITEM NO.		19. SCHEDULE OF SUPPLIES/ SERVICES				20. QUANTITY ORDERED/ ACCEPTED*		21. UNIT		22. UNIT PRICE		23. AMOUNT	
		SEE SCHEDULE											
* If quantity accepted by the Government is same as quantity ordered, indicate by X. If different, enter actual quantity accepted below quantity ordered and encircle.				24. UNITED STATES OF AMERICA TEL: (b)(6) E-MAIL: (b)(6) BY: (b)(6)				25. TOTAL \$2490.142.00 EST		26. DIFFERENCES			
27a. QUANTITY IN COLUMN 20 HAS BEEN <input type="checkbox"/> INSPECTED <input type="checkbox"/> RECEIVED <input type="checkbox"/> ACCEPTED, AND CONFORMS TO THE CONTRACT EXCEPT AS NOTED													
b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE						c. DATE (YYYYMMDD)		d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE					
e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE						28. SHIP NO.  <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL		29. DO VOUCHER NO.		30. INITIALS			
f. TELEPHONE NUMBER				g. E-MAIL ADDRESS				32. PAID BY		33. AMOUNT VERIFIED CORRECT FOR			
36. I certify this account is correct and proper for payment.						31. PAYMENT  <input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL				34. CHECK NUMBER			
a. DATE (YYYYMMDD)		b. SIGNATURE AND TITLE OF CERTIFYING OFFICER								35. BILL OF LADING NO.			
37. RECEIVED AT		38. RECEIVED BY		39. DATE RECEIVED (YYYYMMDD)		40. TOTAL CONTAINERS		41. S/R ACCOUNT NO.		42. S/R VOUCHER NO.			

Section B - Supplies or Services and Prices

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1000	(b)(4)				(b)(4)
	Services/ Solutions				
	CPIF				
	The contractor shall provide all services/ capabilities identified in the performance work statement (PWS) at attached to this task order. All task order costs, other than those specifically included in another contract line item number (CLIN), are included in this CLIN.				
	All share ratios are identified as follows (b)(4) Government/Contractor. The share ratios are subject to revision in accordance with the IRES Performance Evaluation and Incentive Plan (Contract Attachment J-06).				
	NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.				
	FOB: Destination				
	PURCHASE REQUEST NUMBER: HQ0147862784				
				TARGET COST	(b)(4)
				TARGET FEE	
				TOTAL TGT COST + FEE	
				MINIMUM FEE	
				MAXIMUM FEE	
				SHARE RATIO ABOVE TARGET	
				SHARE RATIO BELOW TARGET	

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100001	(b)(4)	
	Services/ Solutions	
	ACRNAA	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147862784	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100002	Incremental Funding	
	ACRNAB	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863364	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100003	CLIN 1000, Incremental Funding	
	ACRN AD	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147969251	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1060		(b)(4)			(b)(4)

R&D Expensed CAP: IT Software  
CPIF

Contractor purchase of expensed contractor-acquired property (CAP)—internal use software (IUS)—necessary to provide the services/capabilities identified in the PWS attached to this task order. CAP is defined in FAR 52.245-1.

Expensed CAP line items were created as an accounting mechanism designed to provide MDA better visibility and linkage of budget, obligation, expenditure, and government property data. Given the need for this level of visibility and linkage, as well as the need to include these costs as an integral component of the incentives, all task order CLINs are combined and considered a single entity for the purpose of administering the cost and performance incentives identified in the IRES Performance Evaluation and Incentive Plan (Contract Attachment J-06).

All share ratios are identified as follows: (b)(4) Government/Contractor. The share ratios are subject to revision in accordance with the IRES Performance Evaluation and Incentive Plan.

NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.

FOB: Destination

PURCHASE REQUEST NUMBER: HQ0147862784

TARGET COST  
TARGET FEE

TOTAL TGT COST + FEE  
MINIMUM FEE  
MAXIMUM FEE

SHARE RATIO ABOVE TARGET  
SHARE RATIO BELOW TARGET

(b)(4)

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106001		

Incremental Funding

ACRN AC

PURCHASE REQUEST NUMBER: HQ0147862784

(b)(4)

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1080		(b)(4)			(b)(4)

Capital Asset: IST Internal Use Software  
CPIF

Contractor purchase of expensed contractor-acquired property (CAP)—internal use software (IUS)—necessary to provide the services/capabilities identified in the PWS attached to this task order. CAP is defined in FAR 52.245-1.

Expensed CAP line items were created as an accounting mechanism designed to provide MDA better visibility and linkage of budget, obligation, expenditure, and government property data. Given the need for this level of visibility and linkage, as well as the need to include these costs as an integral component of the incentives, all task order CLINs are combined and considered a single entity for the purpose of administering the cost and performance incentives identified in the IRES Performance Evaluation and Incentive Plan (Contract Attachment J-06).

All share ratios are identified as follows (b)(4) Government/Contractor. The share ratios are subject to revision in accordance with the IRES Performance Evaluation and Incentive Plan.

NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.

FOB: Destination

PURCHASE REQUEST NUMBER: HQ0147862784

TARGET COST  
TARGET FEE

TOTAL TGT COST + FEE  
MINIMUM FEE  
MAXIMUM FEE

SHARE RATIO ABOVE TARGET  
SHARE RATIO BELOW TARGET

(b)(4)

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	AMOUNT
108001	Incremental Funding	

ACRNAC

(b)(4)

PURCHASE REQUEST NUMBER: HQ0147862784

ITEMNO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1081		(b)(4)			(b)(4)

Capital Asset: BORRS Internal Use Software  
CPIF

Contractor purchase of expensed contractor-acquired property (CAP)—internal use software (IUS)—necessary to provide the services/capabilities identified in the PWS attached to this task order. CAP is defined in FAR 52.245-1.

Expensed CAP line items were created as an accounting mechanism designed to provide MDA better visibility and linkage of budget, obligation, expenditure, and government property data. Given the need for this level of visibility and linkage, as well as the need to include these costs as an integral component of the incentives, all task order CLINs are combined and considered a single entity for the purpose of administering the cost and performance incentives identified in the IRES Performance Evaluation and Incentive Plan (Contract Attachment J-06).

All share ratios are identified as follows: (b)(4) Government/Contractor. The share ratios are subject to revision in accordance with the IRES Performance Evaluation and Incentive Plan.

NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.

FOB: Destination

PURCHASE REQUEST NUMBER: HQ01 47862784

TARGET COST  
TARGET FEE  
TOTAL TGT COST + FEE  
MINIMUM FEE  
MAXIMUM FEE  
SHARE RATIO ABOVE TARGET  
SHARE RATIO BELOW TARGET

(b)(4)

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	AMOUNT
108101	Incremental Funding	
	ACRN AC	(b)(4)
	PURCHASE REQUEST NUMBER: HQ01 47862784	

ITEM NO 1081 02	SUPPLIES/SERVICES  CLIN 1081 , Incremental Funding  ACRNAE  PURCHASE REQUEST NUMBER: HQ0147969251	AMOUNT          (b)(4)
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ITEM NO 1082	SUPPLIES/SERVICES  Capital Asset: RFA/RFI Internal Use SW CPIF Contractor purchase of expensed contractor-acquired property (CAP)—internal use software (IUS)—necessary to provide the services/capabilities identified in the PWS attached to this task order. CAP is defined in FAR 52.245-1 .  Expensed CAP line items were created as an accounting mechanism designed to provide MDA better visibility and linkage of budget, obligation, expenditure, and government property data. Given the need for this level of visibility and linkage, as well as the need to include these costs as an integral component of the incentives, all task order CLINs are combined and considered a single entity for the purpose of administering the cost and performance incentives identified in the IRES Performance Evaluation and Incentive Plan (Contract Attachment J-06).  All share ratios are identified as follows (b)(4) Government/Contractor. The share ratios are subject to revision in accordance with the IRES Performance Evaluation and Incentive Plan. NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent. FOB: Destination PURCHASE REQUEST NUMBER: HQ0147862784	QUANTITY (b)(4)	UNIT (b)(4)	UNIT PRICE (b)(4)	AMOUNT (b)(4)
-----------------	---	--------------------	----------------	----------------------	------------------

TARGET COST	
TARGET FEE	
TOTAL TGT COST + FEE	
MINIMUM FEE	
MAXIMUM FEE	
SHARE RATIO ABOVE TARGET	
SHARE RATIO BELOW TARGET	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
108201	Incremental Funding	
	ACRNAC	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147862784	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
108202	CLIN 1082, Incremental Funding	
	ACRN AE	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147969251	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
---------	-------------------	----------	------	------------	--------

7990		1	Lot		NSP
------	--	---	-----	--	-----

Data Delivery

FFP

The contractor shall deliver all data identified in the contract data requirements lists (CDRL) attached to this task order.

Reference Section G of the basic contract. At the end of the task order period of performance, the contractor shall submit one Invoicing, Receipt, Acceptance, and Property Transfer (iRAPT) receiving report for all data previously delivered.

NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.

FOB: Destination

PURCHASE REQUEST NUMBER: HQ0147862784

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NET AMT

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
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7991		1	Lot		NSP
------	--	---	-----	--	-----

CAP Delivery/ CDRL

FFP

Delivery of expensed CAP as required by the IRES Government Property Management Task Order.

NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.

FOB: Destination

PURCHASE REQUEST NUMBER: HQ0147862784

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NET AMT

FSC CD: AC23

Section E - Inspection and Acceptance

INSPECTION AND ACCEPTANCE TERMS

Supplies/services will be inspected/accepted at:

CLIN	INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
1000	Destination	Government	Destination	Government
100001	N/A	N/A	N/A	N/A
100002	N/A	N/A	N/A	N/A
100003	N/A	N/A	N/A	N/A
1060	Destination	Government	Destination	Government
106001	N/A	N/A	N/A	N/A
1080	Destination	Government	Destination	Government
108001	N/A	N/A	N/A	N/A
1081	Destination	Government	Destination	Government
108101	N/A	N/A	N/A	N/A
108102	N/A	N/A	N/A	N/A
1082	Destination	Government	Destination	Government
108201	N/A	N/A	N/A	N/A
108202	N/A	N/A	N/A	N/A
7990	Destination	Government	Destination	Government
7991	Destination	Government	Destination	Government

Section F - Deliveries or Performance

DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	DODAAC / CAGE
1000	POP 05-MAR-2018 TO 04-MAR-2020	N/A	MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 FOB: Destination	HQ0796
100001	N/A	N/A	N/A	N/A
100002	N/A	N/A	N/A	N/A
100003	N/A	N/A	N/A	N/A
1060	POP 05-MAR-2018 TO 04-MAR-2020	N/A	MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 FOB: Destination	HQ0796
106001	N/A	N/A	N/A	N/A
1080	POP 05-MAR-2018 TO 04-MAR-2020	N/A	MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 FOB: Destination	HQ0796
108001	N/A	N/A	N/A	N/A
1081	POP 05-MAR-2018 TO 04-MAR-2020	N/A	MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 FOB: Destination	HQ0796
108101	N/A	N/A	N/A	N/A
108102	N/A	N/A	N/A	N/A

1082	POP 05-MAR-2018 TO 04-MAR-2020	N/A	MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 FOB: Destination	HQ0796
108201	N/A	N/A	N/A	N/A
108202	N/A	N/A	N/A	N/A
7990	POP 05-MAR-2018 TO 04-MAR-2020	N/A	MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 FOB: Destination	HQ0796
7991	POP 05-MAR-2018 TO 04-MAR-2020	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796

Section G - Contract Administration Data

ACCOUNTING AND APPROPRIATION DATA

AA: 04441 097 0400.000 N 20182019 D 2520 XK_SD03P_FY18 AMOUNT: (b)(4)	DW-XI-FY1819	71DD	255
AB: 04441 097 0400.000 N 20172018 D 2520 XK_SD03P_FY17 AMOUNT: (b)(4)	DW-XI-FY1718	71DD	255
AC: 04441 097 0400.000 N 20182019 D 2520 XK_SD03P_FY18 AMOUNT: (b)(4)	DW-XI-FY1819	71DD	310
AD: 04441 097 0400.000 N 20192020 D 2500 XK_SD03P_FY19 AMOUNT: (b)(4)	DW-XI-FY1920	71DD	255
AE: 04441 097 0400.000 N 20192020 D 2500 XK_SD03P_FY19 AMOUNT: (b)(4)	DW-XI-FY1920	71DD	310

ACRN	CLIN/SLIN	CIN	AMOUNT
AA	100001	HQ01478627841000	(b)(4)
AB	100002	HQ01478633640001	
AC	106001	HQ01478627841060	
	108001	HQ01478627841080	
	108101	HQ01478627841081	
	108201	HQ01478627841082	
AD	100003	HQ01479692510001	
AE	108102	HQ01479692510002	
	108202	HQ01479692510003	

BILLING INSTRUCTIONS

Payments for CLINs 1000, 1060, 1080, 1081, and 1082 will be made in accordance with FAR 52.216-7, Allowable Cost and Payment. Payments and the fee payable under the task order are subject to adjustments in accordance with FAR 52.216.10, Incentive Fee, and performance assessments conducted in accordance with the IRES Performance Evaluation and Incentive Plan (Attachment J-06).

In accordance with FAR 52.216-10 (b)(1), the Contractor is authorized to bill fee by contract line item number (CLIN) not to exceed the following (b)(4) of target fee) x (cost billed against the CLIN to date, including this voucher). Overbilling of fee as a result of this change in the billing instructions shall not be refunded to the Government, unless the overbilling cannot be corrected any other way. Instead, fee shall not be billed until the contractor is no longer in an overbilling status. The Contractor shall show the fee calculation by line item on each voucher. All task order CPIF CLINs are combined and considered a single entity for the purpose of administering the cost and performance incentives identified in the IRES PEIP (Contract Attachment J-06).

WAWF email notifications. In accordance with 252.232-7006, the Contractor shall enter the following email addresses in the "Send Additional Email Notifications" field of WAWF once a document is submitted in the system:

CLIN 7990 (b)(6)@mda.mil  
 CLIN 7991 (b)(6)@mda.mil (b)(6)@mda.mil (b)(6)@mda.mil

Section I - Contract Clauses

CLAUSES INCORPORATED BY REFERENCE

52.232-22	Limitation Of Funds	APR 1984
252.211-7003	Item Unique Identification and Valuation	MAR 2016

CLAUSES INCORPORATED BY FULL TEXT

252.204-0003 LINE ITEM SPECIFIC: CONTRACTING OFFICER SPECIFIED ACRN ORDER. (SEP 2009)

The payment office shall make payment within the line item in the sequence ACRN order specified below, exhausting all funds in the previous ACRN before paying from the next ACRN.

Line Item	ACRN Order
1000	AA, AB
1060	
1080	
1081	
1082	

(End of clause)

LIMITATION OF FUNDS

Pursuant to the "Limitation of Funds" clause (FAR 52.232-22). The total sum presently available for payment by the Government and allotted each contract line item is:

CLIN 1000	(b)(4)
CLIN 1060	
CLIN 1080	
CLIN 1081	
CLIN 1082	
Total:	

Based on the information available to the Government, this amount will cover costs associated with:

CLIN 1000: through 28 Feb 2019  
CLIN 1060: through 28 Feb 2019  
CLIN 1080: through 28 Feb 2019  
CLIN 1081 : through 28 Feb 2019  
CLIN 1082: through 28 Feb 2019

The contractor shall invoice all CLINs in accordance with DFAR 252.204-0003, Line Item Specific: Contracting Officer Specified ACRN Order (SEP 2009).

Section J - List of Documents, Exhibits and Other Attachments

Exhibit/Attachment Table of Contents

DOCUMENT TYPE	DESCRIPTION	PAGES	DATE
Attachment 1	PWS, REV 1	26	05-MAR-2019
Attachment 10	CDRL C017- RFI Computer SW Product	3	05-MAR-2019
Attachment 2	CDRL C002- Task Order Status Report V2	3	05-MAR-2019
Attachment 3	CDRL C009- BORRS POAM	3	05-MAR-2019
Attachment 4	CDRL C010- BORRS SSDD	3	05-MAR-2019
Attachment 5	CDRL C011- BORRS User Guide	3	05-MAR-2019
Attachment 6	CDRL C013- BORRS Computer SW Product	3	05-MAR-2019
Attachment 7	CDRL C014- RFI POAM	3	05-MAR-2019
Attachment 8	CDRL C015- RFI SSDD	3	05-MAR-2019
Attachment 9	CDRL C016- RFI UserGuide	3	05-MAR-2019

**Missile Defense Agency (MDA)**

**Integrated Research & Development for Enterprise Solutions (IRES)**

**Contract Number:** HQ0796-17-D-0001

**Task Order Title:** Warfighter Operations Support

**Task Order Number:** 6100

**Period of Performance:** March 5, 2018 – March 4, 2020

**Task Order Type:** Cost Plus Incentive Fee (CPIF)

~~WARNING- This document contains information that may be exempt from  
mandatory disclosure under the Freedom of Information Act~~

## Performance Work Statement Revision History

Rev	Mod	Date	Revision/Change Description
0.0	Initial	07NOV16	
0.1	ITP 1	02OCT17	Updates based upon recommended changes to PWS from ITP 1.
0.2	ITP 2	04OCT17	Updates based upon recommended changes to PWS from ITP 2.
0.8	ITP 3	25OCT17	Updates based upon recommended changes from ITP 3 and update to 10.1.
0.9	ITP 4	26OCT17	Updates based upon recommended changes from ITP 4 related to BOE review.
1.0	ITP 5	30OCT17	Updates based upon conversation with CO and COTR. Outline changes to include Outcomes, etc.
2.0			<ul style="list-style-type: none"><li>-Modified structure of PWS language to be less repetitive and consolidate development of specific versions into single task</li><li>-Removed development scope of NextGen IST</li><li>-Removed POAM requirement from OPS-IMMEDIATE fixes</li><li>-Inserted Definitions Table</li><li>-Changed version numbers for NextGen IST, BORRS, and RFI/RFA</li><li>-administrative changes</li><li>-Added cross-product support requirement to Special Requirements section and paragraphs 10.2.2.1, 10.3.2.1, and 10.4.2.1</li></ul>

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## 1.0 Purpose

Enable the Missile Defense Agency (MDA), Directorate of Warfighter Strategic Integration (DDW) to support the Warfighter, IAW MDA Goal #1, through the development and maintenance of software to enable the BMDS Operational Readiness Reporting process and the Warfighter Requests for Analysis (RFA) and Information (RFI) and maintenance of software to enable the Ballistic Missile process to maximize global and regional BMDS capabilities and availability to defend our nation, allies, and forward deployed forces.

Task Orders issued under the IRES contract are dependent, either wholly or partially, on one another. It will be the responsibility of this Task Order to provide efficient and effective systems engineering processes to deliver integrated solutions across all stakeholders utilizing this contract to execute requirements.

The following acronyms are used in this document and presented here for reference purposes.

**Table 1 Terms and Acronyms**

Term/Acronym	Description
ACOTR	Assistant Contracting Officer Technical Representative
BAM	Ballistic Missile Defense System (BMDS) Asset Management
BMD	Ballistic Missile Defense
BMDS	Ballistic Missile Defense System
BORRS	BMDS Operational Readiness Reporting System
BREAK-FIX	A break in service, which prevents or will prevent the application from meeting one or more operational requirements and no acceptable means of continuing the task exist.
CCMD	Combatant Command
CDRL	Contract Data Requirements List
CI	Configuration Item
COCOM	Combatant Commands
COTR	Contracting Officer Technical Representative
COTS	Commercial Off-The-Shelf
CPIF	Cost Plus Incentive Fee
DAC	Days After Contract
DDW	Directorate of Warfighter Strategic Integration
DDWA	Stakeholder for IST
DDWO	Stakeholder for BORRS
DDWP	Stakeholder for RFA/RFI
GFE	Government Furnished Equipment
GFI	Government Furnished Information
IAW	In Accordance With
ICVA	MDA Information Assurance
IPR	Interim Program Reviews
IRES	Integrated Research & Development for Enterprise Solutions
IST	Integrated Scheduling Tools
LOGREP	Logistics Report
MDA	Missile Defense Agency
MSNCAP	Mission Capability
MW/SS	Missile Warning/Space Surveillance

Term/Acronym	Description
<b>OPS-IMMEDIATE</b>	Mission critical software updates required to support Combatant Commands Ballistic Missile Defense operations.
<b>OSD</b>	Office of Secretary of Defense
<b>POA&amp;M</b>	Plan of Action and Milestones; aka Software Development Plan
<b>PROCAP</b>	Protection Capability
<b>QASP</b>	Quality Assurance Surveillance Plan
<b>RDT&amp;E</b>	Research, Development, Test & Evaluation
<b>REDCON</b>	Readiness Condition
<b>REGCAP</b>	Regional Posture
<b>RFA</b>	Request for Analysis
<b>RFI</b>	Request for Information
<b>RFT</b>	Request for Alliance Participation in Test
<b>SDP</b>	Software Development Plan
<b>SEI</b>	System Engineering and Integration
<b>SOO</b>	Statement of Objectives
<b>SSI</b>	Service Summary Item
<b>STIM</b>	Stakeholder Technical Interface Manager
<b>USSTRATCOM</b>	United States Strategic Command

Table 2 Definitions

Term	Definition
<b>Break-Fix</b>	A sustainment or maintenance activity in response to a break in service, which prevents, or will prevent, the application from meeting one or more operational requirements and no acceptable alternate means of continuing the task exist.
<b>Development</b>	As defined in International Standard <b>IEEE 24765-2010</b> : 1. The specification, construction, testing and delivery of a new application or of a discrete addition to an existing application. Software life cycle process that contains the activities of requirements analysis, design, coding, integration, testing, installation and support for acceptance of software products.
<b>Maintenance</b>	As defined in International Standard <b>IEEE 24765-2010</b> : 1. The process of modifying a software system or component after delivery to correct faults, improve performance or other attributes, or adapt to a changed environment. The effort to keep an application performing per its specifications, generally without changing its functionality.
<b>Ops-Immediate</b>	A sustainment or maintenance activity in response to a mission critical update required to support combatant commands ballistic missile defense operations.
<b>Reviewed Software</b>	Software that that been reviewed by ICVA with a Source Code Security Assessment Report (SCSAR) applied to it.
<b>Software Delivery Date</b>	The day developed software is turned in for IA review to ICVA with the intent of getting a Source Code Security Assessment Report (SCSAR)
<b>Sustainment</b>	As defined in International Standard <b>IEEE 24765-2010</b> : Activities performed to ensure that a product or service remains operational

## 2.0 Background

**BAM** is a continuous process of planning, coordinating, scheduling, and executing access to operational and Research, Development, Test & Evaluation (RDT&E) **BMDS** assets owned and operated by many commands and agencies dispersed around the globe with differing missions and competing priorities. The **BAM** process facilitates **MDA** in aligning scheduled assets in support of Warfighter BMD; Missile Warning/Space Surveillance (MW/SS) operations; and **MDA** RDT&E, training, and sustainment activities.

Operational Readiness Reporting provides critical operational readiness metrics to **MDA** and the combatant commands. The process collects and maintains relevant **BMDS** operational readiness data and configuration status. This includes, but is not limited to, logistics reports (LOGREPs), activity start/stop times, and changes in configuration. **DDW** uses this information to report operational readiness metrics including operational availability, equipment readiness rate, Warfighter availability, and readiness condition (REDCON) and protection capability (PROCAP) attainment.

The **RFA/RFI/RFT** process defines the entry point and process for the Office of Secretary of Defense (OSD), Joint Staff, defense agencies, combatant commands (CCMDs), Services, and other **DoD** and U.S. Governmental organizations to request analysis and information from **MDA**. It also defines the handling, routing, and approval process for delivery of official **MDA RFA/RFI/RFT** responses to the request originators.

Each tool requires sustainment and maintenance throughout the period of performance. To support the changing requirements of the Warfighter and their operational use of the tools above, maintenance activities are prioritized by criticality as determined by the Government.

In addition to normal maintenance activities, urgent maintenance is characterized into two ways:

- **BREAK-FIXes** or
- **OPS-IMMEDIATE.**

**BREAK-FIXes** are a break in service, which prevents or will prevent the application from meeting one or more operational requirements and no acceptable means of continuing the task exist.

**OPS-IMMEDIATEs** are mission critical software updates required to support Combatant Commands Ballistic Missile Defense operations.

## 3.0 Scope

This effort will protect the Ballistic Missile Defense System (**BMDS**) baseline integrity while supporting the successful technical execution of all Missile Defense Agency (**MDA**) events and mission activities performed under the **IRES** contract.

Provide software application solutions resulting in consistent requirements execution methodology and increased mission assurance at reduced program costs. Innovative solutions are desired, but not at the expense of mission success.

- Design and develop the **BMDS** Operational Readiness Reporting System (**BORRS**) to meet Warfighter and **MDA** requirements.
- Design and develop the **MDA RFA/RFI** application to meet Warfighter and **MDA** requirements.
- Sustain and maintain the **IST**, **BORRS** and **RFA/RFI** tool to include **BREAK-FIXes**, **OPS-IMMEDIATE**, and helpdesk functions.

## 4.0 Service Summary Items

In accordance with the **IRES** Performance Evaluation and Incentive Plan, Service Summary Items (**SSIs**) 1 through 4 are common [required] on all **Task Orders** and will be assessed at the contract level (i.e., all **Task Orders** will receive the same rating).

**SSIs** 5 -8 identified below will be assessed at the task order level. Tasks are weighted based on their relative importance to mission execution.

**Table 3 Task Order Specific SSIs**

SSI Definition	
Name	(b)(4)
Identifier	
Definition	
Measurable Concept	
Questions Addressed	
Baseline Measure	
Technical Performance Measures	
Notes	

SSI Definition	
Name	(b)(4)
Identifier	
Definition	
Measurable Concept	
Questions Addressed	
Baseline Measure	
Technical Performance Measures	
Notes	

SSI Definition	
Name	(b)(4)
Identifier	
Definition	
Defect	
Measurable Concept	
Questions Addressed	
Baseline Measure	
Technical Performance Measures	
Notes	

SSI Definition	
Name	(b)(4)
Identifier	
Definition	
Defect	
Measurable Concept	
Questions Addressed	
Baseline Measure	
Technical Performance Measures	
Notes	

## 5.0 Contract Data Requirements List (CDRL)

The point of delivery for all **CDRL** products, except as noted in Exhibit C, is the **MDA ECaRT** system. The Contractor shall deliver all such products by saving and profiling them in **ECaRT**, with the appropriate notification of delivery letter transmitted electronically to the Government's Data Management Office.

EVM CDRLs have additional delivery requirements. EVM CDRLs are also delivered via the CADE EVM CR website (<http://cade.osd.mil/roles/submitters>)

Jacobs will need to request an account in order to submit to the EVM CR. You can also email CADESupport@Tecolote.com or call the CADE/PARCA help desk at 253-564-1979.

**Table 4 Contract Data Requirements List (CDRL)**

Task	CDRL	DID	Title	Description
10.1	C001	DI-MGMT-81861/T	HQ0796-18-F-6100: Integrated Program Management Report	This <b>Task Order</b> will fall under the IRES <b>Reduced EVM</b> Requirements. Contains data for measuring cost and schedule performance. The IPMR is structured around seven formats that contain the content and relationships required for the electronic submissions.
10.1	C002	DI-MISC-80508B/T	HQ0796-18-F-6100: <b>Task Order Status Report</b> , [month ending]	Provides significant accomplishments, issues, concerns, lessons learned, and risks associated with the <b>Task Order</b> .
10.1	C003	DI-MISC-80508B/T	TO 6100: Open Systems Architecture Management Plan	The Open System Management Plan describes the approach to modular, open design; inter-component dependencies; design information documentation; technology insertion; life cycle-sustainability; interface design and management; treatment of proprietary or vendor-unique components; reuse of pre-existing or common items; and treatment of proprietary elements.
10.3.1.1.1	C009	DI-MISC-80508B/T	HQ0796-18-F-6100: <b>BORRS POA&amp;M</b>	Plan of Action and Milestones provides dates and capabilities to be delivered to the Government in each software iterations. (Software Iterations 26.3, 26.4, 26.5, 26.6, 26.7)

Task	CDRL	DID	Title	Description
10.3.1.1.2	C010	DI-IPSC-81436	HQ0796-18-F-6100: <b>BORRSSDD</b>	<b>SSDD</b> describes the system- or subsystem-wide design and the architectural design of a system or subsystem. (Software Iterations 26.3, 26.4, 26.5, 26.6, 26.7)
10.3.1.1.6	C011	DI-IPSC-81443A/	HQ0796-18-F-6100: <b>BORRS</b> User/Administration Guide	Software User Manual DID. Provides instructions for user interface and input with the system. (Software Iterations 26.3, 26.4, 26.5, 26.6, 26.7)
10.3.1.1.8	C013	DI-AVCS-80700/T	HQ0796-18-F-6100: <b>BORRS</b> Software Iterations	<b>BORRS</b> Software Product End Item. Operational Readiness Reporting provides critical operational readiness metrics to <b>MDA</b> and the combatant commands. (Software Iterations 26.3, 26.4, 26.5, 26.6, 26.7)
10.4.1.1.1	C014	DI-MISC-80508B/T	HQ0796-18-F-6100: <b>RFA/RFI</b> Tool POA&M	Plan of Action and Milestones provides dates and capabilities to be delivered to the Government in each software iteration. (Software Iterations 3.1, 3.2, 3.3, 3.4, 3.5)
10.4.1.1.3	C015	DI-IPSC-81436	HQ0796-18-F-6100: <b>RFA/RFI</b> Tool <b>SSDD</b>	<b>SSDD</b> describes the system- or subsystem-wide design and the architectural design of a system or subsystem. (Software Iterations 3.1, 3.2, 3.3, 3.4, 3.5)
10.4.1.1.6	C016	DI-IPSC-81428A	HQ0796-18-F-6100: <b>RFA/RFI</b> Tool User/Administration Guide	Software User Manual DID. Provides instructions for user interface and input with the system. (Software Iterations 3.1, 3.2, 3.3, 3.4, 3.5)
10.4.1.1.7	C017	DI-AVCS-80700/T	HQ0796-18-F-6100: <b>RFA/RFI</b> Tool Software Product End Item.	<b>RFA/RFI</b> Tool Software Product End Item. The <b>RFA/RFI</b> tool facilitates the <b>RFA/RFI</b> process. (Software Iterations 3.1, 3.2, 3.3, 3.4, 3.5)

## 5.1. CDRL Tailoring

The DD Form 1423 associated with each **CDRL** is attached in Enclosure 1.

## 6.0 Milestones

PWS Paragraph(s)	Activity	Date / Days after Contract (DAC)
	<b>Baseline Review</b>	25 June 2018
	<b>BORRS</b> In-Progress Reviews (IPR)/Demonstration during development	No less than twice during each development cycle
	<b>BORRS</b> Validation Testing	at product delivery
	<b>RFA/RFI</b> In-Progress Reviews (IPR)/Demonstration during development	No less than twice during each development cycle
	<b>RFA/RFI</b> Validation Testing	at product delivery
	Conduct Tag-up meetings	Every Two Weeks

## **7.0 Government Property / Government Furnished Property (GFP) / Government Furnished Information (GFI) / Contractor Acquired Property (CAP)**

- 7.1.** In addition to any GP associated with IRES Contract SOO, paragraph 6.0, the following GP is applicable to this task order: none
- 7.2.** In addition to the GFP identified on IRES Contract Attachment 5, the following GFP is applicable to this task order: none
- 7.3.** CAP shall be managed under the terms and conditions associated with task order 18F8900 – Government Property Management.
- 7.4.** The government will provide the following GFI.
  - Incentive Fee Metrics Report
  - **MDA/ICVA** SCSAR Report
  - PostDeployments Usability Report
  - Prioritized **BREAK-FIX**, **OPS-IMMEDIATE**, or Maintenance requirements list
  - Prioritized Functional Requirements for SDP development
  - Latest software version, SDP, and list of known issues for **BORRS**
  - Latest software version, SDP, and list of known issues for **RFA/RFI**
  - Latest software version, SDP, and list of known issues for **IST**

## **8.0 Special Requirements**

In addition to the Special Requirements identified in **IRES** Contract SOO, paragraph 7.0, the following are applicable to this **Task Order**:

- All software developers are required to maintain a SECRET level security clearance.
- All software developers must have their Security + certification within 30 days of hire.
- **MDA** Information Assurance (**ICVA**) shall approve Software solutions prior to production release.
- Contractor availability must support operational/Warfighter requirements (at least one developer must be on site from the hours of 0700-1600, Monday through Friday, to support **OPS-IMMEDIATE** and **BREAK-FIX** requirements).
- All software developers shall be capable of supporting all Warfighter Operations Support products: **BORRS**, **IST**, and **RFA/RFI**.

This **Task Order** is subject to Open Systems Architecture Requirements as defined in Section C of this contract. The contractor shall provide the Government (and/or Government support contractors) electronic access to its integrated digital (or development) environment (IDE) and the ability to download artifacts throughout the term of the contract.

The Government reserves the right to witness all Contractor efforts to accomplish the PWS requirements and maintains the right to comment on processes. The Contractor shall provide 30 days advance notice of any events, tests, or activity that the Government identifies as a specific item of interest.

In satisfying the Government's requirements, the following system architectural approach characteristics shall be utilized:

- **Open Architecture** – The contractor shall develop and maintain an architecture that incorporates appropriate considerations for reconfigurability, portability, maintainability, technology insertion, vendor independence, reusability, scalability, interoperability, upgradeability, and long-term supportability.
  - Ensure that external information exchange requirements are implemented in a standard and open manner as part of this effort. These actions shall include planning that identifies the contractor's specific approach to ensuring system and interface data is well defined, available to all programs, and uses a standards-based tool for definition within the context of DoD and Service upgrade programs. The contractor shall develop system upgrades, IT system capabilities and business rules that ensure that:
    1. data will be posted to shared spaces for users to access and download except when limited by security, policy, or regulations;
    2. data shall provide for interoperability with many-to-many exchanges of data, and verified trust and integrity of users and applications; and
    3. data shall be transmitted through well and openly defined interfaces.
  - The contractor shall ensure that its projects, at the architectural and operational level, continue to promote the use of an open architecture as well as adoption of other standards and requirements, tailored to meet its specific Service and Joint requirements.
- **Modular, Open Design** – The contractor shall develop an architecture that is layered and modular and uses standards-based COTS/NDI hardware, operating systems, and middleware that all utilize either non-proprietary or non-vendor-unique key module or component interfaces. The contractor's design approach shall be applied to all subsystems and components. As part of its Open System Management Plan, the contractor shall, at a minimum, describe how the proposed system architecture meets these goals, including the steps taken to use non-proprietary or non-vendor unique COTS or reusable NDI components wherever practicable.
  - **Module Coupling** – The contractor's design approach shall result in modules that have minimal dependencies on other modules (loose coupling), as evidenced by simple, well-defined interfaces and by the absence of implicit data sharing.
  - **Module Cohesion** – The contractor's design shall result in modules that are characterized by the singular assignment of identifiable and discrete functionality (high cohesion). The purpose is to ensure that any changes to system behavioral requirements can be accomplished by changing a minimum number of modules within the system. The approach used to determine the level of cohesion and the design trade-off approach shall be described.
- **System Requirements Accountability** – The contractor shall ensure that all system requirements (including those contained in the Initial Capabilities Document, Capabilities Development Document, Capabilities Production Document, and in this Section C) are accounted for through a demonstrated ability to trace each requirement to one or more modules that consist of components that are self-contained elements with well-defined, open and published interfaces implemented using open standards.
- **Inter-component Dependencies** – The contractor's design approach shall result in a layered system design, maximizing software independence from the hardware, thereby facilitating

technology refresh. The design shall be optimized at the lowest component level to minimize inter-component dependencies. The layered design shall also isolate the application software layers from the infrastructure software (such as the operating system) to enhance portability and to facilitate technology refresh. The design shall be able to survive a change to the computing infrastructure with minimal or no changes required to the application logic. The interfaces between the layers shall be built to open standards or the technical data describing the interface shall be available to the Government with at least Government Purpose Rights. The system architecture shall minimize inter-component dependencies to allow components to be decoupled and reused, where appropriate, across various DoD or Service programs.

- **Design Information Documentation** – The contractor shall document and model the system or component (e.g., software, hardware, middleware) design information using industry standard formats (e.g., Unified Modeling Language). It shall also document and model how it will use tools that are capable of exporting model information in a standard format (e.g., Extensible Markup Language Metadata Interchange (XML) and AP233/ISO 10303). The contractor shall identify the proposed standards and formats to be used. The contractor shall maintain the design information, including any models used, so that the design information and models are current with the as-built system.
- **Technology Insertion** – The contractor’s architectural approach shall support the rapid and affordable insertion and refreshment of technology through modular design, the use of open standards and open interfaces. The contractor shall define the functional partitioning and the physical modularity of the system to facilitate future replacement of specific subsystems and components without affecting other parts of the system and to encourage third-party vendor’s participation.
- **Life Cycle Sustainability** – The contractor shall consider use of COTS/NDI and open standards to enhance the system’s life cycle sustainability by implementing performance-based logistics (PBL) arrangements to sustain the components through their life cycle.
- **Interface Design and Management** – The contractor shall:
  - Clearly define and describe all component and system interfaces;
  - Define and document all subsystem and configuration item (CI) level interfaces to provide full functional, logical, and physical specifications;
  - Identify processes for specifying the lowest level (i.e., subsystem or component) at and below which it intends to control and define interfaces by proprietary or vendor-unique standards and the impact of that upon its proposed logistics approach. Interfaces described shall include, but not be limited to, mechanical, electrical (power and signal wiring), software, firmware, and hardware interfaces;
  - Identify the interface and data exchange standards between the component, module or system and the interconnectivity or underlying information exchange medium;
  - Consider using these interfaces to support an overall information assurance strategy that implements Information Assurance (IA) Processes IAW DoD Instruction 8500.2 (dated February 6, 2003) and all applicable MDA Information Assurance policies as defined in the SOO.
  - If applicable, select external interfaces from existing open or Government standards with an emphasis on enterprise-level interoperability. The contractor shall describe how its selection of interfaces will maximize the ability of the system to easily accommodate

technology insertion (both hardware and software) and facilitate the insertion of alternative or reusable modular system elements;

- Describe the extent that the change or configuration management process proposed will use “community of interest” teams in an integrated team approach to effectively identify how individual changes affects the system’s internal or external interfaces and information exchange standards.
- **Treatment of Proprietary or Vendor-Unique Elements** – The contractor shall explain the use of proprietary, vendor-unique or closed components or interfaces. If applicable, the contractor shall define its process for identifying and justifying proprietary, vendor-unique or closed interfaces, code modules, hardware, firmware, or software to be used. When interfaces, hardware, firmware, or modules that are proprietary or vendor-unique are required, the contractor shall demonstrate to the Government that those proprietary elements do not preclude or hinder other component or module developers from interfacing with or otherwise developing, replacing, or upgrading open parts of the system.
- **Use of Standards** – In designing the system(s), the contractor shall use the following standards in descending order of importance:
  - Standards as specified within the contract
  - Commercial standards
  - Standards developed by international or national industry standards bodies that have been widely adopted by industry. Examples of widely adopted standards are:
    - SQL for databases (e.g., SQL for databases ANSI
    - ISO/IEC 9075-1, ISO/IEC 9075-2, ISO/IEC 9075-3,
    - ISO/IEC 9075-4, ISO/IEC 9075-5)
    - HTML for presentation layer
    - XML for data transfer
    - Web services for remote system calls
  - Standards adopted by industry consensus-based standard bodies and widely adopted in the market place.
  - De facto standards (those widely adopted and supported in the market place).

All applicable physical, personnel, and information security requirements apply in accordance DoD Manual 5200.

## 9.0 Applicable Documents

In addition to the directives and regulations identified in the IRES Contract SOO, paragraph 8.0, the following are applicable to this Task Order:

**Table 5 Applicable Documents**

Title	Originator	Date
USSTRATCOM Instruction 538-01, VOL I, <b>BMDs</b> Asset Management and Reporting	USSTRATCOM	08/17/2016
USSTRATCOM Instruction 538-01, VOL II, <b>BMDs</b> Logistics Reporting and Assessment Procedures	USSTRATCOM	08/31/2016
<b>MDA</b> Manual 3000.02-M, <b>BMDs</b> Asset Management	<b>MDA/DDW</b>	12/15/2016
<b>MDA</b> Directive 3110.01, <b>BMDs</b> Operational Readiness Reporting System	<b>MDA/DDW</b>	07/03/2014
<b>MDA</b> Manual 3110.01-M, <b>BMDs</b> Operational Readiness Reporting System	<b>MDA/DDW</b>	02/25/2015
<b>MDA</b> Instruction 5010.22-INS, Request for Analysis/Request for Information	<b>MDA/DDW</b>	05/17/2015
<b>MDA</b> Instruction 3000.08-INS, Incident Reporting	<b>MDA/DDW</b>	07/17/2014
CJCS Instruction 3295.01, Policy Guidance for BMD Operations	CJCS	05/24/2013
Operations Support Center Security SOP	<b>MDA/DDW-C</b>	12/31/2015
<b>BMDs</b> Security Classification Guide	<b>MDA</b>	10/19/2011

## 10.0 Statement of Objectives and Outcomes

### 10.1. Task Order Administration

This portion of this PWS contains structure, objectives and outcomes with respect to the administration of the Task Order. This PWS element represents the work required to administer the Task Order and the Enterprise Support of the Task Order's work and resources. For Task Orders with an annual budget of less than \$20M, work is estimated at this level in the PWS.

Objective	Description
1	<p>The contractor shall provide the resources and information to communicate and manage task order performance.</p> <ul style="list-style-type: none"> <li>CDRL C001: Integrated Program Management Report</li> </ul>

#### 10.1.1. Task Order Management

This PWS element represents the work specifically required to support the management of requirements of the overall Task Order, which includes all reporting, briefings, awards, modifications, SSIs, etc. For Task Orders with an annual budget of less than \$50M, work is estimated at this level in the PWS.

Objective	Description
2	The contractor shall provide task order reporting to accurately monitor status in accordance with CDRL and Milestone requirements.

- CDRL C002: Task Order Status Report

#### **10.1.1.1. Stakeholder Technical Interface Manager (STIM) and System Engineering (SE) and Integration (SEI) Management**

This PWS element represents the work of SEI support to the Task Order, STIM, scheduling, and systems engineering.

Objective	Description
3	The contractor shall perform SE functions to ensure the products and services provided on the TO utilize established SE practices that are standardized across the IRES contract
4	The contractor shall deliver and update an Open System Management Plan. The Open System Management Plan describes the approach to modular, open design; inter-component dependencies; design information documentation; technology insertion; life cycle-sustainability; interface design and management; treatment of proprietary or vendor-unique components; reuse of pre-existing or common items; and treatment of proprietary elements. <ul style="list-style-type: none"><li>• CDRL C003: Open Systems Architecture Management Plan</li></ul>

#### **10.1.1.2. Responsible Organization Management**

This PWS element represents the work of Control Account management by the Line Organizations.

Objective	Description
5	The contractor shall track, manage, and report on TO performance measure, including metrics, lessons learned and accomplishments

#### **10.1.1.3. Administrative Support**

This PWS element represents the work of contracting, financials, mission assurance, and performance management.

Objective	Description
6	The contractor shall track, manage, and report on TO performance measure, including metrics, lessons learned and accomplishments
7	The contractor shall incorporate Mission Assurance activities into all TO tasks

#### **10.1.2. Enterprise Task Order Support**

This PWS element represents the work of enterprise support to the Task Order's work and resources. For Task Orders with an annual budget of less than \$50M, work is estimated at this level in the PWS.

##### **10.1.2.1. Enterprise Management**

This PWS element represents the work of human resources, business/finance, security, property and JEMS.

Objective	Description
8	<p>The contractor shall hire and maintain qualified personnel and manage personnel issues to perform TO activities.</p> <p>The contractor shall submit a Material Inspection and Receiving Report as required by DFARS 252.246-7000 for the delivery of all CAP classified as Equipment, Special Test Equipment, and Special Tooling by using the Invoicing, Receipt, Acceptance, and Property Transfer (iRAPT) application in the Wide Area Workflow (WAWF) e-Business Suite in accordance with the instructions provided in the CLIN 7991.</p> <ul style="list-style-type: none"><li>•</li></ul>

#### 10.1.2.2. Mission and Performance Assurance

This PWS element represents the work of Safety, Health and Environmental concerns; mission assurance; and performance management.

Objective	Description
9	The contractor shall promote and enforce safe and sustainable work practices to prevent personnel injury, damage to property or harm to the environment

#### 10.1.2.3. Functional Management and Administrative Support

This PWS element represents the work of Functional Line Management and Administrative Support.

Objective	Description
10	The contractor shall promote and enforce safe and sustainable work practices to prevent personnel injury, damage to property or harm to the environment

#### 10.1.3. Task Order Award and Modification

This PWS element represents the work of enterprise support to the Task Order's work and resources. For Task Orders with an annual budget of less than \$50M, work is estimated at this level in the PWS.

Objective	Description
11	The contractor shall provide the resources and data to provide timely and accurate proposals to Government requirements for proposal and other contract modification actions.

### 10.2. Integrated Scheduling Tool (IST)

#### 10.2.1. RESERVED

## **10.2.2. IST O&M**

REFERENCE 6100 CONOPS

### **10.2.2.1. Operations and Maintenance**

The contractor shall perform operations and sustainment (O&S) to the IST Tools as defined in IEEE STD 24765-2010. All software developers shall be capable of supporting all Warfighter Operations Support products: BORRS, IST, and RFA/RFI.

- 10.2.2.1.1. Applications utilize DoD and MDA approved software and hardware.
- 10.2.2.1.2. Resolve user access issues and regain application access.
- 10.2.2.1.3. Resolve Application Error Reports.
- 10.2.2.1.4. All applications publish and report accurate data; based on Government direction.
- 10.2.2.1.5. Ensure all applications are compliant with applicable information assurance and cybersecurity regulations.
- 10.2.2.1.6. Ensure application developers provide IST Tool user assistance and coordinate with MDA Service Desk as required.
- 10.2.2.1.7. Receive, review, prioritize, and assign maintenance Change Requests (CRs).
- 10.2.2.1.8. Implement and test CRs. Report test findings to the COTR/ACOTR (DAL).
- 10.2.2.1.9. Conduct regular coordination meetings with the product owner

### **10.2.2.2. BREAK-FIX**

- 10.2.2.2.1. **The contractor shall implement corrective changes to fix identified faults and adaptive changes to respond to the outside environment such as O/S updates, IA patches, and hardware migrations to IST Tool production software.** Accurate production capabilities that function as designed, enabling successful implementation of Warfighter mission requirements for IST.
- 10.2.2.2.2. Maintain application operational availability/functionality with one or fewer government identified deficiencies. (QASP A6)
- 10.2.2.2.3. Receive, review, prioritize, and assign maintenance Change Requests (CRs).
- 10.2.2.2.4. Implement and test CRs. Report testing findings to the COTR/ACOTR (DAL).
- 10.2.2.2.5. Maintain documentation identifying priority users and dot build minor release version, with associated release notes and basic installation instructions.

### **10.2.2.3. OPS-IMMEDIATE Fix**

The contractor shall provide Government identified **OPS-IMMEDIATE** updates to IST Tool production software.

The contractor shall respond to changes in Warfighter requirements by implementing **OPS-IMMEDIATE** fixes to provide mission critical updates required to support Combatant Commands (COCOM) BMD operations for IST production solutions.

- 10.2.2.3.1. Applications accurately reflect Warfighter criteria for Protection Capability (PROCAP), Readiness Conditions (REDCON), Mission Capability (MSNCAP), Regional Posture (REGCAP), and other Warfighter mission status conditions.
- 10.2.2.3.2. Application dashboards are accurate based on Warfighter feedback provided by the COTR/ACOTR.
- 10.2.2.3.3. Update/Change application capabilities based on critical Warfighter requirements as prioritized by the Government.
- 10.2.2.3.4. Production capabilities accurately implement current Warfighter mission requirements for IST and Operational Readiness Reporting.
- 10.2.2.3.5. Report the status of OPS-IMMEDIATE(S) fixes, to include dates when tasked and when completed, in the monthly TOSR. (CDRL C002, Task Order Status Report)
- 10.2.2.3.6. Implement and test OPS-IMMEDIATE(s). Provide results of testing to the COTR/ACOTR (DAL).

### **10.3. BMDS Operational Readiness Reporting System (BORRS)**

#### **10.3.1. Technical Task – BORRS v26.7 (Internal Use Software)**

Using the Government Furnished Software Product, this task updates the current software solution to facilitate the **BMDS** Operational Readiness Reporting process defined in United States (U.S.) Strategic Command (USSTRATCOM) Instruction (SI) 537-01, Volume II and Missile Defense Agency (**MDA**) Directive 3110.01 and Manual 3110.01-M. This solution must enable the Warfighter to monitor the operational **BMDS**, log scheduled and unscheduled **BMDS** asset outages, and provide metrics leading to reduced PROCAP and REDCON impacts.

##### **10.3.1.1. BORRS v26.3 – v26.7 (Production)**

The contractor shall develop and deliver **BORRS** software which will consist of multiple software iterations (26.3, 26.4, 26.5, 26.6, and 26.7). (SSI #5, Schedule; SSI #7, Performance)

###### **10.3.1.1.1. BORRS POA&M**

Develop and deliver BORRS POA&M (CDRL C009, BORRS POA&M), defining the deliverables, schedule and milestones for the release. (SSI #6, Schedule; SSI #8, Performance)

###### **10.3.1.1.2. Maintain Government Access to a Software Development Issue and Product Tracking**

Develop and maintain the Product Backlog and provide access to the COTR/ACOTR and other designated representatives. The Product Backlog is the ordered list of all the work.

###### **10.3.1.1.3. BORRS System/Software Description Document (SSDD)**

Develop and deliver BORRS System/Software Description Document (SSDD) (CDRL C010, BORRS SSDD) (SSI #6, Schedule; SSI #8, Performance)

###### **10.3.1.1.4. Develop BORRS**

- Conduct an In-Progress Review (IPR), to include a demonstration as defined in the POA&M, every Sprint (QASP A1)
- Implement continual improvement and adopt “best practices” as defined by the SEI and other DoD standards (Table 6 Applicable Documents).

- Adoption and documentation of software quality standards consistent with ISO 9001 and IEEE best practices. Identify and describe specific examples in TOSR (CDRL C002, Task Order Status Report).
- Conduct iteration planning meetings with the product owner.
- Complete architectural design activities.
- Ensure commonality and interoperability with other system components.
- Plan and implement an internal configuration management system for control of Government directed changes.
- Construct the code base with extensive automated testing capabilities in mind to assist in increasing system stability and reliability.
- Write the code base in a maintainable fashion and constructed in a way to allow future growth and modification of the feature set.

#### 10.3.1.1.5. **Test and verify BORRS**

- Provide the COTR/ACOTR, software stakeholder (DDWO), and designated support contractor personnel access to developmental code to facilitate Government beta testing IAW established Milestones (at the time of product delivery). (QASP A2)
- Provide proof of testing and capability verification results to the COTR/ACOTR IAW established Milestones (at the time of product delivery). (QASP A3 & A4) (DAL)
- Conduct regression testing to ensure software threads are functional and to ensure complete module functionality. (QASP #5) (DAL)

#### 10.3.1.1.6. **BORRS User/Administration Guide**

Develop and deliver BORRS User/Administration Guide (CDRL C011, BORRS User/Administration Guide) (SSI #6, Schedule; SSI #8, Performance)

#### 10.3.1.1.7. **Reserved**

#### 10.3.1.1.8. **BORRS Software Delivery**

Deliver BORRS software out of Zone B development to MDA/ICVA with a successful demonstration. (CDRL C013, BORRS Software Product End Item) (SSI #5, Schedule; SSI #7, Performance) (QASP A8)

### 10.3.2. **BORRS O&M**

CONOPS REFERENCE PROPOSAL ADD O&M is O&M make changes to this section same as IST

#### 10.3.2.1. **Operations and Maintenance**

The contractor shall perform operations and sustainment (O&S) to the **BORRS** Tools as defined in IEEE STD 24765-2017.

- 10.3.2.1.1. Applications utilize DoD and MDA approved software and hardware.
- 10.3.2.1.2. Resolve user access issues and regain application access.
- 10.3.2.1.3. Resolve Application Error Reports.
- 10.3.2.1.4. All applications publish and report accurate data; based on Government direction.

- 10.3.2.1.5. Ensure all applications are compliant with applicable information assurance and cybersecurity regulations.
- 10.3.2.1.6. Ensure application developers provide BORRS Tool user assistance and coordinate with MDA Service Desk as required.
- 10.3.2.1.7. Receive, review, prioritize, and assign maintenance Change Requests (CRs).
- 10.3.2.1.8. Implement and test CRs. Report test findings to the COTR/ACOTR (DAL).
- 10.3.2.1.9. Perform system administrative functions with respect to user accounts.

#### **10.3.2.2. BREAK-FIX**

Same as 10.2

The contractor shall implement corrective changes to fix identified faults and adaptive changes to respond to the outside environment such as O/S updates, IA patches, and hardware migrations to **BORRS** Tool production software.

- 10.3.2.2.1. Accurate production capabilities that function as designed, enabling successful implementation of Warfighter mission requirements for BORRS.
- 10.3.2.2.2. Maintain application operational availability/functionality with one or fewer government identified deficiencies. (QASP A6)
- 10.3.2.2.3. Receive, review, prioritize, and assign maintenance Change Requests (CRs).
- 10.3.2.2.4. Implement and test CRs. Report testing findings to the COTR/ACOTR (DAL).
- 10.3.2.2.5. Maintain documentation identifying priority users and dot build minor release version, with associated release notes and basic installation instructions.

#### **10.3.2.3. OPS-IMMEDIATE Fix**

The contractor shall provide Government identified **OPS-IMMEDIATE** updates to **BORRS** Tool production software.

The contractor shall respond to changes in Warfighter requirements by implementing **OPS-IMMEDIATE** fixes to provide mission critical updates required to support Combatant Commands (COCOM) BMD operations for **BORRS** production solutions.

- 10.3.2.3.1. Applications accurately reflect Warfighter criteria for Protection Capability (PROCAP), Readiness Conditions (REDCON), Mission Capability (MSNCAP), Regional Posture (REGCAP), and other Warfighter mission status conditions.
- 10.3.2.3.2. Application dashboards are accurate based on Warfighter feedback provided by the COTR/ACOTR.
- 10.3.2.3.3. Update/Change application capabilities based on critical Warfighter requirements as prioritized by the Government.
- 10.3.2.3.4. Production capabilities accurately implement current Warfighter mission requirements for IST, Operational Readiness Reporting, and BORRS.
- 10.3.2.3.5. Report the status of OPS-IMMEDIATE(S) fixes, to include dates when tasked and when completed, in the monthly TOSR. (CDRL C002, Task Order Status Report)
- 10.3.2.3.6. **Implement and test OPS-IMMEDIATE(s). Provide results of testing to the COTR/ACOTR (DAL).**

#### **10.4. Request for Analysis/Request for Information/Request for Alliance Participation in Test (RFA/RFI/RFT)**

##### **10.4.1. Technical Task – RFA/RFI/RFT v3.5 (Internal Use Software)**

Using the Government Furnished Software Product, this task updates the current software solution to facilitate the Warfighter RFA/RFI process defined in MDA Instruction 5010.22-INS. This solution enables the Warfighter to submit queries for information about MDA capabilities, limitations, and assets or for engineering analysis to support the BMDS.

##### **10.4.1.1. RFA/RFI v3.1 – v3.5 (Production)**

The contractor shall develop and deliver RFA/RFI Tool software version, which will consist of multiple software iterations (3.1, 3.2, 3.3, 3.4, and 3.5). (SSI #5, Schedule; SSI #7, Performance)

##### **10.4.1.1.1. RFA/RFI Tool POA&M**

Develop and deliver RFA/RFI Tool POA&M (CDRL C014, RFA/RFI POA&M), defining the deliverables, schedule and milestones for the release. (SSI #6, Schedule; SSI #8, Performance)

##### **10.4.1.1.2. Maintain Government Access to a Software Development Issue and Product Tracking** **10.3.1.1.2 same changes apply here**

Develop and maintain the Product Backlog within Microsoft Team Foundation Server (TFS), located on the CLAN development server (Zone B) and provide access to the COTR/ACOTR and other designated representatives. The Product Backlog is the ordered list of all the work, presented in story form, for the team.

##### **10.4.1.1.3. RFA/RFI Tool System/Software Description Document (SSDD)**

Develop and deliver RFA/RFI Tool System/Software Description Document (SSDD) (CDRL C015, RFA/RFI SSDD) (SSI #5, Schedule; SSI #7, Performance)

##### **10.4.1.1.4. Develop RFA/RFI Tool**

- Conduct an In-Progress Review (IPR), to include a demonstration as defined in the POA&M, every Sprint (QASP A1)
- Implement continual improvement and adopt “best practices” as defined by the SEI and other DoD standards.
- Adoption and documentation of software quality standards consistent with ISO 9001 and IEEE best practices. Identify and describe specific examples in TOSR (CDRL C002, Task Order Status Report).
- Conduct iteration planning meetings with the product owner.
- Complete architectural design activities.
- Ensure commonality and interoperability with other system components.
- Plan and implement an internal configuration management system for control of Government directed changes.
- Construct the code base with extensive automated testing capabilities in mind to assist in increasing system stability and reliability.

- Write the code base in a maintainable fashion and constructed in a way to allow future growth and modification of the feature set.

#### 10.4.1.1.5. **Test and Verify RFA/RFI Tool**

- Provide the COTR/ACOTR, software stakeholder (DDWP), and designated support contractor personnel access to developmental code to facilitate Government beta testing IAW the established Milestones (at product delivery). (QASP A2)
- Provide COTR/ACOTR and software stakeholder (DDWP) proof of testing and capability verification results IAW the established Milestones (at the time of product delivery). (QASP A3 & A4) (DAL)
- Conduct regression testing to ensure software threads are functional and to ensure complete module functionality. (QASP A5) (DAL)

#### 10.4.1.1.6. **RFA/RFI Tool User/Administration Guide**

Develop and deliver RFA/RFI Tool User/Administration Guide (CDRL C016, RFA/RFI Tool User) (SSI #6, Schedule; SSI #8, Performance)

#### 10.4.1.1.7. **RFA/RFI Tool Software Delivery**

Deliver RFA/RFI Tool software out of Zone B Development to MDA/ICVA with a successful demonstration. (CDRL C017, RFA/RFI Tool Software Product End Item). (SSI #5, Schedule; SSI #7, Performance) (QASP A8)

### 10.4.2. **RFA/RFI O&M**

add conops, maintenance O&M same changes

#### 10.4.2.1. **Operations and Maintenance**

The contractor shall perform operations and sustainment (O&S) to the **RFA/RFI** Tools as defined in **IEEE** STD 24765-2010. All software developers shall be capable of supporting all Warfighter Operations Support products: BORRS, IST, and RFA/RFI.

- 10.4.2.1.1. Applications utilize DoD and MDA approved software and hardware.
- 10.4.2.1.2. Resolve user access issues and regain application access.
- 10.4.2.1.3. Resolve Application Error Reports.
- 10.4.2.1.4. All applications publish and report accurate data; based on Government direction.
- 10.4.2.1.5. Ensure all applications are compliant with applicable information assurance and cybersecurity regulations.
- 10.4.2.1.6. Ensure MDA Service Desk and application developers provide RFA/RFI Tool user assistance.
- 10.4.2.1.7. Receive, review, prioritize, and assign maintenance Change Requests (CRs).
- 10.4.2.1.8. Implement and test CRs. Report test findings to the COTR/ACOTR (DAL).
- 10.4.2.1.9. Perform system administrative functions with respect to user accounts

#### 10.4.2.2. **BREAK-FIX**

The contractor shall implement corrective changes to fix identified faults and adaptive changes to respond to the outside environment such as O/S updates, IA patches, and hardware migrations to **RFA/RFI** Tool production software.

- 10.4.2.2.1. Accurate production capabilities that function as designed, enabling successful implementation of Warfighter mission requirements for RFA/RFI.
- 10.4.2.2.2. Maintain application operational availability/functionality with one or fewer government identified deficiencies. (QASP A6)
- 10.4.2.2.3. Receive, review, prioritize, and assign maintenance Change Requests (CRs).
- 10.4.2.2.4. Implement and test CRs. Report testing findings to the COTR/ACOTR (DAL).
- 10.4.2.2.5. Maintain documentation identifying priority users and dot build minor release version, with associated release notes and basic installation instructions.

#### **10.4.2.3. OPS-IMMEDIATE Fix**

The contractor shall provide Government identified **OPS-IMMEDIATE** updates to **RFA/RFI** Tool production software.

The contractor shall respond to changes in Warfighter requirements by implementing **OPS-IMMEDIATE** fixes to provide mission critical updates required to support Combatant Commands (COCOM) BMD operations for **RFA/RFI** production solutions.

- 10.4.2.3.1. Application dashboards are accurate based on Warfighter feedback provided by the COTR/ACOTR.
- 10.4.2.3.2. Update/Change application capabilities based on critical Warfighter requirements as prioritized by the Government.
- 10.4.2.3.3. Production capabilities accurately implement current Warfighter mission requirements for IST, Operational Readiness Reporting, and RFA/RFI.
- 10.4.2.3.4. Report the status of OPS-IMMEDIATE(S) fixes, to include dates when tasked and when completed, in the monthly TOSR. (CDRL C002, Task Order Status Report)
- 10.4.2.3.5. Implement and test OPS-IMMEDIATE(s). Provide results of testing to the COTR/ACOTR (DAL).

### **10.5. Mission Operations and Capability Sustainment**

#### **10.5.1. Maintain and Refresh Development/Test Software and Equipment**

The contractor shall provide services necessary for the sustainment of development and test systems and capabilities. Sustainment activities include proactive/corrective maintenance, hardware and software refresh, and break/fix service restoration.

- 10.5.1.1. Maintain and refresh hardware, software and current capabilities in accordance with industry best maintenance practices ensuring an appropriate mix between proactive and corrective maintenance, repair, and replacement to maintain availability of development and test environments.
- 10.5.1.2. Manage and maintain currency on all licensing for all software and hardware.

<b>ORDER FOR SUPPLIES OR SERVICES</b>										PAGE 1 OF 21			
1. CONTRACT/PURCH. ORDER/ AGREEMENT NO. HQ079617D0001			2. DELIVERY ORDER/ CALL NO. HQ079618F7300P00010		3. DATE OF ORDER/CALL (YYYYMMDD) 2018 Feb 27		4. REQ. / PURCH. REQUEST NO. See Schedule			5. PRIORITY DX-C9			
6. ISSUED BY MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300				CODE HQ0796		7. ADMINISTERED BY (if other than 6) DCMA HUNTSVILLE 1040 RESEARCH BLVD SUITE 100 MADISON AL 35758-2040				CODE S0107A  SCO: A			
9. CONTRACTOR JACOBS TECHNOLOGY INC. 550 WILLIAM NORTHERN BLVD. TULLAHOMA TN 37398-4727 NAME AND ADDRESS				FACILITY		10. DELIVER TO FOB POINT BY (Date) (YYYYMMDD) <b>SEE SCHEDULE</b>			11. MARK IF BUSINESS IS <input type="checkbox"/> SMALL <input type="checkbox"/> SMALL DISADVANTAGED <input type="checkbox"/> WOMEN-OWNED				
						12. DISCOUNT TERMS							
						13. MAIL INVOICES TO THE ADDRESS IN BLOCK See Item 15							
14. SHIP TO MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300				CODE HQ0796		15. PAYMENT WILL BE MADE BY DFAS COLUMBUS CENTER SOUTH ENTITLEMENT OPERATIONS P.O. BOX 182264 COLUMBUS OH 43218-2264			MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2.				
16. TYPE OF ORDER		DELIVERY / CALL		<input checked="" type="checkbox"/>		This delivery order/call is issued on another Government agency or in accordance with and subject to terms and conditions of above numbered contract.							
		PURCHASE				Reference Your Quote dated Furnish the following on terms specified herein. REF:							
ACCEPTANCE. THE CONTRACTOR HEREBY ACCEPTS THE OFFER REPRESENTED BY THE NUMBERED PURCHASE ORDER AS IT MAY PREVIOUSLY HAVE BEEN OR IS NOW MODIFIED, SUBJECT TO ALL OF THE TERMS AND CONDITIONS SET FORTH, AND AGREES TO PERFORM THE SAME.													
NAME OF CONTRACTOR				SIGNATURE				TYPED NAME AND TITLE				DATE SIGNED (YYYYMMDD)	
<input checked="" type="checkbox"/> If this box is marked, supplier must sign Acceptance and return the following number of copies: 1													
17. ACCOUNTING AND APPROPRIATION DATA/ LOCAL USE  See Schedule													
18. ITEM NO.		19. SCHEDULE OF SUPPLIES/ SERVICES				20. QUANTITY ORDERED/ ACCEPTED*		21. UNIT		22. UNIT PRICE		23. AMOUNT	
		<b>SEE SCHEDULE</b>											
* If quantity accepted by the Government is same as quantity ordered, indicate by X. If different, enter actual quantity accepted below quantity ordered and encircle.						24. UNITED STATES OF AMERICA TELETYPE UNIT (b)(6) E-MAIL (b)(6)@da.mil BY: (b)(6)		(b)(6)		25. TOTAL \$5,076,466.00 EST		26. DIFFERENCES	
27a. QUANTITY IN COLUMN 20 HAS BEEN <input type="checkbox"/> INSPECTED <input type="checkbox"/> RECEIVED <input type="checkbox"/> ACCEPTED, AND CONFORMS TO THE CONTRACT EXCEPT AS NOTED													
b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE						c. DATE (YYYYMMDD)		d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE					
e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE						28. SHIP NO.		29. DO VOUCHER NO.		30. INITIALS			
f. TELEPHONE NUMBER				g. E-MAIL ADDRESS				<input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL		32. PAID BY		33. AMOUNT VERIFIED CORRECT FOR	
36. I certify this account is correct and proper for payment.													
a. DATE (YYYYMMDD)		b. SIGNATURE AND TITLE OF CERTIFYING OFFICER				31. PAYMENT <input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL				34. CHECK NUMBER		35. BILL OF LADING NO.	
37. RECEIVED AT		38. RECEIVED BY		39. DATE RECEIVED (YYYYMMDD)		40. TOTAL CONTAINERS		41. S/R ACCOUNT NO.		42. S/R VOUCHER NO.			

Section B - Supplies or Services and Prices

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1000	<p>Services/Capabilities</p> <p>CPIF</p> <p>The contractor shall provide all services/capabilities identified in the performance work statement (PWS) attached to this task order. All task order costs, other than those specifically included in another contract line item number (CLIN), are included in this CLIN. All share ratios are identified as follows:</p> <p>(b)(4) Government Contractor. The share ratios are subject to revision in accordance with the IRES Performance Evaluation and Incentive Plan (Contract Attachment J-06).</p> <p>PPWP: PWS 10.4.1 - executed 37 instances, only 3 remain; PWS 10.6.2 executed 5 instances, 0 remain. Both were executed on P00002.</p> <p>FOB: Destination</p> <p>PURCHASE REQUEST NUMBER: HQ0147862987</p>	(b)(4)			(b)(4)
				TARGET COST	(b)(4)
				TARGET FEE	
				TOTAL TGT COST + FEE	
				MINIMUM FEE	
				MAXIMUM FEE	
				SHARE RATIO ABOVE TARGET	
				SHARE RATIO BELOW TARGET	

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100001	<p>Incremental Funding</p> <p>ACRNAA</p> <p>PURCHASE REQUEST NUMBER: HQ0147862987</p>	(b)(4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100002	Incremental Funding  ACRN AB  PURCHASE REQUEST NUMBER: HQ0147862997	(b)(4)
100003	Incremental Funding  ACRN AB  PURCHASE REQUEST NUMBER: HQ0147863097-0001	(b)(4)
100004	Incremental Funding  ACRN AC  PURCHASE REQUEST NUMBER: HQ0147862997-0002	(b)(4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100005	Incremental Funding	
	ACRN AD	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147862997-0002	
100006	Incremental Funding	
	ACRN AB	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865257	
100007	Incremental Funding	
	ACRN AF	(b)(4)
	PURCHASE REQUEST NUMBER: DO9TMH80204	
100008	Inc Funding	
	ACRN AD	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865763	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100009	Incremental Funding	
	ACRN AK	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147967844	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100010	PPWP 10.5.2	
	ACRN AM	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147967632	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1040		(b)(4)			(b)(4)

Expensed CAP: IT HW/Equip  
CPIF

Contractor purchase of expensed contractor-acquired property (CAP), specifically information technology (IT) hardware (HW)/ equipment (equip), necessary to provide the services/capabilities identified in the PWS attached to this task order. CAP is defined in FAR 52.245-1. IT hardware/equipment is a subset of equipment as defined in DoDI 5000.64.

Expensed CAP line items were created as an accounting mechanism designed to provide MDA better visibility and linkage of budget, obligation, expenditure, and government property data. Given the need for this level of visibility and linkage, as well as the need to include these costs as an integral component of the incentives, all task order CLINs are combined and considered a single entity for the purpose of administering the cost and performance incentives identified in the IRES PEIP (Contract Attachment J-06).

(b)(4) All share ratios are identified as follows: (b)(4) Government (b)(4) Contractor. The share ratios are subject to revision in accordance with the IRES PEIP.  
PPWP: PWS 10.4.1 executed 37 instances on P00002, 3 remaining.

NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.  
FOB: Destination

TARGET COST  
TARGET FEE  
TOTAL TGT COST + FEE  
MINIMUM FEE  
MAXIMUM FEE  
SHARE RATIO ABOVE TARGET  
SHARE RATIO BELOW TARGET

(b)(4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104001	Incremental Funding	
	ACRN AE	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865257	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104002	Incremental Funding	
	ACRN AE	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865257	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104003	Incremental Funding	
	ACRN AE	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865257	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104004	Incremental Funding	
	ACRN AF	(b)(4)
	PURCHASE REQUEST NUMBER: DO9TMH80204	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104005	Incremental Funding  ACRN AG  PURCHASE REQUEST NUMBER: HQ0147862987-0002	(b)(4)
104006	Incremental Funding  ACRN AH  PURCHASE REQUEST NUMBER: HQ0147862997-0003	(b)(4)
104007	Incremental Funding  ACRN AE  PURCHASE REQUEST NUMBER: HQ0147862997-0003	(b)(4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104008	Incremental Funding  ACRN AH  PURCHASE REQUEST NUMBER: HQ0147866021	(b)(4)
104009	Inc Funding  ACRN AH  PURCHASE REQUEST NUMBER: HQ0147862987-0003	(b)(4)
104010	Inc Funding  ACRN AJ  PURCHASE REQUEST NUMBER: HQ0147862987-0003	(b)(4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104011	Inc Funding	
	ACRN AE	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865763-0001	
104012	Inc Funding	
	ACRN AE	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863097-0002	
104013	Inc Funding	
	ACRN AE	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865257-0002	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104014	Incremental Funding	
	ACRN AL	(b)(4)
PURCHASE REQUEST NUMBER: HQ0147967844		

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1060	Expensed CAP: COTS IUS CPIF	1	Each		(b)(4)
Contractor purchase of expensed contractor-acquired property (CAP)—specifically commercial-off-the-shelf (COTS) internal use software (IUS)—necessary to provide the services/capabilities identified in the PWS attached to this task order. CAP is defined in FAR 52.245-1. COTS IUS is a subset of IUS as defined in DoDI 5000.76.					

Expensed CAP line items were created as an accounting mechanism designed to provide MDA better visibility and linkage of budget, obligation, expenditure, and government property data. Given the need for this level of visibility and linkage, as well as the need to include these costs as an integral component of the incentives, all task order CLINs are combined and considered a single entity for the purpose of administering the cost and performance incentives identified in the IRES PEIP (Contract Attachment J-06).

(b)(4) All share ratios are identified as follows: (b)(4) Government (b)(4) Contractor. The share ratios are subject to revision in accordance with the IRES PEIP.

NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.

FOB: Destination

PURCHASE REQUEST NUMBER: HQ0147863097

TARGET COST  
TARGET FEE  
TOTAL TGT COST + FEE  
MINIMUM FEE  
MAXIMUM FEE  
SHARE RATIO ABOVE TARGET  
SHARE RATIO BELOW TARGET

(b)(4)

FSC CD: 7025

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106001	Incremental Funding	
	ACRN AB	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863097	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106002	Incremental Funding	
	ACRN AH	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147866021	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
7990		1	Lot		NSP

Data  
FFP  
The contractor shall deliver all data identified in the contract data requirements lists (CDRL) attached to this task order.

Reference Section G of the basic contract. At the end of the task order period of performance, the contractor shall submit one Invoicing, Receipt, Acceptance, and Property Transfer (iRAPT) receiving report for all data previously delivered.  
FOB: Destination

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NET AMT

FSCCD: AC23

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
7991		1	Lot		NSP

Expensed CAP Delivery  
FFP  
Delivery of expensed CAP as required by the IRES Government Property Management Task Order.

NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.

FOB: Destination

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NET AMT

FSC CD: AC23

## Section E - Inspection and Acceptance

## INSPECTION AND ACCEPTANCE TERMS

Supplies/services will be inspected/accepted at:

CLIN	INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
1000	Origin	Government	Origin	Government
100001	N/A	N/A	N/A	N/A
100002	N/A	N/A	N/A	N/A
100003	N/A	N/A	N/A	N/A
100004	N/A	N/A	N/A	N/A
100005	N/A	N/A	N/A	N/A
100006	N/A	N/A	N/A	N/A
100007	N/A	N/A	N/A	N/A
100008	N/A	N/A	N/A	N/A
100009	N/A	N/A	N/A	N/A
100010	N/A	N/A	N/A	N/A
1040	Destination	Government	Destination	Government
104001	N/A	N/A	N/A	N/A
104002	N/A	N/A	N/A	N/A
104003	N/A	N/A	N/A	N/A
104004	N/A	N/A	N/A	N/A
104005	N/A	N/A	N/A	N/A
104006	N/A	N/A	N/A	N/A
104007	N/A	N/A	N/A	N/A
104008	N/A	N/A	N/A	N/A
104009	N/A	N/A	N/A	N/A
104010	N/A	N/A	N/A	N/A
104011	N/A	N/A	N/A	N/A
104012	N/A	N/A	N/A	N/A
104013	N/A	N/A	N/A	N/A
104014	N/A	N/A	N/A	N/A
1060	Origin	Government	Origin	Government
106001	N/A	N/A	N/A	N/A
106002	N/A	N/A	N/A	N/A
7990	Origin	Government	Origin	Government
7991	Destination	Government	Destination	Government

## Section F - Deliveries or Performance

## DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	DODAAC / CAGE
1000	POP 05-MAR-2018 TO 28-JUN-2019	N/A	MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 8091 2-7300 FOB: Destination	HQ0796
100001	N/A	N/A	N/A	N/A
100002	N/A	N/A	N/A	N/A
100003	N/A	N/A	N/A	N/A
100004	N/A	N/A	N/A	N/A
100005	N/A	N/A	N/A	N/A
100006	N/A	N/A	N/A	N/A
100007	N/A	N/A	N/A	N/A
100008	N/A	N/A	N/A	N/A
100009	N/A	N/A	N/A	N/A
100010	N/A	N/A	N/A	N/A
1040	04-MAR-2019	1	MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 8091 2-7300 FOB: Destination	HQ0796
104001	N/A	N/A	N/A	N/A
104002	N/A	N/A	N/A	N/A
104003	N/A	N/A	N/A	N/A

104004	N/A	N/A	N/A	N/A
104005	N/A	N/A	N/A	N/A
104006	N/A	N/A	N/A	N/A
104007	N/A	N/A	N/A	N/A
104008	N/A	N/A	N/A	N/A
104009	N/A	N/A	N/A	N/A
104010	N/A	N/A	N/A	N/A
104011	N/A	N/A	N/A	N/A
104012	N/A	N/A	N/A	N/A
104013	N/A	N/A	N/A	N/A
104014	N/A	N/A	N/A	N/A
1060	04-MAR-2019	1	MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 FOB: Destination	HQ0796
106001	N/A	N/A	N/A	N/A
106002	N/A	N/A	N/A	N/A
7990	04-MAR-2019	1	MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 FOB: Destination	HQ0796
7991	04-MAR-2019	1	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796

## Section G - Contract Administration Data

BILLING INSTRUCTIONS

Payments for CLIN 1000, 1040 and 1060 will be made in accordance with FAR 52.216-7, Allowable Cost and Payment. Payments and the fee payable under the task order are subject to adjustments in accordance with FAR 52.216.10, Incentive Fee and performance assessments conducted in accordance with the IRES Performance Evaluation and Incentive Plan (Attachment J-06). The contractor's vouchers against CLINs 1000, 1040 and 1060 (all CPIF) shall be consistent with 252.204-0002 Line Item Specific: Sequential ACRN Order (SEP 2009).

In accordance with FAR 52.216-10 (1), the Contractor is authorized to bill fee by contract line item number (CLIN) not to exceed the following: (b)(4) x (cost billed against the CLIN to date, including this voucher). Overbilling of fee as a result of this change in the billing instructions shall not be refunded to the Government, unless the overbilling cannot be corrected any other way. Instead, fee shall not be billed until the contractor is no longer in an overbilling status. The contractor shall show the fee calculation by line item on each voucher.

WAWF email notifications. In accordance with 252.232-7006, the Contractor shall enter the following email addresses in the "Send Additional Email Notifications" field of WAWF once a document is submitted in the system:  
CLINs 7900, 7991: (b)(6)

(b)(6)

## ACCOUNTING AND APPROPRIATION DATA

AA: 044411 097 0400.000 N 20182019 D 2520 Z4\_ST23P\_FY18 ES-00-FY1819 71DE 255

AMOUNT: (b)(4)

AB: 044411 097 0400.000 N 20182019 D 2520 Z4\_SD31P\_FY18 ES-00-FY1819 71DE 255

AMOUNT: (b)(4)

AC: 044411 097 0400.000 N 20182019 D 2520 XC\_SD09P\_FY18 ES-00-FY1819 71DE 255

AMOUNT: (b)(4)

AD: 044411 097 0400.000 N 20182019 D 2520 Z4\_SC31P\_FY18 ES-00-FY1819 71DE 255

AMOUNT: (b)(4)

AE: 044411 097 0400.000 N 20182019 D 2520 Z4\_SD31P\_FY18 ES-00-FY1819 71DE 310

AMOUNT: (b)(4)

AF: 97804 2520 18 2520 40603891C00 255Y S12109 MD8D2 7PA0C0204 820004

AMOUNT: (b)(4)

AG: 044411 097 0400.000 N 20182019 D 2520 SC\_ST09P\_FY18 ES-00-FY1819 71DE 310

AMOUNT: (b)(4)

AH: 044411 097 0400.000 N 20182019 D 2520 XC\_SD09P\_FY18 ES-00-FY1819 71DE 310

AMOUNT: (b)(4)

AJ: 044411 097 0400.000 N 20182019 D 2520 Z4\_ST23P\_FY18 ES-00-FY1819 71DE 310

AMOUNT: (b)(4)

AK: 044411-007-0400-000 N 20192020 D 2500 Z4\_SD31P\_FY19 ES-03-FY1920 7IDE 255

AMOUNT: (b)(4)

AL: 044411-007-0400-000 N 20192020 D 2500 Z4\_SD31P\_FY19 ES-03-FY1920 7IDE 310

AMOUNT: (b)(4)

AM: 044411-007-0400-000 N 20192020 D 2500 Z4\_ST23P\_FY19 ES-FTG11-FY1920 7IDE 255

AMOUNT: (b)(4)

ACRN	CLIN/SLIN	CIN	AMOUNT
AA	I00001	HQ01478629870001	(b)(4)
AB	I00002	HQ01478629970001	
	I00003	HQ01478630970002	
	I00006	HQ01478652570001	
	I06001	HQ01478630970001	
AC	I00004	HQ01478629970002	
AD	I00005	HQ01478629970003	
	I00008	HQ01478657630001	
AE	I04001	HQ01478652570002	
	I04002	HQ01478652570003	
	I04003	HQ01478652570004	
	I04007	HQ01478629970005	
	I04011	HQ01478657630002	
	I04012	HQ01478630970003	
	I04013	HQ01478652570005	
AF	I00007	DO9TMH802040001	
	I04004	DO9TMH802040002	
AG	I04005	HQ01478629870002	
AH	I04006	HQ01478629970004	
	I04008	HQ01478660210001	
	I04009	HQ01478629870003	
	I06002	HQ01478660210002	
AJ	I04010	HQ01478629870004	
AK	I00009	HQ01479678440001	
AL	I04014	HQ01479678440002	
AM	I00010	HQ01479676320001	

#### CLAUSES INCORPORATED BY FULL TEXT

252.2040003 LINE ITEM SPECIFIC: CONTRACTING OFFICER SPECIFIED ACRN ORDER. (SEP 2009)

The payment office shall make payment within the line item in the sequence ACRN order specified below, exhausting all funds in the previous ACRN before paying from the next ACRN.

Line Item	ACRN Order
CLIN 1000	AA, AB, AC, AD, AF
CLIN 1040	AE, AF, AD, AH, AJ
CLIN 1060	AB

(End of clause)

Section II - Special Contract Requirements

CLAUSES INCORPORATED BY FULL TEXT

Due to a problem with a software upgrade to the contract writing system, this modification contains a summary of changes error regarding target price. Therefore, for the purposes of this modification, the conformed contract will govern.

## Section I - Contract Clauses

## CLAUSES INCORPORATED BY REFERENCE

52.232-22	Limitation Of Funds	APR 1984
252.211-7003	Item Unique Identification and Valuation	MAR 2016

LIMITATION OF FUNDS

In accordance with paragraph (b) of FAR 52.232-22, Limitation of Funds, the amount presently available and allotted for payment, the contract line item numbers (CLINs) items covered, and the period of performance (PoP) it is estimated the allotted amount will cover, are as follows:

CLIN	Cost	Target Fee/Profit	Total	Est. Funding PoP*
1000	(b)(4)			4 Mar 2019
1040				4 Mar 2019
1060				4 Mar 2019
Total				

\*Information timely submitted by the contractor as part of Limitation of Funds notifications, as required by FAR 52.232-22, shall supersede this Est. Funding PoP

PRICED PERSPECTIVE WORK PACKAG

Priced Prospective Work Packages (PPWPs) represent potential requirements included in this TRD that are priced and negotiated but not yet awarded. The PPWP may be awarded/executed in accordance with clause H-03, Task Orders at a later date with a bilateral modification to the task order if/when the requirement is ultimately needed and funded. The PPWPs negotiated to date are included in Attachment 2 to the Task Order. The below referenced PPWPs have been executed:

- 10.6.1 Rapid Response Engineering Projects (20x) – Small [executed 20x – P00004]
- 10.6.2 Rapid Response Engineering Projects (5x) – Medium [executed 5x – P00003]
- 10.6.3 Rapid Response Engineering Projects (50x) [executed 50x – P00004]
- 10.4.1 MWS Operational Enhancements and Upgrades (40x) [executed 37x – P00003 and 3x – P00004]
- 10.5.2 Event Planning (3x) – [executed 1x – P00008]

Section J - List of Documents, Exhibits and Other Attachments

Exhibit/Attachment Table of Contents

DOCUMENT TYPE	DESCRIPTION	PAGES	DATE
Attachment 1	PWS No Cost PoP Ext CLIN 1000	31	27-FEB-2019

**Missile Defense Agency**  
**Integrated Research & Development for Enterprise Solutions (IRES)**

**PERFORMANCE WORK STATEMENT**

**Dated: 27 Feb 2019**

**Contract Number:**

**HQ079617D0001**

**Task Order Title:**

**Modeling and Simulation Web Services (MWS) and System Post Flight  
Reconstruction (SPFR)**

**Task Order Number:**

**HQ079618F7300**

**Period of Performance:**

**5 March 2018 – 4 March 2019**

**CLIN 1000 (PWS Paras 10.1.1.1; 10.1.1.2; 10.1.1.3; 10.4.1, 10.5.2):**

**5 March 2018 – 28 June 2019**

**Task Order Type: Cost Plus Incentive Fee**

## Performance Work Statement Revision History

Rev	Mod	Date	Revision / Change Description
0	00	27 Feb 2018	Task Order Award PWS
A	02	15 Jun 2018	Execute 37 instances of PPWP 10.4.1.5 and 5 instances of PPWP 10.6.2
B	06	20 Sept 2018	Rev B, execute PPWP on 10.4.1.6 (10x)
0	08	20 Nov 2018	Execute PPWP 10.5.2 (1x)
0	10	27 Feb 2019	Extend CLIN 1000 PoP to 28 Jun 2019 on the following PWS paras: 10.1.1.1; 10.1.1.2; 10.1.1.3; 10.4.1; and 10.5.2.

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## **1.0 Purpose**

Operate, sustain, and manage the Modeling and Simulation (M&S) Web Services (MWS) enclave and the M&S Center. Plan, design, integrate, and execute MDA M&S events such as Hardware-in-the-Loop (HWIL) System-level Post-Flight Reconstruction (SPFR) test events, directed study events, digital support to real world events, element integration events, concept analysis events, and element post-flight reconstruction events.

## **2.0 Background**

JRDC predecessor task orders:

- JRDC Task Order 4506 Modeling and Simulation Operations and Support
- JRDC Task Order 5506 Modeling and Simulation Operations and Support
- JRDC Task Order 7506 Modeling and Simulation Operations and Support
- JRDC Task Order 8506 Modeling and Simulation Event Operations and Support

This Task Order will also follow the System Engineering and Integration requirements identified in the following IRES TO:

- IRES Systems Engineering and Program Integration (SE&PI)

Work under this task order will be performed at the following locations.

- MDIOC 2400
- MWS enclave located in the MDIOC 2400 quad (primarily room 2407)
- MWS servers in MDIOC 2200 (limited)
- MDIOC B80 (limited)
- MDIOC 2300, room 237 plus work station room, location TBD MDIOC (limited)
- AMRDEC in Huntsville, AL (limited)
- Teledyne Brown Engineering in Huntsville, AL (limited)
- Lockheed Martin located at Moorestown (limited)
- Lockheed Martin, Highway 83, Colorado Springs (limited)
- VBIII in Huntsville, AL (limited)
- VBIV (2 sites) in Huntsville, AL (limited)
- RASP in Huntsville, AL (limited)
- Aerospace in Huntsville, AL (limited)
- Other extension sites in CONUS locations as identified by the Program Manager

## **3.0 Scope**

Perform operations and sustainment activities for the Modeling and Simulation Center located at the Missile Defense Integration and Operations Center (MDIOC) Building 720 Quadrant 2400 and for the Modeling and Simulation Web Service (MWS) enclave. Perform planning and

execution of System Post Flight Reconstruction Events and other digital events. Integrate with the IRES Systems Engineering (SE) & Program Integration (PI) task order to ensure effective integration across the program.

### 3.1 Operations and Sustainment of MWS Enclave and M&S Center

- Provide Mission Unique Equipment (MUE) system operation, configuration management and sustainment to include preventative maintenance, systems administration, cyber security, asset management, hardware/software refresh, and system check-out, break/fix activities.
- Sustain the Modeling and Simulation Web Service (MWS) network, research, and initial design and implementation for the modernization of the MWS. The MWS will support MDA/DE/S Early Digital Product (EDP) and associated web services and End-to-end Digital Integrated System-level Simulation (EDISS).

### 3.2 System Post Flight Reconstruction Events

- Provide strategic planning, review, and expertise for the HWIL mission, including system-level integration, execution and assessment.
- Provide detailed event planning and coordination between MDA/ESI, all test event participants/elements, and all other organizations affected by MDA/ESI test event.
- Conduct the Integration Testing and event execution.

### 3.3 Quad Maintenance

Continue to manage the operations, maintenance, certification and accreditation, Configuration Management (CM) and control, physical security, communication networks, computing systems, software licenses, and synchronize hardware/software upgrades of the M&S Center (Quadrant [Quad] 2400) and MDA/DE/S (Quad 2400) tenants.

## 4.0 Service Summary Items

In accordance with the IRES Performance Evaluation and Incentive Plan, Service Summary Items (SSIs) 1 through 4 are common [required] on all task orders and will be assessed at the contract level (i.e., all task orders will receive the same rating).

SSIs 5 - 11 captures the specific task order Service Summary Items deemed essential to successful execution of the task.

SSI Definition	
Name	(b)(4)

<b>Identifier</b>	(b)(4)
<b>Definition</b>	
<b>Measurable Concept</b>	
<b>Questions Addressed</b>	
<b>Baseline Measure</b>	
<b>Technical Performance Measures</b>	
<b>Notes</b>	

<b>SSI Definition</b>	
<b>Name</b>	(b)(4)
<b>Identifier</b>	
<b>Definition</b>	
<b>Measurable Concept</b>	
<b>Questions Addressed</b>	

<b>Baseline Measure</b>	(b)(4)
<b>Technical Performance Measures</b>	
<b>Notes</b>	

<b>SSI Definition</b>	
<b>Name</b>	(b)(4)
<b>Identifier</b>	
<b>Definition</b>	
<b>Measurable Concept</b>	
<b>Questions Addressed</b>	
<b>Baseline Measure</b>	
<b>Technical Performance Measures</b>	
<b>Notes</b>	

SSI Definition	
Name	(b)(4)
Identifier	
Definition	
Measurable Concept	
Questions Addressed	
Baseline Measure	
Technical Performance Measures	
Notes	

SSI Definition	
Name	(b)(4)
Identifier	
Definition	

<b>Measurable Concept</b>	(b)(4)
<b>Questions Addressed</b>	
<b>Baseline Measure</b>	
<b>Technical Performance Measures</b>	
<b>Notes</b>	

<b>SSI Definition</b>	
<b>Name</b>	(b)(4)
<b>Identifier</b>	
<b>Definition</b>	
<b>Measurable Concept</b>	
<b>Questions Addressed</b>	
<b>Baseline Measure</b>	
<b>Technical Performance Measures</b>	

<b>Notes</b>	(b)(4)
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<b>SSI Definition</b>	
<b>Name</b>	(b)(4)
<b>Identifier</b>	
<b>Definition</b>	
<b>Measurable Concept</b>	
<b>Questions Addressed</b>	
<b>Baseline Measure</b>	
<b>Technical Performance Measures</b>	
<b>Notes</b>	

## 5.0 Contract Data Requirements List (CDRL)

The point of delivery for all CDRL products, except as noted in Exhibit C, is the MDA E-CaRT system. The Contractor shall deliver all such products by saving and profiling them in E-CaRT, with the appropriate notification of delivery letter transmitted electronically to the Government's Data Management Office. Reference Exhibit C for specific CDRL delivery instructions.

### Contract Data Requirements List (CDRL) Identification

Task	CDRL	DID	Title	Description
10.1.1.1	C001	DI-MGMT-8186I/T	TO HQ079618F7300: Integrated Program Management Report	Contains data for measuring cost and schedule performance. Tailored IPMR for formats 1, 5 and 6 only that contain the content and relationships required for the electronic submissions. Note: Formal EVMS DFAR clause does not apply.
10.1.1.1	C002	DI-MISC-80508B/T	TO HQ079618F7300: Task Order Status Report, [month ending]	Provides significant accomplishments, issues, concerns, lessons learned, and risks associated with the task order.
Reserved	C003			
10.2.1.10	C004	DI-MISC-80508B/T	TO HQ079618F7300: Assessment and Accreditation Documentation	This CDRL shall contain the documentation required to support C&A activities: Risk Management Framework (RMF) Packages, FISMA Report, DITPR Report, Vulnerability Scan and Compliance Reports, Accreditation Boundaries Report, Boundary Protection Configurations, BMDS RMF Comprehensive Package, DR/COOP IT Quarterly Tabletop and Annual Exercise Scenarios/Test Plan

Task	CDRL	DID	Title	Description
				Packages generated under this TO.
10.4.1.2	C005	DI-MISC 80508B	TO HQ079618F7300: Maintenance & Spare Report	Identifies type, location, and frequency of recurring sustainment activities, the sparing methodology used in establishing a “Recommended Spares Requirement List”, and the identification of licensing, maintenance agreements, and renewal documentation of hardware and software assets.
10.4.1.2	C006	DI-MISC 80508B	TO HQ079618F7300: Operational Support Documents: Technology Refresh Plan	The Technology Refresh Plan takes into account the formally documented current state of the hardware necessary to execute business functions, deliver services, and maintain the logical relationships between customers, partners, and suppliers. Primarily, this superset will contain the system architecture, the storage architecture, and the network architecture across the enterprise.
Reserved	C007			
10.4.2.2 10.6.1.4 10.6.2.4	C008	DI-MISC 80508B/T	TO HQ079618F7300: Baseline Engineering Documentation	This CDRL contains engineering documentation which potentially includes some or all of the following components: Slide Package, DoDAF Artifacts, Rack Elevation drawings, Facility Layout drawings, CONOPS, and Requirements Traceability Matrix

Task	CDRL	DID	Title	Description
				(RTM), Version Description Documents, and Floor Plans.
10.5.2.11	C009	DI-MISC-80508B/T	TO HQ079618F7300: Detailed Test Plan	Provides an unclassified overview of the entire test event, and identifies any limitations in the event architecture that will limit the achievement of objectives.
10.5.2.15	C010	DI-MISC-80508B	TO HQ079618F7300: Event Cybersecurity Plan (ECsP)	Captures the authorization statuses of all event participant systems, whether those participants have system authorizations from MDA or from organizations outside of MDA (e.g., Army, Navy, Air Force, Defense Security Service (DSS)). The ECsP supports the MDA Authorizing Official (AO) decision to approve the Cybersecurity event architecture and grant an event Interim Authority to Test (IATT). To accurately develop an ECsP, the event architecture must be analyzed and evaluated in order to collect necessary information and artifacts as required by the AO.
10.5.2.20	C011	DI-MISC-80508B/T	TO HQ079618F7300: Test Case Description Document (TCDD)	A detailed description of the test cases that will be executed during the event.
10.5.3.7	C012	DI-MISC-80508B/T	TO HQ079618F7300: Flash Report	Details final developmental and operational test runs execution status. Highlights Warfighter support, initial observations, and first-use of assets, software, and hardware in a distributed ground test event.
10.5.3.8	C013	DI-MISC-80508B/T	TO HQ079618F7300: As-Run Approved Test Configuration	Document contains test objectives, planned test participants, additional test components, system-under-test overview, test support

Task	CDRL	DID	Title	Description
				positions, system pre-mission test, planned test configuration data link network, and change log.
10.5.3.9	C014	DI-MISC-80508B/T	TO HQ079618F7300: As-Run Test Procedures	Describes tasks or items that are verified and confirmed, by all test-event participating Elements and on-console operators, to ensure successful test event execution according to the IMS and event budget. Includes pre-test runs, test runs, and post-test runs activities.

## 5.1 CDRL Tailoring

The DD Form 1423 associated with each CDRL is contained the following attachment.



## 6.0 Milestones

PWS Paragraph(s)	Activity	Date / Days after Contract (DAC)
10.1.1.1	Baseline Review	26 June 2018

## 7.0 Government Property(GP) / Government Furnished Property (GFP) / Government Furnished Information (GFI) / Contractor Acquired Property (CAP)

7.1 In addition to the any GP associated with IRES Contract SOO, paragraph 6.0, the following GP is applicable to this task order: none

7.2 In addition to the GFP identified on IRES Contract Attachment 5, the following GFP is applicable to this task order: none

7.3 The following GFI is applicable to this task order: MWS connectivity drawings

7.4 All CAP shall be managed under the terms and conditions associated with task order 18F8900 – Government Property Management.

## 8.0 Special Requirements

In addition to the Special Requirements identified in IRES Contract SOO, paragraph 7.0, the following are applicable to this task order:

This task order shall be executed IAW the MDA Security Classification Guidance up to the classification level of TOP SECRET/SAP with Formerly Restricted Data (FRD) handling requirements, No Foreign (NO FORN), and North Atlantic Treaty Organization (NATO) SECRET. Requires appropriately cleared individuals to execute mission-essential activities particularly for operational SPFR test events that require access to information that is classified up to and including Top Secret/Sensitive Compartmented Information. A limited number (maximum 2-3 individuals) of appropriately cleared positions are required to perform this work and to provide regular status to MDA/DE/S.

- Personnel performing IA functions must obtain one of the certifications required for their position category or specialty and level. Refer to Appendix 3 of 8570.01-M for further implementation guidance. (See attached for certificate list, or refer to <http://iase.disa.mil/iawip/Pages/iabaseline.aspx>)

## 9.0 Applicable Documents

In addition to the directives and regulations identified in the IRES Contract SOO, paragraph 8.0, the following are applicable to this task order:

Title	Originator	Date
Early Digital Product (EDP) ConOps	MDA/DE	TBD
2400 Security Standard Operating Procedure (SOP)	MDA/ESI	3/16/2017
Configuration Control Board Charter	MDA/ESI	3/31/2017
SPFR Test Event Process Guide	MDA/ESI	3/31/2017
MDA Instruction 3000.07, BMDS Ground Test CONOPS	MDA/DT	8/07/2017

## 10.0 Statement of Objectives and Outcomes

### 10.1 Task Order Administration

This portion of this PWS contains structure, objectives and outcomes with respect to the administration of the **Task Order**. This PWS element represents the work required to administer the Task Order and the Enterprise Support of the Task Order's work and resources. For this Task Order, work is estimated at this level in the PWS (10.1, 10.2, 10.3, etc.).

### **10.1.1 Task Order Management**

This PWS element represents the work specifically required to support the management of requirements of the overall Task order, which includes all reporting, briefings, awards, modifications, SSIs, etc.

#### **10.1.1.1 Stakeholder Technical Integration Management (STIM) and Systems Engineering and Integration (SEI) Management**

Objective #1: The contractor shall provide the resources and information to communicate and manage task order performance.

Outcomes:

- Provide a single POC responsible for managing the cost, schedule, risk, and technical performance of the TO.
- Provide a single POC to serve as a liaison to the COTR or Assistant COTR (ACOTR) who is responsible for providing insight on TO performance.
- TO activities are managed in accordance with the IRES Program Management Plan (CDRL TO8002 C008).
- All TO requirements are identified, managed, validated, and verified in accordance with the contractor's IRES Systems Engineering Master Plan.

Objective #2: The contractor shall provide task order reporting to accurately monitor status in accordance with CDRL and Milestone requirements.

Outcomes:

- IPMR and TO status report for the TO are delivered per CDRL requirements.
- A Baseline Review of the TO is performed within 90 days of TO award.
- TO status (e.g., technical, cost, schedule) is reported to the COTR on a monthly basis in accordance with CDRL requirements.
- TO status includes cost and schedule performance by WBS and IRES organization structure; significant accomplishments; customer concerns or issues; TO risks and mitigation status; performance against the IRES contract, SE&PI, and TO SSIs; IPMR; achievements relative to the utilization goals in the contractor's Small Business Participation and Commitment Plan; quality assurance reviews, audit results, and non-conformance finding closure reports; safety information.
- TO performance trends are identified, tracked and shared with the COTR, ACOTR, and applicable government stakeholders.
  - Milestone: Baseline Review
  - CDRL C001: Integrated Program Management Report

- CDRL C002: Task Order Status Report

#### **10.1.1.2 Responsible Organization Management**

Objective #1: The contractor shall provide qualified personnel and manage personnel issues to perform TO activities.

Outcomes:

- The workforce is managed efficiently, mitigating workforce surge and drawdown impacts, analyzing workforce trends, and forecasting workforce needs IRES-wide.
- A trained and qualified workforce is maintained that is able to perform the functions necessary to operate, support, and sustain MDIOC facilities and systems.

Objective #2: The contractor shall maintain accountability of all property under its control and provide reporting to ensure government situational awareness of property status.

Outcomes:

- A Material Inspection and Receiving Report is submitted as required by DFARS 252.246-7000 for the delivery of all CAP classified as Equipment, Special Test Equipment, and Special Tooling by using the Invoicing, Receipt, Acceptance, and Property Transfer (iRAPT) application in the Wide Area Workflow (WAWF) e-Business Suite in accordance with the instructions provided in the CLIN 7991.

#### **10.1.1.3 Administrative Support**

Objective #1: The contractor shall provide resources to manage the contractual requirements, and provide financial oversight and performance tracking for the task order.

Outcomes:

- Task Order financial management activities ensure that task order reporting, including IPMR, accurately reflect the current state of TO financial performance and status.
- TO contractual deliverables are provided within the agreed to schedule, in the correct formats and to a high level of quality.

#### **10.1.2 Objective: Enterprise Task Order Support**

This PWS element represents the work of enterprise support to the Task Order's work and resources.

##### **10.1.2.1 Enterprise Management**

Objective #1: The contractor shall provide the resources and data to enable enterprise management of this task order for human resources, business/finance, and JEMS in support of integration.

Outcomes:

- IPMR and TO status report for the TO are delivered per CDRL requirements.
- TO status (e.g., technical, cost, schedule) is reported to the COTR on a monthly basis in accordance with CDRL requirements.
- MDA customers and stakeholders have on-demand access to a TO status report dashboard.
- TO export control requirements are managed to comply with DoD and MDA requirements, including International Traffic in Arms Regulations (ITAR) (22 CFR 120-130) and Technical Assistance Agreements processes as required.
- Any individuals requiring access to Government information technology systems have completed Information Assurance Awareness training.
- Personnel performing information assurance functions on national security systems meet the Committee on National Security Systems training requirements.

#### **10.1.2.2 Mission and Performance Assurance**

Objective #1: The contractor shall perform System Engineering functions to ensure the products and services provided under this TO utilize established Systems Engineering practices that are standardized across the IRES contract in support of the MDA mission.

Outcomes:

- Deliver a milestone level schedule in accordance with Integrated Program Management Report (IPMR) CDRL requirements, using the contractor's JEMS Portal.
- The TO schedule is integrated into the contractor's IRES Integrated Schedule (IIS).
- Systems Integration requirements and capabilities gaps, lessons learned, and a common MDIOC system vision are integrated enterprise-wide.
- Critical assets are managed, to include conflict forecasting and de-confliction, across the IRES enterprise.

Objective #2: The contractor shall track, manage and report on TO performance measures, including metrics, lessons learned and accomplishments.

Outcomes:

- Based on TO performance trends, periodic audits of task estimates are performed, TO risks are tracked, and schedule accuracy is evaluated.
- All TO CDRLs are delivered on time and with accurate information.
- Customer satisfaction with the services and products delivered in this TO is solicited and tracked.
- TO performance is continuously evaluated and improved using objective performance measures.

- TO lessons learned, best practices, and accomplishments are collected and shared with the COTR, ACOTR, other government stakeholders, and IRES workforce.

Objective #3: The contractor shall incorporate Mission Assurance activities into all TO tasks in support of the MDA mission.

Outcomes:

- TO asset configurations are managed in accordance with the IRES Configuration Management Plan (CDRL TO8002 C022).
- TO risks are managed in accordance with the IRES Risk Management Plan (CDRL TO8002 C021).
- The quality of TO activities is assured in accordance with the Quality Assurance Program Plan (CDRL TO8002 C020).
- TO supplies are purchased in accordance with the IRES Supply Chain Risk Management Plan, including the development of a supply chain map and authorized suppliers list for critical systems.

Objective #4: The contractor shall provide information security, physical security, export control and cybersecurity training and processes in accordance with federal, DoD and agency requirements to safeguard the conduct of the MDA mission through the IRES contract.

Outcomes:

- MDA-identified Critical Program Information (CPI) and Critical Technologies (CT) are protected to the standards required in DoDI 5200.39
- TO cybersecurity risks are managed in accordance with the Cybersecurity Risk Management Plan (CDRL TO8002 C016).
- All Controlled Unclassified Information is protected from unauthorized access, disclosure, incident, or compromise.
- All contractor-managed TO systems maintain System Authorization in accordance with DoDI 8510.01, Risk Management Framework.
- Cybersecurity requirements and considerations are integrated into TO systems engineering, design, and risk management processes.
- All contractor-managed TO systems are operated in accordance with cybersecurity requirements.
- Security administration is provided to comply with applicable DoD, MDA, and local security directives, policies, procedures, and instructions for physical security and for the safeguarding of BMDS controlled and classified information, to include proper document marking, classification, storage, accountability, transmittal, and destruction.
- Personnel requiring privileged access maintain appropriate computing environment certifications for the operating system(s) and/or security related tools/devices they support or operate.

Objective #4: The contractor shall promote and enforce safe and sustainable work practices to prevent personnel injury, damage to property or harm to the environment.

Outcomes:

- TO activities are performed in accordance with the Mishap Prevention and Safety Plan (CDRL TO8002 C024) to prevent personnel injury and property damage.
- TO activities are performed in accordance with the Environmental Program Plan (CDRL TO8002 C023) to prevent harm to the environment and maximize sustainable practices.

#### **10.1.2.3 Functional Management and Administrative Support**

Objective #1: The contractor shall provide a functional management oversight structure to lead, manage and assign resources within their organization.

Outcomes:

- TO activities are monitored by functional management oversight to ensure resources performing on the TO are trained and equipped to accomplish TO objectives.

Objective #2: The contractor shall provide functional administrative and management support as required to communicate and deliver enterprise integration.

Outcomes:

- TO supplied with adequate and capable functional administrative support to ensure accomplishment of TO objectives.

#### **10.1.3 Objective: Task Order Award and Modification**

Objective #1: The contractor shall provide the resources and data to provide timely and accurate proposals to government requirements for proposal and other contract modification actions.

### **10.2 Cybersecurity**

10.2.1 Objective: The Contractor shall provide compliant security services that prevent unauthorized access, use, disclosure, disruption, modification, inspection, recording, or destruction of information and/or equipment and processes that create that information for the MWS Enclave. The Contractor shall have full Cyber responsibility for the MWS Enclave. These security services and tools include:

- Security Engineering and Security Administration processes and products that support system certification and accreditation (C&A)
- Cybersecurity Concept of Operations
- Accreditation requirements of the DoD's Risk Management Framework (RMF)
- Information Assurance Vulnerability Management (IAVM)
- ePO system

- Continuous security monitoring and reporting as an MDA Tier III Computer Network Defense (CND) organization by managing:
  - DISA security tools including Host-Based Security System (HBSS)
  - Assured Compliance Assessment Solution (ACAS)
  - Enterprise Mission Assurance Support Service (eMASS)
  - Continuous Monitoring and Risk Scoring (CMRS)

## **Outcomes:**

10.2.1.1 Perform Cyber system administration and security management tasks using DISA tools and report, monitor applicable security resources for updated requirements and comply with DoD/Cyber Command Task Orders (CTO).

10.2.1.2 Recommend security requirements and safeguards and establish processes to validate security requirements, mitigate cyber risks, and acquire certification and accreditation of systems.

10.2.1.3 Anticipate requirements for cyber accreditations and recommend a Plan of Action and Milestones (POA&M) to accomplish tasks that allow participation in events. Include POAM updates in the monthly Task Order Status Review (CDRL C002).

10.2.1.4 Demonstrate and report compliance with cybersecurity requirements using the standard scorecard.

10.2.1.5 Assess systems, networks, and using passive and active evaluations, participate in the Security Test and Evaluation (ST&E) processes, and identify vulnerabilities and deviations from acceptable configurations

10.2.1.6 Document the results of Certification and Accreditation activities

10.2.1.7 Conduct Incident Response actions and analyze malicious events and known exploitations/vulnerabilities for the creation of custom signature rule sets

10.2.1.8 Identify and manage government common user systems and special purpose systems that require custom security features and procedures.

10.2.1.9 Comply with RMF mitigation requirements for Category I, II, and III findings.

10.2.1.10 Obtain timely Authorization to Operate (ATO) for mission areas and maintains status by implementing agreed-upon set of security controls.

- CDRL C004: HQ079618F7300: Assessment and Authorization Documentation

10.2.1.11 Perform MWS scanning and patching, reporting, and metrics collection.

### **10.3 Operations Assistance**

10.3.1 Objective: Facility Operations. The contractor shall execute facility administrative activities for the M&S Center, such as access control, coordinating and scheduling meetings, coordinating projection capabilities for meetings, developing, maintaining and providing access to MKO Portal folders.

#### **Outcomes:**

10.3.1.1 Coordinate across other IRES task orders and with vendors and other government customers, to facilitate, and provide access control to the M&S Center footprint for personnel not permanently authorized within the footprint. (e.g. facility inspections, cleaning crews, VIP visits, project-related visits and inventory activities)

10.3.1.2 Perform conference and VTC room scheduling and publish the reservation results.

10.3.1.3 Set up classified and unclassified VTC.

10.3.1.4 Report to the MDIOC Service Desk when classified and unclassified printers are not operational and facilitate paper and toner replacements.

10.3.1.5 Ensure the "Unclassified Sensitive/FOUO/Proprietary Information" recycle bins are serviced through the MDIOC Service Desk.

10.3.1.6 Perform cubicle configuration management by tracking and reporting cubicle seating assignments.

10.3.2 Objective: Security Operations. The contractor shall perform security management functions for 2400 quad to ensure compliance with MDIOC, MDA and DoD standards.

#### **Outcomes:**

10.3.2.1 Demonstrate a repeatable cycle of security system auditing and investigation of anomalous activity.

10.3.2.2 Maintain and manage open storage certification requirements. Provide guidance to occupants on the Security Classification requirements. Receive, generate and reproduce classified material up to the SECRET classification.

10.3.2.3 Perform duties as the Security Assistant as defined in the 2400 Security Standard Operating Procedure (SOP). Coordinate for the Security Manager with Missile Defense Agency Security Department (MDA/EIR) Security Personnel of all physical and information security issues and tasks. Develop and maintain SOP documentation in accordance with the standard MDA/EIR procedures.

10.3.2.4 Perform block captain activities in accordance with latest government SOP.

10.3.2.5 Perform safe management to include inventories and maintenance of safe combinations.

#### **10.4 MWS and M&S Center Mission Operations and Capability Sustainment**

10.4.1 Objective: The Contractor shall sustain MWS enclave mission systems and capabilities. Sustainment activities include network management, configuration management, proactive/corrective maintenance, hardware and software refresh, system check-out, break/fix service restoration, and engineering services for the following assets.

- Information Technology (IT) systems
- Audio Visual (AV) systems (for distribution in 2407)
- VTC communications systems
- MWS Network connectivity (coordinate with TO HQ079618F8003)
- Existing mission capabilities
- Magellan

The contractor will provide System Administration/IT for Test Analysis IT equipment and specialty networks and technical assistance for A/V distribution systems.

#### **Outcomes:**

10.4.1.1 Maintain and refresh hardware, software and current capabilities in accordance with industry best maintenance practices ensuring an appropriate mix between proactive and corrective maintenance, repair, and replacement to maintain availability of systems, equipment and networks. Document and execute maintenance plans, schedules, and performance expectations. Develop sparing methodology based upon mission criticality, frequency of use, acquisition lead-time, and vendor support criteria. Monitor approved spare levels and recommend procurement action to replenish stock. Report availability data in the monthly TOSR (CDRL C002). Manage and maintain currency on all licensing and update services for third-party software, software drivers, and diagnostic software. Report any lapse in hardware service agreements or software licenses in the monthly Task Order Status Review (CDRL C002)

- CDRL C005: HQ079618F7300: Maintenance and Spare Report

10.4.1.2 Develop criteria for technology refresh of hardware, software, and current capabilities in accordance with industry best practices to ensure availability. Leverage MDA Information Technology (IT) support policy to minimize investments for IT hardware and software above MDA standards. Manage and provide the government with real-time access to a database that conforms to Defense Property Accountability System (DPAS) requirements identifying the location and acquisition details for all acquired assets. Implement an integrated approach to operate and manage all hardware and software investments that provides for the continuous identification, selection, control, life-cycle management, and evaluation of the investments in a structured process resulting in a systematic method to maximize investment return and allow predictable budgeting.

- CDRL C006: Operational Support Documentation: Technology Refresh Plan

10.4.1.3 Core Hours Break/Fix Response. Respond to degradations/failures within 10 business hours (0700-1700 MST M-F) and within 1 business day provide an estimated timeline associated with service restoral. Demonstrate minimal impact to mission while repair activities are initiated, conducted, and completed. Incidents occurring outside of core hours shall be worked the following business day. A summary of degradations/failures, to include the response times and a root-cause analysis, shall be documented in the monthly Task Order Status Review (CDRL C0002).

10.4.1.4 Coordinate all fixes with other IRES TOs and/or contractors and provide a single POC to MDA/ESI government personnel.

10.4.1.5 Operational enhancements and upgrades. (PPWP) Upgrade, enhance and refresh hardware and software to increase current capabilities above the established MWS enclave and M&S Center baseline. This PPWP can be executed up to 60 times. (Executed 37 instances via Mod P00002. Executed 3 instances via Mod P00004).

10.4.1.6 Hardware enhancements and upgrades. (PPWP) Develop solutions requiring the upgrade, enhancement and refresh of hardware to increase or improve current capabilities above the established MWS enclave and M&S Center baseline. Address capabilities that require numerous purchases for multiple lower price items or high value items such as a high-end data store with an XIO ISE storage server-level capability or a Cisco network switch. This PPWP can be executed 50 times . (Executed 10 instances via Mod P00006).

10.4.1.7 Software enhancements and upgrades (PPWP). Develop solutions requiring the upgrade, enhancement and refresh of software to increase or improve current capabilities above the established MWS enclave and M&S Center baseline. This PPWP can be executed 30 times.

10.4.1.8 Extension site deployment. (PPWP) Conduct site survey activities, purchase equipment, provide the connectivity and perform extension site installation for CONUS

customers with a requirement to operate remotely on the MWS network. This PPWP can be executed up to 15 times.

10.4.1.9 Develop an initial solution that will enable the existing MWS architecture to perform 30,000 EDISS runs for record annually. This includes providing subject matter expertise in areas such as network architecture design and cybersecurity. Create a limited bench stock of the hardware required for a new MWS Extension Site that will enable a more rapid installation timeline.

10.4.2 Objective: Configuration Control. The Contractor shall provide facility and equipment configuration control. The contractor shall implement a mechanism for recording, tracking, and reporting the status of Configuration Items (CIs). The contractor shall examine, evaluate, and monitor baseline HW/SW to maintain version control integrity.

**Outcomes:**

10.4.2.1 Schedule a weekly Configuration Control Board (CCB) meeting, develop agenda, take and maintain minutes, track actions items at each CCB, and retain CCB artifacts.

10.4.2.2 Maintain positive configuration management control for all facilities, cabling, systems, operating procedures, and assets. Develop and provide baselined systems artifacts (e.g. Interface Control Documents, Network Interface Control Documents, schematic, functional system overlay and architectural drawings compliant with DoDAF v2.0, etc.) that clearly diagram and articulate the system or components performance, function, and physical attributes and functional relation between parts, subsystems, and systems.

- CDRL C008: Baseline Engineering Documentation

10.4.3 Objective: The Contractor shall service the distribution of AV and configuration activities in 2407.

**Outcomes:**

10.4.3.1 Implement a work request process/system that allows government personnel to submit, validate, prioritize, approve, and track requests for non-help desk support related activities. Content of contractor response for each request: need-date, identification of POCs, solution, schedule, and cost. Implement a change request process for schedule changes. Provide a summary of all workload data on a quarterly basis in the monthly TOSR (CDRL C002).

10.4.4 Objective: The Contractor shall provide MWS Account Management to include account requests, tracking, maintenance, review, and removal.

**Outcomes:**

10.4.4.1 Ensure 100% users have appropriate access privileges.

10.4.4.2 Ensure 100% validity of user accounts. Document status in the monthly TOSR (CDRL C002).

10.4.4.3 Disable user accounts from system within three business days of notification after coordination with the COTR.

10.4.5 Objective. The Contractor shall provide Magellan capability for a user to perform analysis runs at a classification level of TOP SECRET/SAP. Magellan is a standalone EDISS system that will be run at TOP SECRET/SAP level.

**Outcomes:**

10.4.5.1 Provide a TOP SECRET/SAP environment for the Magellan system.

10.4.5.2 Transfer and install Magellan (two equipment racks and remote workstation). Transfer Magellan equipment rack from current location in MDIOC Bldg 720, Rm 2407 to new location on second floor of Bldg 720. Perform complete installation to include connectivity between equipment rack and workstation.

**10.5 System-level Post-Flight Reconstruction (SPFR) Test Events**

10.5.1 Objective: Strategic Planning. The contractor shall engage in long-term strategic planning for SPRF test events.

**Outcome:**

10.5.1.1 Provide technical inputs into long-term planning initiatives for future SPFR test events. This would include reviews and recommendations for flight test data documentation to ensure needed SPFR input data is available.

10.5.2 Objective: Event Planning (PPWP). Under the direction of the Government test team leadership, the contractor shall conduct Detailed Event Planning/Coordination. The contractor

shall develop, coordinate and integrate activities, products, and requirements, and provide mission assurance across the test event life cycle (Phases 2-4) in accordance with BMDS Ground Test CONOPS as modified by MDA/ESI to support SPFRs. This PPWP may be executed up to 3 times. (PPWP was executed 1x with P00008 on 20 Nov 2018)

### **Outcomes:**

10.5.2.1 Develop an Event master schedule documenting the coordinated schedule of test assets and activities for test integration and execution periods. Update as schedule changes are approved by the System Mission Manager.

10.5.2.2 Develop and maintain test event-specific distribution lists

10.5.2.3 Develop and maintain the System Under Test (SUT) Configuration

10.5.2.4 Coordinate the production of test event posters.

10.5.2.5 Establish, maintain and provide access to test event-specific MKO Portal folders.

10.5.2.6 Develop, maintain, and document Event architecture

10.5.2.7 Develop, review, provide technical input, and facilitate weekly/bi-weekly Event Status Meetings up until Dry Run test execution, or as directed by the System Mission Manager (SMM).

10.5.2.8 Produce, submit, and gain approval of the MDA/IC event freeze request.

10.5.2.9 Develop, review, provide technical input, and facilitate reoccurring and ad-hoc meetings.

10.5.2.10 Develop and manage the Approved Test Configuration in the format required by Test Baseline Working Group (TBWG).

10.5.2.11 Develop, coordinate, and deliver the Detailed Test Plan (DTP).

- CDRL C009: DTP

10.5.2.12 Develop and coordinate the draft Test Procedures for console operations.

10.5.2.13 Develop, coordinate and maintain the OPTASKLINK in approved message format. Define the parameters needed for each participant to connect and share information with other test participants.

10.5.2.14 Coordinate and manage test event Change Request process.

10.5.2.15 Develop and coordinate the Event Cybersecurity Plan (ECsP).

- CDRL: C010: ECsP.

10.5.2.16 Develop Critical Asset List (CAL) and obtain approvals for establishment of event freeze for protection of CAL during test event.

10.5.2.17 Develop the Test Certification Package (TCP) for shared services and the test execution center.

10.5.2.18 Provide the Certification Data Package (CDP) for test execution center.

10.5.2.19 Identify and document event execution risks, develop and track mitigation strategies.

10.5.2.20 Develop, coordinate, and gain approval of the final draft of the Test Case Description Document (TCDD) used to support test case development.

- CDRL C011: Test Case Description Document (TCDD)

10.5.3 Objective: Event Integration and Execution. (PPWP) The Contractor shall ensure transition to Dry Runs (DR) and Runs for Record (RFR) during the event integration testing. The Contractor shall conduct the last 1-2 days of Event Architecture Certification (EAC) testing, Dry Runs and Runs for Record testing. This PPWP may be executed up to 3 times.

### **Outcomes:**

10.5.3.1 Ensure all scenarios transferred from integration configuration and labs to execution configuration and labs.

10.5.3.2 Manage event configuration of test execution center.

10.5.3.3 Provide and monitor seals for assets defined on the Critical Asset List (CAL) during the approved event freeze.

10.5.3.4 Operate the test execution center.

10.5.3.5 Control access to the MDIOC test execution facilities.

10.5.3.6 Provide technical input to the daily run matrix.

10.5.3.7 Provide recommended statuses of completed test runs.

10.5.3.8 Provide technical input to the End of Day Summary and daily tag-up.

10.5.3.9 Generate a Flash Report detailing final execution status.

- CDRL C012: Flash Report

10.5.3.10 Develop and coordinate an As-Run ATC based on additional or changed information from stakeholders. This document shall include the final Event Architecture.

- CDRL C013: As-Run ATC

10.5.3.11 Develop and deliver the as-run Test Procedures (TPs) based upon final test case configurations executed in the event.

- CDRL C014: As-Run TPs

10.5.3.12 Develop, coordinate, and gain approval of the As-Run TCDD.

## **10.6 Rapid Response Engineering Projects (PPWP)**

The purpose of this task is to provide rapid response capabilities for Engineering projects. Project are categorized as small and medium. Each project shall be defined through a Mission Support Task (MST). After the MST is issued the contractor shall provide an engineering estimate, engineering artifacts, and implementation plan to the COTR as outlined in the MST. Upon stakeholder agreement the Contracting Officer will provide an authority to proceed for the contractor to execute and complete the project. The contractor shall establish a discrete work package for each MST. All MSTs will be identified in the PWS at 11.1 thru "n" and added to Attachment 1 to the PWS. The Task Change Requirement (TCR) process shall be followed when there is a need to document and communicate a potential cost, schedule, or requirements change to the MST. The outcomes identified against each objective may be adjusted as required by the scope, complexity and size of each project in the TDL.

10.6.1 Objective: Small Rapid Response Engineering Projects. The contractor shall provide the labor to implement upgrades, enhancements, reconfigurations, and surge tasking as directed in the MST. An example of a small project is pulling one cable greater than 75 feet to include the planning and updating of configuration documentation. This PPWP can be executed up to 40 times. (Executed 20 instances via Mod P00004).

### **Outcomes:**

10.6.1.1 Provide customer coordination and communications and respond to requests for information and problem resolution

10.6.1.2 Initiate requirements planning activities. Plan and develop sequenced, resource-loaded schedules. Provide a Requirements Traceability Matrix type document.

10.6.1.3 Develop design solutions and conduct design reviews for government approval

10.6.1.4 Develop, maintain, and coordinate technical documentation to include Technical Data Packages, engineering drawings, and interface control specifications for existing systems that require documentation or as a result of newly developed and/or modified systems.

- CDRL C008: Baseline Engineering Documentation

10.6.1.5 Complete close out activities.

10.6.1.6 Provide all closeout documentation to include a project summary, the final resource-loaded schedule, and an element of cost summary for each project in the in the monthly Task Order Status Review report (CDRL C002) in the month the project is completed.

10.6.2 Objective: Medium Rapid Response Engineering Projects. The contractor shall provide the labor to implement upgrades, enhancements, reconfigurations, and surge tasking as directed in the MST. An example of a medium project is the installation of a new rack space in the 2200 quad, the wiring of a new work area (2-3 cubes) in the DevNet to include the planning and updating of configuration documentation. This PPWP can be executed up to 15 times. (Executed five (5) instances via Mod P00002).

**Outcomes:**

10.6.2.1 Provide customer coordination and communications and respond to requests for information and problem resolution

10.6.2.2 Initiate requirements planning activities. Plan and develop sequenced, resource-loaded schedules. Provide a Requirements Traceability Matrix type document.

10.6.2.3 Develop design solutions and conduct design reviews for government approval

10.6.2.4 Develop, maintain, and coordinate technical documentation to include Technical Data Packages, engineering drawings, and interface control specifications for existing systems that require documentation or as a result of newly developed and/or modified systems.

- CDRL C008: Baseline Engineering Documentation

10.6.2.5 Complete close out activities.

10.6.2.6 Provide all closeout documentation to include a project summary, the final resource-loaded schedule, and an element of cost summary for each project in the in the monthly Task Order Status Review report (CDRL C002) in the month the project is completed.

10.6.3 Objective: Rapid Response Hardware Package. The contractor shall obtain the required hardware to implement upgrades, enhancements, reconfigurations, and surge tasking as directed in the MST. This PPWP can be executed up to 75 times. (Executed 50 instances via Mod P00004).

**Outcome:**

10.6.3.1 Provide customer coordination and communications and respond to requests for information and problem resolution.

<b>ORDER FOR SUPPLIES OR SERVICES</b>										PAGE 1 OF 24			
1. CONTRACT/PURCH. ORDER/ AGREEMENT NO. HQ079617D0001			2. DELIVERY ORDER/ CALL NO. HQ079618F8002P00010		3. DATE OF ORDER/ CALL (YYYYMMDD) 2018 Jan 05		4. REQ./ PURCH. REQUEST NO.  See Schedule		5. PRIORITY  DX-C9				
6. ISSUED BY MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300			CODE: HQ0796		7. ADMINISTERED BY (if other than 6) DCMA HUNTSVILLE 1040 RESEARCH BLVD SUITE 100 MADISON AL 35758-2040			CODE: S0107A  SCD: A		8. DELIVERY FOB <input checked="" type="checkbox"/> DESTINATION <input type="checkbox"/> OTHER  (See Schedule if other)			
9. CONTRACTOR JACOBS TECHNOLOGY INC. 550 WILLIAM NORTHERN BLVD. TULLAHOMA TN 37388-4727 <b>NAME AND ADDRESS</b>			CODE: 7EBK3		FACILITY		10. DELIVER TO FOB POINT BY (Date) (YYYYMMDD) <b>SEE SCHEDULE</b>		11. MARK IF BUSINESS IS <input type="checkbox"/> SMALL <input type="checkbox"/> SMALL DISADVANTAGED <input type="checkbox"/> WOMEN-OWNED				
12. DISCOUNT TERMS							13. MAIL INVOICES TO THE ADDRESS IN BLOCK Contract Sec G, 252.2327006						
14. SHIP TO MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300			CODE: HQ0796		15. PAYMENT WILL BE MADE BY DFAS COLUMBUS CENTER SOUTH ENTITLEMENT OPERATIONS P. O. BOX 182264 COLUMBUS OH 43218-2264			CODE: HQ0338		MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2.			
16. TYPE OF ORDER		DELIVERY/ CALL		<input checked="" type="checkbox"/>		This delivery order/call is issued on another Government agency or in accordance with and subject to terms and conditions of above numbered contract.							
		PURCHASE				Reference your quote dated Furnish the following on terms specified herein. REF:							
ACCEPTANCE. THE CONTRACTOR HEREBY ACCEPTS THE OFFER REPRESENTED BY THE NUMBERED PURCHASE ORDER AS IT MAY PREVIOUSLY HAVE BEEN OR IS NOW MODIFIED, SUBJECT TO ALL OF THE TERMS AND CONDITIONS SET FORTH, AND AGREES TO PERFORM THE SAME.													
NAME OF CONTRACTOR				SIGNATURE				TYPED NAME AND TITLE				DATE SIGNED (YYYYMMDD)	
<input checked="" type="checkbox"/> If this box is marked, supplier must sign Acceptance and return the following number of copies: 1													
17. ACCOUNTING AND APPROPRIATION DATA/ LOCAL USE  See Schedule													
18. ITEM NO.		19. SCHEDULE OF SUPPLIES/ SERVICES				20. QUANTITY ORDERED/ ACCEPTED*		21. UNIT		22. UNIT PRICE		23. AMOUNT	
		SEE SCHEDULE											
* If quantity accepted by the Government is same as quantity ordered, indicate by X. If different, enter actual quantity accepted below quantity ordered and encircle.						24. UNITED STATES OF AMERICA TELEPHONE (b)(6) FAX (b)(6) E-MAIL mda.mil BY (b)(6)		(b)(6)		25. TOTAL \$35,459,002.00 EST		26. DIFFERENCES	
27a. QUANTITY IN COLUMN 20 HAS BEEN <input type="checkbox"/> INSPECTED <input type="checkbox"/> RECEIVED <input type="checkbox"/> ACCEPTED, AND CONFORMS TO THE CONTRACT EXCEPT AS NOTED													
b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE						c. DATE (YYYYMMDD)		d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE					
e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE						28. SHIP NO.		29. DO VOUCHER NO.		30. INITIALS			
f. TELEPHONE NUMBER		g. E-MAIL ADDRESS				<input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL		32. PAID BY		33. AMOUNT VERIFIED CORRECT FOR			
36. I certify this account is correct and proper for payment.						31. PAYMENT <input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL				34. CHECK NUMBER			
a. DATE (YYYYMMDD)		b. SIGNATURE AND TITLE OF CERTIFYING OFFICER								35. BILL OF LADING NO.			
37. RECEIVED AT		38. RECEIVED BY		39. DATE RECEIVED (YYYYMMDD)		40. TOTAL CONTAINERS		41. S/R ACCOUNT NO.		42. S/R VOUCHER NO.			

Section B - Supplies or Services and Prices

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001	(b)(4)	(b)(4)			(b)(4)
	Services/Capabilities (Base) CPIF				
	The contractor shall provide all services/capabilities identified in the performance work statement (PWS) attached to this task order. All task order costs, other than those specifically included in another contract line item number (CLIN), are included in this CLIN.				
	All share ratios are identified as follows: Government/Contractor. The share ratios are subject to revision in accordance with the IRES Performance Evaluation and Incentive Plan (Contract Attachment J-06).				
	FOB: Destination PURCHASE REQUEST NUMBER: HQ0147861902				
				TARGET COST TARGET FEE	(b)(4)
				TOTAL TGT COST + FEE MINIMUM FEE MAXIMUM FEE	
				SHARE RATIO ABOVE TARGET SHARE RATIO BELOW TARGET	

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000101	Incremental Funding	
	ACRN AA	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147861902	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
0001 02	Incremental Funding	
	ACRN AB	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147861 902-0002	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
0001 03	Incremental Funding	
	ACRN AC	(b)(4)
	PURCHASE REQUEST NUMBER: HQ01 47861 902-0002	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
0001 04	Incremental Funding	
	ACRN AD	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147861 902-0002	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000105	Incremental Funding	
	ACRN AD	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147861902-0004	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000106	Incremental Funding	
	ACRN AG	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147861902-0004	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000107	Incremental Funding	
	ACRN AF	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147861902-0004	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
0001 08	Incremental Funding	
	ACRN AJ	(b)(4)
	PURCHASE REQUEST NUMBER: HQ014796771 3	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
0001 09	Incremental Funding	
	ACRN AK	(b)(4)
	PURCHASE REQUEST NUMBER: HQ01 4796771 3	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
0001 10	Incremental Funding	
	ACRN AL	(b)(4)
	PURCHASE REQUEST NUMBER: HQ01 4796771 3	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
0001 11	Incremental Funding	
	ACRN AH	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147967713	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0030	Award Fee Period 1 (Base) COST CLIN 0001 has both incentive fee and award fee components. Because the contract writing system does not accommodate multiple incentives on the same CLIN, this CLIN was created to identify the award fee pool for the period 5 Mar 2018 - 30 Sep 2018. Award Fee Earned FOB: Destination PURCHASE REQUEST NUMBER: HQ0147861902	(b)(4)			(b)(4)
				ESTIMATED COST	(b)(4)

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	AMOUNT
003001	Incremental Funding  ACRN AA  PURCHASE REQUEST NUMBER: HQ0147861902	   (b)(4)

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0031	Award Fee Period 2 (Base) COST CLIN 0001 has both incentive fee and award fee components. Because the contract writing system does not accommodate multiple incentives on the same CLIN, this CLIN was created to identify the award fee pool for the period 1 Oct 2018 - 30 Sep 2019. FOB: Destination PURCHASE REQUEST NUMBER: HQ0147861902	1	Lot		(b)(4)
ESTIMATED COST					(b)(4)

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	AMOUNT
0031 01	Incremental Funding  ACRN AH  PURCHASE REQUEST NUMBER: HQ0147967713	(b)(4)

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0032	Award Fee Period 3 (Base) COST CLIN 0001 has both incentive fee and award fee components. Because the contract writing system does not accommodate multiple incentives on the same CLIN, this CLIN was created to identify the award fee pool for the period 1 Oct 2019 - 30 Sep 2020. FOB: Destination PURCHASE REQUEST NUMBER: HQ0147861902	1	Lot		(b)(4)
ESTIMATED COST					(b)(4)

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
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0990	Data (Base) FFP The contractor shall deliver all data identified in the contract data requirements lists (CDRL) attached to this task order.	1	Lot		NSP
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Reference Section G of the basic contract. At the end of the task order period of performance, the contractor shall submit one Invoicing, Receipt, Acceptance, and Property Transfer (iRAPT) receiving report for all data previously delivered.

FOB: Destination  
PURCHASE REQUEST NUMBER: HQ0147861902

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NET AMT

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
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0991	Expensed CAP Delivery (Base) FFP Delivery of expensed CAP as required by the IRES Government Property Management Task Order. NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent. FOB: Destination PURCHASE REQUEST NUMBER: HQ0147861902	120	Lot		NSP
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NET AMT

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1001		(b)(4)			(b)(4)

OPTION

Services/Capabilities (AT1)  
 CPIF

This Award Term Period 1 (AT1) line item is currently unexecuted. Reference the IRES PEIP (Contract Attachment J-06); a contract modification will be issued if/when the ordering period is extended under the award term. Although this is not a FAR Subpart 17.2 option line item, it is identified as an option in the contract writing system due solely to system limitations.

The contractor shall provide all services/capabilities identified in the performance work statement (PWS) attached to this task order. All task order costs, other than those specifically included in another contract line item number (CLIN), are included in this CLIN.

All share ratios are identified as follows: Government/Contractor. The share ratios are subject to revision in accordance with the IRES Performance Evaluation and Incentive Plan (Contract Attachment J-06).

FOB: Destination

PURCHASE REQUEST NUMBER: HQ0I4786I902

TARGET COST  
 TARGET FEE  
 TOTAL TGT COST + FEE  
 MINIMUM FEE  
 MAXIMUM FEE  
 SHARE RATIO ABOVE TARGET  
 SHARE RATIO BELOW TARGET

(b)(4)

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
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1990		1	Lot		NSP
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OPTION

Data (AT1)

FFP

This Award Term Period 1 (AT1) line item is currently unexecuted. Reference the IRES PEIP (Contract Attachment J-06); a contract modification will be issued if/when the ordering period is extended under the award term. Although this is not a FAR Subpart 17.2 option line item, it is identified as an option in the contract writing system due solely to system limitations.

The contractor shall deliver all data identified in the contract data requirements lists (CDRL) attached to this task order.

Reference Section G of the basic contract. At the end of the task order period of performance, the contractor shall submit one Invoicing, Receipt, Acceptance, and Property Transfer (iRAPT) receiving report for all data previously delivered.

FOB: Destination

PURCHASE REQUEST NUMBER: HQ0147861902

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NET AMT

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1991		30	Lot		NSP
OPTION	<p>Expensed CAP Delivery (AT1) FFP This Award Term Period 1 (AT1) line item is currently unexecuted. Reference the IRES PEIP (Contract Attachment J-06); a contract modification will be issued if/when the ordering period is extended under the award term. Although this is not a FAR Subpart 17.2 option line item, it is identified as an option in the contract writing system due solely to system limitations. Delivery of expensed CAP as required by the IRES Government Property Management Task Order. NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent. FOB: Destination PURCHASE REQUEST NUMBER: HQ0147861902</p>				

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NET AMT

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
2001		(b)(4)			(b)(4)

OPTION

Services/Capabilities (AT2)  
CPIF

This Award Term Period 2 (AT2) line item is currently unexecuted. Reference the IRES PEIP (Contract Attachment J-06); a contract modification will be issued if/when the ordering period is extended under the award term. Although this is not a FAR Subpart 17.2 option line item, it is identified as an option in the contract writing system due solely to system limitations.

The contractor shall provide all services/capabilities identified in the performance work statement (PWS) attached to this task order. All task order costs, other than those specifically included in another contract line item number (CLIN), are included in this CLIN.

All share ratios are identified as follows: Government/ Contractor. The share ratios are subject to revision in accordance with the IRES Performance Evaluation and Incentive Plan (Contract Attachment J-06).

FOB: Destination

PURCHASE REQUEST NUMBER: HQ01 47861 902

TARGET COST  
TARGET FEE  
TOTAL TGT COST + FEE  
MINIMUM FEE  
MAXIMUM FEE  
SHARE RATIO ABOVE TARGET  
SHARE RATIO BELOW TARGET

(b)(4)

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
---------	-------------------	----------	------	------------	--------

2990		1	Lot		NSP
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OPTION

Data (AT 2)

FFP

This Award Term Period 2 (AT2) line item is currently unexecuted. Reference the IRES PEIP (Contract Attachment J-06); a contract modification will be issued if/when the ordering period is extended under the award term. Although this is not a FAR Subpart 17.2 option line item, it is identified as an option in the contract writing system due solely to system limitations.

The contractor shall deliver all data identified in the contract data requirements lists (CDRL) attached to this task order.

Reference Section G of the basic contract. At the end of the task order period of performance, the contractor shall submit one Invoicing, Receipt, Acceptance, and Property Transfer (iRAPT) receiving report for all data previously delivered.

FOB: Destination

PURCHASE REQUEST NUMBER: HQ0147861902

---

NET AMT

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
2991		30	Lot		NSP
OPTION	<p>Expensed CAP Delivery (AT2) FFP This Award Term Period 2 (AT2) line item is currently unexecuted. Reference the IRES PEIP (Contract Attachment J-06); a contract modification will be issued if/when the ordering period is extended under the award term. Although this is not a FAR Subpart 1 7.2 option line item, it is identified as an option in the contract writing system due solely to system limitations. Delivery of expensed CAP as required by the IRES Government Property Management Task Order. NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent. FOB: Destination PURCHASE REQUEST NUMBER: HQ0147861902</p>				

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NET AMT

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
3001		(b) (4)			(b) (4)

OPTION

Services/Capabilities (AT3)  
CPIF

This Award Term Period 3 (AT3) line item is currently unexecuted. Reference the IRES PEIP (Contract Attachment J-06); a contract modification will be issued if/when the ordering period is extended under the award term. Although this is not a FAR Subpart 17.2 option line item, it is identified as an option in the contract writing system due solely to system limitations.

The contractor shall provide all services/capabilities identified in the performance work statement (PWS) attached to this task order. All task order costs, other than those specifically included in another contract line item number (CLIN), are included in this CLIN.

All share ratios are identified as follows: Government/ Contractor. The share ratios are subject to revision in accordance with the IRES Performance Evaluation and Incentive Plan (Contract Attachment J-06).

FOB: Destination

PURCHASE REQUEST NUMBER: HQ01 47861902

TARGET COST  
TARGET FEE  
TOTAL TGT COST + FEE  
MINIMUM FEE  
MAXIMUM FEE  
SHARE RATIO ABOVE TARGET  
SHARE RATIO BELOW TARGET

(b) (4)
(b) (4)

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
---------	-------------------	----------	------	------------	--------

3990		1	Lot		NSP
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OPTION	Data (AT3) FFP This Award Term Period 3 (AT3) line item is currently unexecuted. Reference the IRES PEIP (Contract Attachment J-06); a contract modification will be issued if/when the ordering period is extended under the award term. Although this is not a FAR Subpart 17.2 option line item, it is identified as an option in the contract writing system due solely to system limitations. The contractor shall deliver all data identified in the contract data requirements lists (CDRL) attached to this task order.				
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Reference Section G of the basic contract. At the end of the task order period of performance, the contractor shall submit one Invoicing, Receipt, Acceptance, and Property Transfer (iRAPT) receiving report for all data previously delivered.

FOB: Destination  
PURCHASE REQUEST NUMBER: HQ0147861902

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NET AMT

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
3991		30	Lot		NSP
OPTION	Expensed CAP Delivery (AT3) FFP This Award Term Period 3 (AT3) line item is currently unexecuted. Reference the IRES PEIP (Contract Attachment J-06); a contract modification will be issued if/when the ordering period is extended under the award term. Although this is not a FAR Subpart 17.2 option line item, it is identified as an option in the contract writing system due solely to system limitations. Delivery of expensed CAP as required by the IRES Government Property Management Task Order. NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent. FOB: Destination PURCHASE REQUEST NUMBER: HQ0147861902				

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NET AMT

FSC CD: AC23

## INSPECTION AND ACCEPTANCE TERMS

Supplies/services will be inspected/accepted at:

CLIN	INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
0001	Origin	Government	Destination	Government
0001 01	N/A	N/A	N/A	N/A
0001 02	N/A	N/A	N/A	N/A
0001 03	N/A	N/A	N/A	N/A
0001 04	N/A	N/A	N/A	N/A
0001 05	N/A	N/A	N/A	N/A
0001 06	N/A	N/A	N/A	N/A
0001 07	N/A	N/A	N/A	N/A
0001 08	N/A	N/A	N/A	N/A
0001 09	N/A	N/A	N/A	N/A
0001 10	N/A	N/A	N/A	N/A
0001 11	N/A	N/A	N/A	N/A
0030	Origin	Government	Destination	Government
003001	N/A	N/A	N/A	N/A
0031	Origin	Government	Destination	Government
0031 01	N/A	N/A	N/A	N/A
0032	Origin	Government	Destination	Government

0990	Origin	Government	Destination	Government
0991	Destination	Government	Destination	Government
1001	Origin	Government	Destination	Government
1990	Origin	Government	Destination	Government
1991	Destination	Government	Destination	Government
2001	Origin	Government	Destination	Government
2990	Origin	Government	Destination	Government
2991	Destination	Government	Destination	Government
3001	Origin	Government	Destination	Government
3990	Origin	Government	Destination	Government
3991	Destination	Government	Destination	Government

Section F - Deliveries or Performance

DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	DODAAC / CAGE
0001	POP 05-JAN-2018 TO 04-JUL-2022	N/A	MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 FOB: Destination	HQ0796
000101	N/A	N/A	N/A	N/A
000102	N/A	N/A	N/A	N/A
000103	N/A	N/A	N/A	N/A
000104	N/A	N/A	N/A	N/A
000105	N/A	N/A	N/A	N/A
000106	N/A	N/A	N/A	N/A
000107	N/A	N/A	N/A	N/A
000108	N/A	N/A	N/A	N/A
000109	N/A	N/A	N/A	N/A
000110	N/A	N/A	N/A	N/A
000111	N/A	N/A	N/A	N/A
0030	POP 05-MAR-2018 TO 30-SEP-2018	N/A	MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 FOB: Destination	HQ0796
003001	N/A	N/A	N/A	N/A
0031	POP 01-OCT-2018 TO 30-SEP-2019	N/A	MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 FOB: Destination	HQ0796

0031 01	N/A	N/A	N/A	N/A
0032	POP 01-OCT-2019 TO 30-SEP-2020	N/A	MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 FOB: Destination	HQ0796
0990	POP 05-JAN-2018 TO 04-JUL-2022	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796
0991	POP 05-JAN-2018 TO 04-JUL-2022	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796
1001	POP 05-JUL-2022 TO 04-JUL-2023	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796
1990	POP 05-JUL-2022 TO 04-JUL-2023	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796
1991	POP 05-JUL-2022 TO 04-JUL-2023	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796
2001	POP 05-JUL-2023 TO 04-JUL-2024	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796
2990	POP 05-JUL-2023 TO 04-JUL-2024	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796
2991	POP 05-JUL-2023 TO 04-JUL-2024	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796
3001	POP 05-JUL-2024 TO 04-JUL-2025	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796
3990	POP 05-JUL-2024 TO 04-JUL-2025	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796
3991	POP 05-JUL-2024 TO 04-JUL-2025	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796

Section G - Contract Administration Data

ACCOUNTING AND APPROPRIATION DATA

AA: 044411 097 0400 000 N 20182019 D 2520 X L SD22P F Y 18 AMOUNT: (b)(4)	IC-EI01-FY1819	71IC	255
AB: 044411 097 0400 000 N 20182019 D 2520 X L SD22P F Y 18 AMOUNT: (b)(4)	IC-EI02-FY1819	71IC	255
AC: 044411 097 0400 000 N 20182019 D 2520 X L SD22P F Y 18 AMOUNT: (b)(4)	IC-EI03-FY1819	71IC	255
AD: 044411 097 0400 000 N 20182019 D 2520 X L SD22P F Y 18 AMOUNT: (b)(4)	IC-EI04-FY1819	71IC	255
AE: 044411 097 0400 000 N 20182019 D 2520 X L SD22P F Y 18 AMOUNT: (b)(4)	IC-II04-FY1819	71IC	255
AG: 044411 097 0400 000 N 20182019 D 2520 X L SD22P F Y 18 AMOUNT: (b)(4)	IC-FI02-FY1819	71IC	255
AH: 044411 097 0400 000 N 20192020 D 2500 X L SD22P F Y 19 AMOUNT: (b)(4)	IC-EI04-FY1920	71IC	255
AJ: 044411 097 0400 000 N 20192020 D 2500 X L SD22P F Y 19 AMOUNT: (b)(4)	IC-EI03-FY1920	71IC	255
AK: 044411 097 0400 000 N 20192020 D 2500 X L SD22P F Y 19 AMOUNT: (b)(4)	IC-EI02-FY1920	71IC	255
AL: 044411 097 0400 000 N 20192020 D 2500 X L SD22P F Y 19 AMOUNT: (b)(4)	IC-EI01-FY1920	71IC	255

ACRN	CLIN/SLIN	CIN	AMOUNT
AA	000101	HQ0147861902000101	(b)(4)
	003001	HQ0147861902003001	
AB	000102	HQ0147861902000102	
AC	000103	HQ0147861902000103	
AD	000104	HQ0147861902000104	
	000105	HQ0147861902000105	
AF	000107	HQ0147861902000107	
AG	000106	HQ0147861902000106	
AH	000111	HQ01479677130004	
	003101	HQ01479677130005	
AJ	000108	HQ01479677130003	
AK	000109	HQ01479677130002	
AL	000110	HQ01479677130001	

CLAUSES INCORPORATED BY FULL TEXT

DFAS Payment Instructions

The payment office shall allocate and record the amounts paid to the accounting classification citations in the contract based on the type of payment request submitted (see DFARS 252.232-7006) and the type of effort using the table found at [https://www.acq.osd.mil/dpap/dars/pgi/pgi.htm/current/PGI204\\_71.htm#payment\\_instructions](https://www.acq.osd.mil/dpap/dars/pgi/pgi.htm/current/PGI204_71.htm#payment_instructions).

#### PAYMENT INFO FOR CONTRACTOR

##### Billing Instructions and Payment Information for the Contractor:

Payments for CLIN 0001 will be made in accordance with FAR 52.216-7, Allowable Cost and Payment. Payments and the fee payable under the task order are subject to adjustments in accordance with FAR 52.216.10, Incentive Fee, and performance assessments conducted in accordance with the IRES Performance Evaluation and Incentive Plan (Attachment J-06).

Billing and payments for CLIN 0030 will be made in accordance with the IRES Performance Evaluation and Incentive Plan (PEIP) (Contract Attachment J-06).

All task order CLINs are combined and considered a single entity for the purpose of administering the cost and performance incentives identified in the IRES PEIP (Contract Attachment J-06).

WAWF email notifications. In accordance with 252.232-7006, the Contractor shall enter the following email addresses in the "Send Additional Email Notifications" field of WAWF once a document is submitted in the system:

CLIN 0991: (b)(6)@mda.mil (b)(6)@mda.mil

#### LIMITATION OF FUNDS ALLOTMENT

In accordance with paragraph (b) of FAR 52.232-22, Limitation of Funds, the amount presently available and allotted for payment, the contract line item numbers (CLINs) items covered, and the period of performance (PoP) it is estimated the allotted amount will cover, are as follows:

CLIN	Cost	Target Fee	Total	Est. Funding PoP
0001	(b)(4)			5 Mar 2018 – 31 Oct 2019
0030				Fully Funded (based on the award fee earned)
0031				Fully Funded
Total				

\* Because the contract writing system does not support multiple incentive arrangements on the same CLIN or \$0 in costs on a CPAF CLIN, the award fee associated with CLIN 0001 is identified as "cost" in a cost-reimbursement (no fee) CLIN. The contractor shall not submit a voucher for the award fee earned until specifically authorized by the contracting officer.

Section I - Contract Clauses

CLAUSES INCORPORATED BY REFERENCE

52.232-22	Limitation Of Funds
252.21 F7003	Item Unique Identification and Valuation

APR 1984  
MAR 2016

Section J - List of Documents, Exhibits and Other Attachments

Exhibit/Attachment Table of Contents

DOCUMENT TYPE	DESCRIPTION	PAGES	DATE
Attachment 1	18F8002 PWS Rev F	42	22-MAR-2019

Contract: HQ079617D0001

Order: HQ079618F8002



# IRES

Integrated Research & Development for  
Enterprise Solutions

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Order Number: HQ079618F8002

## IRES Systems Engineering and Program Integration (SEPI) Performance Work Statement, Rev F

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Period of Performance:

Base: January 5, 2018 – July 4, 2022

Award Term 1: July 5, 2022 – July 4, 2023

Award Term 2: July 5, 2023 – July 4, 2024

Award Term 3: July 5, 2024 – July 4, 2025

Contract: HQ079617D0001

Order: HQ079618F8002

## ***Change History***

<b>Version</b>	<b>Date</b>	<b>Mod #</b>	<b>Changes</b>
Original	Sep 21, 2016	RFP	
Rev A	Nov 28, 2017	Award	<ul style="list-style-type: none"><li>• Added task order number.</li><li>• Removed content prior to the cover page.</li><li>• Added period of performance to the cover page.</li><li>• Added Change History chart.</li><li>• Added CLIN Structure chart.</li><li>• Added language to 6.0 to clarify CDRL delivery dates (due to early start of this task order prior to the end of the transition period).</li><li>• Added language to 11.0 to clarify the effective date of service summary items (due to early start of this task order prior to the end of the transition period).</li><li>• Appended Contractor's Performance Work Statement.</li><li>• Appended Task Order Award Fee Table.</li></ul>
Rev B	Feb 05, 2018	P00003	<ul style="list-style-type: none"><li>• Appended Task Order Award Fee Table as Enclosure 1.</li><li>• Merged the RFP SOO with the proposed Contractor Performance Work Statement (CPWS) to develop the PWS.<ul style="list-style-type: none"><li>○ SOO Section 5.0 deleted; sections following Section 5.0 renumbered.</li></ul></li><li>• CPWS Sections 1.0, 2.0, 3.0 and 4.0 deleted. CPWS Section 5.0 moved to PWS Section 10.0; all paragraphs renumbered. All references to the SOO deleted. All references to Jacobs Team SEPI Objectives deleted.</li><li>○ SOO Section 4.0 (SSIs) merged with CPWS Section 7.0 (SSIs) into PWS Section 4.0.</li><li>• SOO Section 6.0 (CDRLs) merged with CPWS Section 6.0 (CDRLs) into PWS Section 6.0.</li><li>• CDRLs<ul style="list-style-type: none"><li>• Header information and distribution instructions updated on all CDRLs.</li><li>○ Added specific delivery dates to block 12.</li><li>○ Revised CDRLs: C001, C002, C006, C009, C010, C013, C016 and C027.</li><li>• Added CDRLs C030 (Cost Data Summary Report (DD Form 1921)) and C031 (Contractor Business Data Report (DD Form 1921-3. Note: These reports had previously been delivered under C009.</li></ul></li></ul>

Contract: HQ079617D0001

Order: HQ079618F8002

Version	Date	Mod #	Changes
			<ul style="list-style-type: none"><li>• Added CDRL TBD (§10.6).</li><li>• Added CDRL C032 – Software Accountability Report (§10.2.4).</li><li>• PWS revised:<ul style="list-style-type: none"><li>• 10.2.3: revised to include delivery of Sustainability Metrics (DAL item).</li><li>• 10.3.1: revised to include a Configuration Management Maturity Assessment to document the current state of the documentation.</li><li>○ 10.3.4: revised to include Event Coordinators to comply with procedure 480.</li><li>• 10.6: Enterprise Architecture added.</li></ul></li></ul>
Rev C	May 08, 2018	P00004	<ul style="list-style-type: none"><li>• CDRLs<ul style="list-style-type: none"><li>• C003 - content modified.</li><li>○ C006 - corrected fire alarm submission requirements.</li><li>• C033 - corrected date of first submission.</li><li>• C034 – added.</li></ul></li><li>• SSI Table - modified SSI 5 to 9, added SSI 10.</li><li>• Updated Section 5.1 to reflect new task numbering.</li><li>• Updated Section 7.0.</li><li>• PWS revised:<ul style="list-style-type: none"><li>○ Included “standardized Section 10.1” Task Order Administration.</li><li>○ Tasks realigned and regrouped to better reflect how work is actually accomplished.</li><li>○ SSI Performance Thresholds removed— duplication of QASP content.</li></ul></li></ul>
Rev D	Jul 2, 2018	P00005	<ul style="list-style-type: none"><li>• Incorporate Award Fee Plan Revision 1<ul style="list-style-type: none"><li>• Replace the Award Fee Table with the entire Award Fee Plan.</li><li>○ Return to the criteria as originally solicited and awarded by removing the unintentional changes included in PWS Rev B.</li><li>○ Incorporate administrative changes.</li></ul></li><li>• Incorporate administrative changes to the PWS.</li></ul>
25Rev E	Oct 1, 2018	P00007	<ul style="list-style-type: none"><li>• Incorporate Award Fee Plan Revision 1.<ul style="list-style-type: none"><li>○ See the Change History section of the Award Fee Plan for the summary of significant changes.</li><li>• Note: PWS Revision D also incorporated an Award Fee Plan marked as Revision 1. That version of Revision 1 was administrative in nature and was created to incorporate into the</li></ul></li></ul>

Contract: HQ079617D0001

Order: HQ079618F8002

Version	Date	Mod #	Changes
			task order the entire IRES Systems Engineering and Program Integration (SEPI) Award Fee Plan (as originally awarded) in place of just the award fee criteria. When obtaining the Fee Determining Official's (FDO) approval for plan updates associated with Evaluation Period 2, the "Revision 1" label was mistakenly duplicated. Since the reference to Award Fee Plan Revision 1 is also in the Evaluation Period 2 expectations letter, correction of the revision number was not sought.
Rev F	Mar 22, 2019	P00010	<ul style="list-style-type: none"><li>• Tasks 2.0, 3.0, 4.0, 6.0. Multiple administrative changes to update and clarify.</li><li>• Tasks 5.1 and 10.9.2. Add CDRL C035, Mission Assurance Plan in consideration for extending the PWS 10.9.4 milestone to achieve and demonstrate compliance with SAE AS9100D.</li><li>• Task 5.1. Clarification of delivery dates on CDRLs and multiple administrative changes to ensure standardization across all CDRLs.</li><li>• Task 5.2. Replaced existing Exhibit C with new Exhibit C.</li><li>• Task 10.6.1. Clarification of the content of the Program Review CDRL.</li><li>• Task 10.6.2.3. Clarification of eCMRA requirements.</li><li>• Task 10.6.3. Multiple clarification and administrative changes.</li><li>• Task 10.6.4. Added additional requirement in consideration of the government's deletion of the VPP requirement from task 10.6.5.</li></ul>

Contract: HQ079617D0001

Order: HQ079618F8002

### ***CLIN Structure***

<b>CLIN</b>	<b>Supplies / Services</b>	<b>Type</b>
0001	Services/Capabilities (Base)	CPIF
0030	Award Fee Period 1 (Base)	Cost
0031	Award Fee Period 2 (Base)	Cost
0032	Award Fee Period 3 (Base)	Cost
0990	Data (Base)	NSP
0991	Expensed CAP Delivery (Base)	NSP
1001	Services/Capabilities (Award Term (AT) 1)	CPIF
1990	Data (AT1)	NSP
1991	Expensed CAP Delivery (AT1)	NSP
2001	Services/Capabilities (AT2)	CPIF
2990	Data (AT2)	NSP
2991	Expensed CAP Delivery (AT2)	NSP
3001	Services/Capabilities (Award Term (AT) 3)	CPIF
3990	Data (AT3)	NSP
3991	Expensed CAP Delivery (AT3)	NSP

Contract: HQ079617D0001

Order: HQ079618F8002

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## ***IRES Systems Engineering and Program Integration (SEPI)***

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### **1.0 Vision and Purpose Statement**

#### **1.1 Vision**

Effective systems engineering and program integration that results in a consistent requirements execution methodology and increased mission assurance at reduced program costs. Innovative solutions are desired, but not at the expense of mission success.

#### **1.2 Purpose**

Task orders issued under the IRES program are dependent, either wholly or partially, on one another. It is the responsibility of this task order to provide efficient and effective systems engineering processes to deliver integrated solutions across all stakeholders utilizing this contract to execute requirements.

### **2.0 Background**

Task orders issued on the legacy contract, Joint National Integration Center Research and Development Contract (JRDC), that are considered predecessor task orders to this performance work statement (PWS) include:

- 8001, Program Execution & Systems Engineering
- 8003, Facility Support, Task B.4
- 6001, Program Execution & Engineering
- 6003, Facility Support, Task B.4
- 5002, Management and Integration
- 5001, Engineering
- 5003, Facility Support, Task H.4
- 4002, Management and Integration
- 4001, Engineering
- 3002, Management and Integration
- 3001, Engineering
- 2002, Management and Integration

### **3.0 Scope**

The purpose of this task order is to protect Ballistic Missile Defense System (BMDS) baseline integrity while supporting the successful technical execution of all Missile Defense Agency (MDA) events and mission activities performed under the IRES contract.

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#### **4.0 Service Summary Items**

In accordance with the IRES Performance Evaluation and Incentive Plan, Service Summary Items (SSIs) 1 through 4 are common [required] on all task orders and will be assessed at the contract level.

SSI 5 through  $n$  [Technical Performance] captures the specific task order Service Summary Items deemed essential to successful execution of the task order. Exhibit 1 defines the SSIs applicable to this task order.

SSI's 5-10 will be measured on a monthly basis and scores annotated in the QASP Performance Report (QPR). They will be scored every six months, aligning with the PRB evaluation periods, as annotated in the IRES Performance Evaluation and Incentive Plan.

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***Exhibit 1. SSIs and Weights Applicable to This Task Order [All SSIs are effective on March 5, 2018]***

SSI#	Title	Description	Performance Threshold UNACCEPTABLE	Performance Threshold ACCEPTABLE	Performance Threshold OBJECTIVE	Weight	Assessment Method
SSI1	(b)(4)						
SSI4							
SSI5							
SSI6							
SSI7							

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SSI#	Title	Description	Performance Threshold UNACCEPABLE	Performance Threshold ACCEPTABLE	Performance Threshold OBJECTIVE	Weight	Assessment Method
SSI 8	(b)(4)						
SSI 9							

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SSI#	Title	Description	Performance Threshold UNACCEPABLE	Performance Threshold ACCEPTABLE	Performance Threshold OBJECTIVE	Weight	Assessment Method
SSI 10	(b)(4)						

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## 5.0 Contract Deliverable Requirements List (CDRL)

The point of delivery for all CDRL products, except as noted in Exhibit C, is the MDA E-CaRT system. The Contractor shall deliver all such products by saving and profiling them in E-CaRT, with the appropriate notification of delivery letter transmitted electronically to the Government's Data Management Office. Reference Exhibit C for specific CDRL delivery instructions. Days after contract award (DAC) for CDRL C017 is January 5, 2018. For all other CDRLs, DAC is March 5, 2018 where CDRL block 12 states "X DAC."

### 5.1 CDRL Identification

Task	CDRL	DID	Title	Description
10.1.1.1	C001	DI-MGMT-81861A/T	18F8002: Integrated Program Management Report	Contains data for measuring cost and schedule performance. The IPMR is structured around seven formats that contain the content and relationships required for the electronic submissions.
	C002	RESERVED		
10.1.1.1	C003	DI-MISC-80508B/T	18F8002: SEPITask Order Status Report	Provides significant accomplishments, issues, concerns, lessons learned, and risks associated with the task order.
10.8.2	C004	DI-MISC-80508B/T	Event Package: [Insert Event Name]	Event packages provide situational awareness of events participated in or conducted by the IRES contractor.
10.7.1	C005	DI-SESS-81785	Systems Engineering Management Plan (SEMP)	Defines the technical approach and proposed plan for the conduct, management, and control of the integrated activities performed under the contract.
10.6.5	C006	DI-SAFT-81563/T	Accident / Incident Report	Provides information/ situational awareness of accidents / incidents occurring at the MDIOC.
10.6.5	C007	DI-MISC-80508B/T	Chemical Inventory and Hazardous Material Usage Report	Identifies and provides the location, quantity and status (e.g., used, depleted, destroyed) of all chemicals and/or hazardous material in the inventory or acquired for use on Schriever AFB to ensure compliance with federal, state, and local regulations.
10.7.2	C008	DI-MGMT-80004/T	IRES Program Management Plan	Defines the contractor's organization, assignment of functions, duties, and responsibilities, management procedures and policies, and reporting requirements for the conduct of contractually-imposed tasks, projects, or programs.
10.6.2.3	C009	DI-MGMT-81334D	IRES Contract Work Breakdown Structure (CBWS)	CWBS using the latest version of MIL-STD-881 as a guide.
10.6.2.3	C010	DI-MGMT-81468	IRES Contract Funds Status Report (CFSR)	Provides funding data about task orders for the purpose of: (a) updating and forecasting contract funds requirements, (b) planning and decision making on funding changes to contracts, (c) developing funds requirements and budget estimates in support of approved programs, (d) determining funds in excess of contract needs and available for de-obligation, and (e) obtaining rough estimates of termination costs.
10.6.2.3	C011	DI-FNCL-81566C	IRES Functional Cost-Hour Report DD Form 1921-1	Identifies funding source, contracting vehicle, organization supported, mission and function performed, and labor hours and costs for contracted efforts providing services to the MDA. Required for prime and all subcontractors.
10.6.2.3	C012	DI-MGMT-82041A	Small Business Utilization Report	Provides actual achievements relative to the utilization goals in the Small Business Participation and Commitment Plan and the results of the Contractor's efforts to achieve other Plan objectives.

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Task	CDRL	DID	Title	Description
10.6.2.3	C013	DI-MGMT-81861A/T	Contract Integrated Program Management Report	The IPMR contains data for measuring cost and schedule performance. The IPMR is structured around seven formats that contain the content and relationships required for the electronic submissions.
10.6.1	C014	DI-MISC-80508B/T	IRES Program Review, [Quarter ending]	The results of the quarterly Program Review--contract status, accomplishments, and issues.
10.6.2.3	C015	DI-MGMT-81453A	Data Accession List (DAL)	Provides a medium for identifying contractor internal data which has been generated by the contractor in compliance with the work effort described in the Statement of Work (SOW). The DAL is an index of the generated data that is made available upon request.
10.7.3	C016	DI-MISC-80508B/T	IRES Cybersecurity Risk Management Plan	Cybersecurity Risk Management Plan that includes threat analysis, system exposure to threats, integration of Cybersecurity risk management with other systems engineering process areas, and Cybersecurity risk mitigation.
10.6.2.4	C017	DI-MISC-80508B/T	IRES Cybersecurity Controls Statement of Compliance	Statement of compliance that specify the contractor's policies, procedures and standards for protecting CUI from unauthorized access from both internal and external sources.
10.6.2.4	C018	DI-MISC-80508B/T	[Enter Company Name, Report#]: Cyber Incident or Compromise Report(s)	Contractor shall report as much of the information defined in DFARS Clause 252.204-7012 (d)(1) as can be obtained within 72 hours of any reportable cybersecurity incident..
10.6.2.4	C019	DI-MISC-80508B/T	IRES Cybersecurity Workforce Management Report	This CDRL reports the status of IRES contractors performing Cybersecurity functions in order to verify compliance with guidelines found in DOD 8570.01-M
10.7.4	C020	DI-CIC-81794	IRES Quality Assurance Program Plan	Defines the quality assurance program and the methods, procedures, and controls employed for effective mission assurance.
10.7.5	C021	DI-MGMT-81808	IRES Risk Management Plan	Defines the process to monitor management, cost and schedule of the contract efforts relative to a system and equipment. This information will provide the government with risk data for all risks associated with the system/ equipment.
10.7.6	C022	DI-CMAN-80858B	IRES Configuration Management Plan	Defines the configuration management program and the methods, procedures, and controls used for effective configuration identification, change control, status accounting, and audits of the total configuration, including hardware, software and firmware.
10.7.7	C023	DI-MISC-80508B/T	IRES Environmental Program Plan	Defines the procedures and process to ensure compliance with the federal state and local laws, regulations, and programs.
10.7.8	C024	DI-MISC-80508B/T	IRES Mishap Prevention and Safety Plan	Provides the framework in which the MDIOC conducts its mission in a healthy and safe manner.
10.7.9	C025	DI-MISC-80508B/T	IRES MDIOC Facility Evacuation Plan	Provides the procedures for a safe, orderly and thorough evacuation of the MDIOC workforce.
10.6.2.5	C026	DI-MISC-80508B/T	[Enter Task Order #]: Task Order Close-Out Report	Provides a summary of the activities / accomplishments of each task order.
	C027	RESERVED		
10.6.3	C028	DI-MISC-80508B/T	IRES Program Information Management System Documentation	Provides a description, user documentation and source code (if applicable) of the contractors' program information management system employed to track CDRLs and DALs.
10.10	C029	DI-MISC-80508B/T	IRES Program Phase-Out Plan	Describe activities necessary to successfully and efficiently transition the IRES contract to the follow-on contract. Lessons learned during the IRES Transition Task Order should be addressed.

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Task	CDRL	DID	Title	Description
10.6.2.3	C030	DI-FNCL-81565C	IRES Cost Data Summary Report DD Form 1921	Identifies direct and indirect actual cost data on both a recurring and nonrecurring basis..
10.6.2.3	C031	DI-FNCL-81765B	IRES Contractor Cost Data Reporting (CCDR) Form 1921-3	Identifies direct and indirect actual cost data on Government contracts..
10.6.2.3	C032	DI-MISC-80508B/T	IRES Software Accountability Report	Report data elements required by DoD 5000.76.
10.8.4	C033	DI-MISC-80508B	IRES Configuration Management Maturity Assessment	Assesses the current state of the MDIOC Configuration documentation and provides a roadmap for future efforts.
10.9.4	C034	DI-SESS-80255A/T	IRES Failure Summary and Analysis Report: [insert report number:] [insert system]	Provides the framework for reporting investigation results into process escapes or technical incidents impacting MDA daily operations or test/event planning and/or execution.
10.9.2	C035	DI-MISC-80508B/T	Mission Assurance Plan	Overarching approach to effectively execute mission assurance across multiple mission areas and identify source documents that support the various provision areas of the MDA Assurance Plan that are applicable at the MDIOC.

## 5.2 CDRL Tailoring

Reference Task Order HQ079618F8002 Exhibit C



18F8002 Exhibit  
C.pdf

## 6.0 Milestones

Task	Activity	Date / Days After Contract (DAC)
10.1.1.1	Integrated Baseline Review	180 DAC
10.6.1	Program Reviews	Quarterly

Note: DAC = Days after task order period of performance start date

## 7.0 Government Property (GP) / Government Furnished Property (GFP) / Government Furnished Information (GFI) / Contractor Acquired Property (CAP)

7.1 In addition to the any GP associated with IRES Contract SOO, paragraph 6.0, the following GP is applicable to this task order:

- None

7.2 In addition to the GFP identified on IRES Contract Attachment 5, the following GFP is applicable to this task order:

- None

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7.3 The following GFI is applicable to this task order:

- CMDB/Remedy assets associated with this task order
- MDA approved SW List 20151207 (Bidders' Library)

7.4 All CAP shall be managed under the terms and conditions associated with task order 18F8900 – Government Property Management task order.

## **8.0 Special Requirements**

In addition to the Special Requirements identified in IRES Contract SOO, paragraph 7.0, the following are applicable to this task order:

- None

## **9.0 Applicable Directives / Regulations**

In addition to the directives and regulations identified in RFP Attachment J-07, the following are applicable to this task order:

- CFR, Title 29, Subtitle B, Chapter XVII Part 1910.1200, Hazard Communication Program
- 50<sup>th</sup> Space Wing Instruction 32-2001, Emergency Services

## **10.0 Performance Requirements**

### **10.1 Task Order Administration**

This Performance Work Statement element represents the work required to administer the task order.

#### **10.1.1 Task Order Management**

This PWS element represents the work specifically required to support the management of requirements of the 8002 task order, which includes all reporting, briefings, awards, modifications, SSIs, etc.

##### **10.1.1.1 Stakeholder Technical Integration Management (STIM) and Systems Engineering and Integration (SEI) Management**

Objective #1: The contractor shall provide the resources and information to communicate and manage task order performance.

Outcomes:

- Provide a single POC responsible for managing the cost, schedule, risk, and technical performance of the task order
- Provide a single POC to serve as a liaison to the COTR or Assistant COTR (ACOTR) who is responsible for providing insight on task order performance
- Develop an 8002 task order schedule which aligns with Integrated Program Management Report (IPMR) requirements
- Task order activities are managed in accordance with the Program Management Plan

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- All task order requirements are identified, managed, validated, and verified in accordance with the Systems Engineering Management Plan

Objective #2: The contractor shall provide task order reporting to accurately monitor status in accordance with DD Form 1423 and milestone requirements.

Outcomes:

- The task order Integrated Program Management Report (IPMR) is delivered per DD Form 1423 requirements
- A task order Integrated Baseline Review is performed within 180 days of task order award
- Task order status (e.g., technical, cost, schedule) is reported to the COTR on a monthly basis in via the Task Order Status Review
- Task order status includes cost and schedule performance by WBS and IRES organization structure; significant accomplishments; customer concerns or issues; task order risks and mitigation status; performance against the IRES contract, and task order SSIs; Earned Value Management (EVM) data; achievements relative to the utilization goals in the contractor's Small Business Participation and Commitment Plan; quality assurance reviews, audit results, and non-conformance finding closure reports; and safety information
- Task order performance trends are identified, tracked and shared with the COTR, ACOTR, and applicable government stakeholders

Deliverables		
Deliverable	Initial Delivery	Frequency
Initial Baseline Review	180 DAC	As Required
(C001) 18F8002: Integrated Program Management Report	Per DD Form 1423	Per DD Form 1423
(C003) 18F8002: Task Order Status Review	120 DAC	Per DD Form 1423
8002 Task Order Schedule	180 DAC	Monthly

#### 10.1.1.2 Responsible Organization Management

Objective #1: The contractor shall provide qualified personnel and manage personnel issues to perform 8002 task order activities.

Outcomes:

- The workforce is managed efficiently, mitigating workforce surge and drawdown impacts, analyzing workforce trends, and forecasting workforce needs
- A trained and qualified workforce is maintained that is able to perform the functions necessary to deliver scope of this task order

Objective #2: The contractor shall maintain accountability of all 8002 task order property under its control and provide reporting to ensure government situational awareness of property status.

Outcomes:

- The contractor shall submit a Material Inspection and Receiving Report as required by DFARS 252.246-7000 for the delivery of all CAP classified as Equipment, Special Test Equipment, and Special Tooling by using the Invoicing, Receipt, Acceptance, and

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Property Transfer (iRAPT) application in the Wide Area Workflow (WAWF) e-Business Suite in accordance with the instructions provided in the CLIN 7991

Deliverables		
Deliverable	Initial Delivery	Frequency
Material Inspection and Receiving Report	As Required	As Required

#### 10.1.1.3 Administrative Support

Objective #1: The contractor shall provide resources to manage the contractual requirements, and provide financial oversight and performance tracking for the 8002 task order.

Outcomes:

- Task order financial management activities ensure that task order reporting, including EVM reporting, accurately reflect the current state of task order financial performance and status
- Task order contractual deliverables are provided within the agreed to schedule, in the correct formats and to a high level of quality

#### 10.1.2 Enterprise Task Order Support

This PWS element represents the work of enterprise support to the task order's work and resources.

##### 10.1.2.1 Enterprise Management

Objective #1: The contractor shall provide the resources and data to enable enterprise management of this task order for human resources, business/finance, and JEMS in support of integration.

Outcomes:

- MDA customers and stakeholders have on-demand access to a task order status report dashboard
- Task order export control requirements are managed to comply with DoD and MDA requirements, including International Traffic in Arms Regulations (ITAR) (22 CFR 120-130) and Technical Assistance Agreements processes as required

Deliverables		
Deliverable	Initial Delivery	Frequency
Export control documents	As Required	As Required
Task order status via JEMS enabled dashboard	180 days after JEMS IOC	N/A

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#### 10.1.2.2 Mission and Performance Assurance

Objective #1: The contractor shall ensure the products and services provided under this task order utilize established practices that are standardized across the IRES contract in support of the MDA mission.

Outcomes:

- Systems integration requirements and capabilities gaps, lessons learned, and a common MDIOC system vision are integrated enterprise-wide
- Support MDA mission asset management, to include providing conflict forecasting and de-confliction data/information, across the IRES enterprise

Objective #2: The contractor shall track, manage and report on task order performance measures, including metrics, lessons learned and accomplishments.

Outcomes:

- Based on task order performance trends, periodic audits of task estimates are performed, task order risks are tracked, and schedule accuracy is evaluated
- All task order CDRLs are delivered on time and with accurate information
- Customer satisfaction with the services and products delivered is solicited and tracked
- Task order performance is continuously evaluated and improved using objective performance measures
- Task order lessons learned, best practices, and accomplishments are collected and shared with the COTR, ACOTR, other government stakeholders, and IRES workforce

Objective #3: The contractor shall provide information security, physical security, export control and cybersecurity training and processes in accordance with federal, DoD and agency requirements to safeguard the conduct of the MDA mission through the IRES contract.

Outcomes:

- MDA-identified Critical Program Information (CPI) and Critical Technologies (CT) are protected to the standards required in DoDI 5200.39
- Task order cybersecurity risks are managed in accordance with the Cybersecurity Risk Management Plan
- All Controlled Unclassified Information is protected from unauthorized access, disclosure, incident, or compromise
- All contractor-managed task order systems maintain system authorization in accordance with DoDI 8510.01, Risk Management Framework
- Cybersecurity requirements and considerations are integrated into systems engineering, design, and risk management processes
- All contractor-managed task order systems are operated in accordance with cybersecurity requirements
- Security administration is provided to comply with applicable DoD, MDA, and local security directives, policies, procedures, and instructions for physical security and for the safeguarding of BMDS controlled and classified information, to include proper document marking, classification, storage, accountability, transmittal, and destruction

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- Personnel requiring privileged access maintain appropriate computing environment certifications for the operating system(s) and/or security related tools/devices they support or operate

### 10.1.3 Task Order Award and Modification

Objective #1: The contractor shall provide the resources and data to provide timely and accurate proposals to government requirements for proposal and other contract modification actions.

Deliverables		
Deliverable	Initial Delivery	Frequency
Proposal documents	As Required	As Required

10.2 Reserved

10.3 Reserved

10.4 Reserved

10.5 Reserved

### 10.6 Program Integration

Program integration provides for the planning, coordination, technical direction, surveillance, and reporting of the activities necessary to assure disciplined work performance and timely resource application to accomplish all task orders issued under the IRES contract.

Program integration also assures the technical excellence, cost effectiveness, non-duplication of services, and timeliness of all ordered (procured) work and deliverable products/services. The driving requirement is coordinated, cost effective contract execution with unity of effort supported by shared situational awareness.

#### 10.6.1 IRES Program Management

Objective #1: The contractor shall provide the resources and information to integrate, communicate, and manage performance of all task orders issued under the IRES contract.

Outcomes:

- The contractor shall provide a Program Manager who is the single representative to the MDA for the IRES enterprise and who will act on behalf of the entire contractor team
- The contractor's Program Manager shall have local autonomy and full authority to commit the corporate resources of the entire contractor team as needed to respond to the MDA's dynamic operational environment
- The contractor shall perform all management functions required to ensure proactive and sustained operational excellence in providing accurate, safe, secure, timely, and efficient systems engineering and program integration to meet the government's objectives
- The contractor shall assign senior leaders as process owners and Key approach champions to promote accountability and ensure the disciplined and cost-effective use and continual improvement of the contractor's processes and key approaches

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- The contractor shall perform quarterly Program Reviews with the government to review status, accomplishments, and issues to promote full and transparent communications (C014)
- The contractor shall perform Program Integration (PI) to provide the planning, coordination, technical direction, and surveillance of activities necessary to assure disciplined work performance and timely resource application to accomplish all task orders issued under the IRES contract
- The contractor shall ensure the technical excellence, cost-effectiveness, non-duplication of services, and timeliness of all ordered work and deliverable products/services
- The contractor shall deliver an organizational approach that ensures agility and responsiveness, while optimizing resources and maximizing the depth and breadth of capabilities across the contractor's team
- The contractor shall deliver a methodology for meaningful technical interchange by discipline area to ensure commonality in IRES management system procedures and discipline specific collaboration
- The contractor shall define internal stakeholder groups to perform tactical and strategic reviews of project, event, task order, and enterprise status; establish priorities; and perform de-confliction of assets and resources
- The contractor shall balance risks and opportunities with clear intent to adjust processes and resources to achieve mission success
- The contractor shall implement PI elements to ensure the vertical integration of people, processes, and tools that will produce innovative and efficient IRES products
- The contractor shall implement its Jacobs Network of Engineering and Technical Subject Matter Experts (JNETS) approach to provide access to specialized skills for niche requirements
- The contractor shall implement a process to identify potential Small Business (SB) specialty subcontractors for inclusion within its JNETS approach to grow IRES SB participation
- 

Deliverables		
Deliverable	Initial Delivery	Frequency
(C014) IRES Program Review	Per DD Form 1423	Per DD Form 1423

## 10.6.2 Manage Execution of Integrated Programs

### 10.6.2.1 Process Management/Innovation

Objective #1: The contractor shall provide the resources and information to integrate, communicate, and manage contract performance.

Outcomes:

- The contractor shall evaluate organizational approaches across task orders and assess available emerging technology from a task order perspective to drive integration across the contract

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- The contractor shall provide vertical integration of reports and enterprise plans to ensure contractor leadership and MDA customers are able to make decisions using reliable data that comes directly from those executing the work
- The management system shall define the processes, policies, supporting procedures, work instructions, and metrics applicable to the execution of all IRES contract task orders in a searchable, configuration-controlled environment
- The contractor shall develop, standardize, and deploy processes for event management, mission assurance, configuration management, mission support, systems integration, and analysis
- The contractor shall provide Mission Assurance processes that are based on the contractor's SE model, as directed through the SEMP, ensuring integrated and repeatable execution of mission assurance functions

#### 10.6.2.2 Culture of Innovation and Continuous Improvement

Objective #1: The contractor shall instill within the workforce a climate that rewards efforts to meet MDA priorities and goals in an efficient and timely manner.

Outcomes:

- The contractor shall provide an enterprise level owner to implement the tools, training, and processes to foster a culture of innovation and excellence among the IRES workforce
- The contractor shall regularly review innovative solutions, new technologies, and continuous process improvement feedback from the workforce at the enterprise level
- The contractor shall review performance measurement trends and develop a path forward to address issues and implement innovative ideas and tools into the IRES program
- The contractor shall implement its Jacobs Culture of Caring (JCC) approach, including its BeyondZero® safety program, to build safety, environmental protection, and continuous improvement into all IRES tasks
- The contractor shall use employee feedback and ideas to continually improve relevant processes and eliminate processes or process steps that no longer add value

#### 10.6.2.3 Business Operations Planning and Reporting

Objective #1: The contractor shall provide regular and transparent feedback on the status of all contract activities.

Outcomes:

- The contractor shall implement the cost reporting requirements in accordance with the guidelines of DoD 5000.04-M-1 and the government-approved Cost and Software Data Reporting (CSDR) plan for the contract. This includes the delivery of the DD Form 1921, 1921-1, 1921-3, and a CWBS. (CDRLs C009, C011, C030, C031)
- The CWBS shall efficiently support the tenants of MIL-STD-881C
- The CWBS shall be structured to allow workforce capacity to be reviewed and optimized for effective performance
- The CWBS shall provide the ability to account for work performed under each high level objective, each product/project, and the business base performing the work
- The contractor shall deliver a Contract Funds Status Report (CFSR) providing funding data about task orders for the purpose of: (1) updating and forecasting contract funds

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requirements, (2) planning and decision making on funding changes to contracts, (3) developing funds requirements and budget estimates in support of approved programs, (4) determining funds in excess of contract needs and available for de-obligation, and (5) obtaining rough estimates of termination costs

- The contractor shall automate the production of the CFSR from internal contractor business systems to increase efficiency and minimize the risk of human error when compiling the report
- The contractor shall report all contractor labor hours (including subcontractor labor hours) required for performance of services provided under all task orders issued against this contract for the Missile Defense Agency via a secure data collection site. The contractor is required to completely fill in all required data fields using the following web address: <http://www.ecmra.mil/>. Reporting inputs will be for the labor executed during the period of performance during each Government fiscal year (FY), which runs October 1 through September 30. While inputs may be reported any time during the FY, all data shall be reported no later than October 31 of each calendar year. Contractors may direct questions to the help desk at <http://www.ecmra.mil/>
- The contractor shall provide an IRES IPMR that contains data for measuring cost and schedule performance at the IRES program level
- The contractor shall implement their Value+ TM continuous improvement approach to capture and report cost control initiatives and valued-added innovations. These cost savings and avoidances will be reported to the MDA through CDRL C014 (reference PWS paragraph 10.6.1.1)
- The contractor shall establish annual Value+ TM cost savings goals and establish an awards system for meeting those goals starting in CY3
- The contractor shall provide a report that provides actual achievements relative to the utilization goals in the contractor's Small Business Participation and Commitment Plan and the results of the contractor's efforts to: (1) expand the pool of qualified SBs, (2) engage SBs to serve as second sources, and (3) leverage SBIR and STTR program funded technologies.
- The contractor's Small Business Utilization Report shall capture both the quantitative performance measures (e.g., subcontracting dollars/percentages) as well as the qualitative performance measures (e.g., contributions to mission execution)
- The contractor's SB Utilization Report shall outline the SB activity through the IRES Consortium and reach back, and shall describe a look ahead for SB utilization activities
- The contractor shall deliver the Data Accession List (DAL), providing a medium for identifying contractor internal data which has been generated under the various task orders
- The contractor shall provide a document reference number for each DAL item for rapid retrieval from contractor data sources
- The contractor shall report IRES purchased software in accordance with DoDI 5000.76. (C032)

Deliverables		
Deliverable	Initial Delivery	Frequency
(C009) IRES Contract Work Breakdown Structure	Per DD Form 1423	Per DD Form 1423
(C010) IRES Contract Funds Status Report	Per DD Form 1423	Per DD Form 1423

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(C011) IRES Functional Cost Hour Report (DD Form 1921-1)	Per DD Form 1423	Per DD Form 1423
(C012) Small Business Utilization Report	Per DD Form 1423	Per DD Form 1423
(C013) Contract Summary Integrated Program Management Report	Per DD Form 1423	Per DD Form 1423
(C015) IRES Data Accession List	Per DD Form 1423	Per DD Form 1423
(C030) Cost Data Summary Report (DD Form 1921)	Per DD Form 1423	Per DD Form 1423
(C031) Contractor Business Data Report (DD Form 1921-3)	Per DD Form 1423	Per DD Form 1423
(C032) Software Accountability Report	Per DD Form 1423	Per DD Form 1423
Annual Value+ TM cost savings goals and awards	CY3	N/A

#### 10.6.2.4 Cybersecurity Risk Management Reporting

Objective #1: The contractor shall provide a comprehensive cybersecurity program across the IRES contract.

Outcomes:

- The contractor shall deliver Cybersecurity Controls Statements of Compliance for all team members that may access Critical Unclassified Information (CUI) that detail policies, procedures, and standards for protecting CUI from unauthorized access from both internal and external sources
- The contractor shall deliver Cyber Incident or Compromise Report(s), reporting as much of the information defined in DFARS Clause 252.204-7012 (d)(1) as can be obtained within 72 hours of any reportable cybersecurity incident
- The contractor shall perform a preliminary analysis to (a) determine the extent of the event and whether a detected incident is a reportable event, (b) prevent further damage, (c) maintain control of the system(s) affected and the surrounding environment, and (d) update the incident report
- After measures are implemented to correct the incident, the contractor shall perform a Post Implementation Review (PIR) to evaluate the effectiveness of corrective actions, document lessons learned, and brief MDA leadership to include a pre-brief for the MDA/IC leadership
- The contractor shall provide a detailed incident report to document all activities and results for the incident, including root cause analysis and corrective actions taken and a Plan of Action and Milestones for any outstanding activity
- The contractor shall provide verification that the contractor workforce performing cybersecurity functions are in compliance with the guidelines found in DoD 8570.01-M (Chapters 3, 4, 5, 10 and 11)
- The contractor shall immediately report cybersecurity incidents via the MDA-approved escalation process, to include notification to MDA/IC leadership and affected stakeholders
- The contractor shall assist MDA/IC in developing a response and recovery plan to resolve any incident according to policy, procedures, and quality requirements to minimize risk
- The contractor shall collect and consolidate team members Cybersecurity Controls Statement(s) of Compliance into a single document for delivery

#### Deliverables

Contract: HQ079617D0001

Order: HQ079618F8002

Deliverable	Initial Delivery	Frequency
(C017) Cybersecurity Controls Statements of Compliance	Per DD Form 1423	Per DD Form 1423
(C018) Cybersecurity Incident or Compromise Report(s)	Per DD Form 1423	Per DD Form 1423
(C019) Cybersecurity Workforce Management Report	Per DD Form 1423	Per DD Form 1423

#### 10.6.2.5 Task Order Close-Out

Objective #1: The contractor shall ensure the timely and accurate close out of task orders to enable a continuity of effort for all contracted activities.

Outcomes:

- At the end of each task order period of performance, the contractor shall perform a formal task order closeout, even if that task order will be replaced by a follow-on task
- The contractor's closeout reporting shall include a roll-up of historical task order data and a summary of task order activities, including participating companies, a task order summary, and the status of ongoing work at the point of transition
- Task order data shall include labor and non-labor cost data, a labor hour report, a list of CDRLs and DALs delivered under the task order, a Contractor Acquired Property report, and a Small Business Subcontractor Utilization Report
- To the maximum extent possible, data and reports for task order closeout shall be provided in the same formats as CDRL program reports for ease of interpretation
- All data and summaries except for the Final Contractor Acquired Property Report shall be consolidated into the Task Order Close-Out Report

Deliverables		
Deliverable	Initial Delivery	Frequency
(C026) Task Order Close-Out Report	Per DD Form 1423	Per DD Form 1423

#### 10.6.3 JEMS - Tools Training, and Documentation

Objective #1: The contractor team shall provide and utilize a common set of Defense Contract Audit Agency (DCAA)-accepted enterprise management tools, eliminating the need for corporate system interfaces between companies for day-to-day work. These tools, consolidated into the Jacobs Enterprise Management System (JEMS), shall enable contract-wide communication, management, and performance measurement and tracking; and shall include business, project, and knowledge management tools and processes.

As this document is being prepared, discussions are underway concerning the physical location of JEMS (in or outside MDA enclave) and what data types based on sensitivity can be hosted if JEMS is outside MDA. Until these discussions are finalized, the ability to deliver specific data types, to "fuse" them with other data for analytical purposes, and to deliver them in a "real time" manner cannot be ascertained.

Outcomes:

- The Jacobs Enterprise Management System (JEMS), shall enable contract-wide communication, management, and performance measurement and tracking; and shall include business, project, and knowledge management tools and processes

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- During CY1, the contractor shall provide JEMS training to all users and stakeholders
- Performance data shall be tracked and consolidated within dashboards on the contractor's JEMS portal
- The contractor's JEMS portal shall provide an updated view of current actual labor hours across the entire contractor team accessible to MDA customers for project and task order management
- The contractor shall provide the most current risk status to MDA customers
- The contractor shall provide a program-level, online, searchable management information system for metadata that captures all products (i.e., CDRLs) developed/submitted (i.e., Data Accession List [DAL]) on the contract
- The contractor shall utilize the Electronic Content and Records Tool (E-CaRT) system
- The contractor shall append metadata to identify files by type, TO, system or event, and other applicable data to aid in retrieval through user searches
- In cases where file formats are not compatible with E-CaRT storage, the contractor shall insert and maintain a placeholder sheet identifying storage location and point of contact to allow retrieval
- The contractor's IRES Program Information Management System Documentation shall contain the full system description and user's guide information to obtain access and utilize the system
- The contractor team shall provide and utilize a common set of Defense Contract Audit Agency (DCAA)-accepted enterprise management tools, eliminating the need for corporate system interfaces between companies for day-to-day work
- The contractor shall provide customer access to the JEMS portal to enable real-time performance monitoring and situational awareness of the health and status of IRES system and assets
- Using Maximo and DOORS, IRES shall provide access to MDA Government Furnished Equipment (GFE) tools
- IRES shall provide access to a management system documentation master list, a DCAA-accepted procurement system, a DCAA-accepted property management system, a performance management system with dashboard views, a Corrective and Preventative Action system, and an IRES Information Management System (IIMS)
- JEMS and other business systems utilized by IRES shall also include or provide access to systems/tools for continuous improvement, innovation, and employee feedback; budgeting, estimating, and earned value management; cost reporting, cost accounting, purchasing, payroll, subcontract management, project planning, and event scheduling; project management dashboards; a knowledge management system; and IRES Consortium management
- If installed within the MDA enclave boundary, JEMS and other business systems utilized by IRES including their components/tools shall be delivered with unlimited rights. All data stored within JEMS, no matter where hosted, shall be delivered with unlimited rights
- To provide a streamlined mechanism for status reporting, the contractor shall provide MDA customers and stakeholders with on-demand access to a TO status report dashboard

Contract: HQ079617D0001

Order: HQ079618F8002

Deliverables		
Deliverable	Initial Delivery	Frequency
JEMS	TBD	N/A
(C028) IRES Program Information Management System Documentation	Per DD Form 1423	Per DD Form 1423
Complete JEMS training	180 days after JEMS IOC	As Required

#### 10.6.4 IRES Integrated Schedule

Objective #1: The contractor shall provide a comprehensive integrated schedule supporting all facets (contracting, business and finance, and operations) of MDA/IC activities.

Outcomes:

- The contractor shall implement an IRES Integrated Schedule (IIS) to provide situational awareness of all enterprise activities
- The IIS shall include data from all task order schedules, with fidelity down to the individual project or event milestone level, to allow prioritization of effort, de-confliction of assets, and resource planning
- The IIS shall be utilized in developing the Format 6 IMS submitted as part of the IRES IPMR
- Based on access to and fidelity of non-IRES data sources, by the end of CY2, the IIS shall, to the extent possible, incorporate external activities allowing expanded prioritization of effort, de-confliction of assets, and resource planning
- Since the IIS is to cover all facets of MDA/IC activities, the contractor shall perform the analysis required to (a) ascertain the correct data and data level to be ingested and (b) avoid duplication of effort done on other task orders. The contractor shall capture potential improvements. During CY2/3 the contractor shall support interest items deemed high visibility by the government. Potential examples include: (a) capturing requirements for the Forward Schedule of Change, (b) providing a point paper with recommendations on integrated MDA/IC support for CTTO event requirements, and (c) developing a high-level milestone schedule for CTTO events.
- IIS data shall be delivered with unlimited rights

Deliverables		
Deliverable	Initial Delivery	Frequency
IRES Integrated Schedule (IIS)	30 work days after SEPI IBR	Bi-Weekly
Extended IIS focus	End of CY2	N/A

#### 10.6.5 Environment, Safety, and Organizational Health

Objective #1: The contractor shall provide the resources to deliver an Environment, Safety, and Organizational Health (ESOH) program. The ESOH program will meet or exceed all regulatory requirements throughout the period of performance.

Outcomes:

Contract: HQ079617D0001

Order: HQ079618F8002

- The contractor shall implement environmental, health, and safety programs, providing the necessary cooperation, coordination, and technical support for external inspections and audits
- The contractor shall utilize hazard analyses to identify facility, system, and project level hazards
- The contractor shall use system Failure Mode, Effects and Criticality Analysis FMECAs to identify failure modes and incorporate the risk mitigation methods that will prevent incident or injury
- The contractor shall identify Personal Protective Equipment (PPE) and potential safety hazards relating to all labs and equipment and shall document the appropriate controls in tailored Job Hazard Analyses (JHA)
- The contractor shall incorporate reviews of developed solutions from the safety and environmental perspectives at each system/event technical and mission assurance review for any system under development on any IRES task order, the MDIOC as a system, and any events executed at the MDIOC, with SMEs participating in the review process and providing support throughout the life cycle to ensure no safety or environmental incidents occur
- The contractor shall investigate any safety or environmental incidents occurring within the IRES scope of work using their incident review process in accordance with MDA 60510.02-INS, Accident and Mishap Safety Investigations and Reporting or the most recent applicable regulations
- The contractor shall implement the Safety and Health program and Environmental program as mission assurance functions within the contractor's SE Model to support the goal of zero incidents. The contractor shall establish metrics to track performance against their safety goal of zero incidents, further defined as zero injuries to people, zero damage to property, and zero harm to the environment
- The contractor shall implement an automated Safety Observation Report system to engage employees in identifying conditions or behaviors that increase safety risk. The contractor will establish a volunteer, employee-led BeyondZero® Leadership Team during CY1 to gather feedback and innovations from the workforce and help shape the IRES Safety and Health program through continuous improvement. Starting in the first half of CY2, the contractor will perform annual internal Safety Evaluation Report audits using contract-external personnel to document and correct deficiencies associated with safety and health, fire protection, environmental compliance, and at-risk employee behaviors
- The contractor shall use a layered approach in performing each workplace analysis to systematically identify and mitigate hazards, develop safe procedures, identify exposure to hazardous materials or wastes, determine employee training and certification needs, and identify PPE
- The contractor shall identify and track safety and environmental risks within their Risk Management (RM) database and disposition the risks as design solutions mature in accordance with the contractor's RM program. The controls for safety and environmental risks shall be in accordance with the contractor's safety and environmental programs
- The contractor shall communicate corrective actions and lessons learned throughout the contract to identify and correct similar situations in other areas

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- The contractor shall provide POCs for all external safety and environmental audits and inspections. These POCs shall coordinate the required MDIOC access and technical support to complete the audit or inspection requirements without disrupting ongoing events or operations
- The contractor shall deliver an environmental program that addresses Environmental Compliance, Pollution Prevention, and Conservation at the MDIOC and is in accordance with federal, state, Schriever AFB, and MDA environmental laws and regulations. Specific programs include, but are not limited to: Hazardous/Universal Waste Management, Hazardous Material (to include Hazardous Material Pharmacy and Green Procurement), Qualified Recycling Program, energy/resource conservation, Ozone-depleting chemicals (ODC), Emergency Planning and Community Right-to-Know (EPCRA), and Hazardous Material Spill Response
- The contractor's environmental program shall ensure that environmental compliance is integral to all activities and ensure zero environmental Notices of Violation (NOV)
- The contractor shall provide an environmental compliance professional who will act as the liaison to the applicable MDA customers for coordination of the IRES Environmental Program
- The contractor shall incorporate environmental protection and sustainability requirements into system development and infrastructure support activities through the contractor SE Model
- The contractor shall implement their Sustainability+ TM process to capture, validate, and report environmental sustainability activities and process improvements in terms of carbon offset that increase value to MDA. Calculated savings shall be validated by the MDA customer prior to reporting outside the IRES contract
- The contractor shall provide IRES workforce training during CYI on Sustainability+ TM and its goals within the IRES contract to maximize effectiveness and establish a culture of innovation
- Beginning in CY3, the contractor shall establish annual Sustainability+ TM goals for the contract and establish an awards system for meeting those goals
- The contractor shall provide a mishap prevention and safety plan that addresses safety of IRES-managed facilities (MDIOC), equipment, and workforce. This includes compliance with the requirements of the designated Air Force HAZMAT authorization and tracking system, which is currently the Enterprise Environmental, Safety, and Occupational Health – Management Information System (EESOH-MIS); a Mishap Prevention and Safety Plan that addresses lock-out/tag-out, confined space entry, electrical safety, mishap investigation and reporting, safety risk assessment, safety education and training, Hazard Communication Program, and other areas that ensure full compliance with 29 CFR 1910.1200, Hazard Communication Program; documented ergonomic procedures that ensure the MDIOC workforce are reasonably accommodated to perform their individual work activities; a MDIOC Facility Evacuation Plan; and documented regular safety and fire protection inspections at the MDIOC followed by corrective action plans
- The contractor shall implement their Culture of Caring Key Approach to instill a safety culture that makes protection of personnel and property an integral part of all day-to-day work practices

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Order: HQ079618F8002

Deliverables		
Deliverable	Initial Delivery	Frequency
(C006) Accident /Incident Report(s)	Per DD Form 1423	As Required
(C007) Chemical Inventory and Hazardous Material Usage Report	Per DD Form 1423	Per DD Form 1423
Safety evaluation report audits	First half CY2	Annual

## 10.7 Policy and Governance

Objective #1: The contractor shall provide the required policy and governance documents to ensure effective and efficient contract execution.

Objective #2: The contractor shall coordinate with the government prior to and throughout all development/update activities of any plans.

Outcomes:

The contractor shall provide the following policy and governance documents:

**10.7.1 Systems Engineering Management Plan (SEMP) (C005)**

**10.7.2 IRES Program Management Plan (C008)**

**10.7.3 IRES Cybersecurity Risk Management Program Plan (C016)**

**10.7.4 IRES Quality Assurance Program Plan (QAPP) (C020)**

**10.7.5 IRES Risk Management Plan (C021)**

**10.7.6 IRES Configuration Management Plan (C022)**

**10.7.7 IRES Environmental Program Plan (C023)**

**10.7.8 IRES Mishap Prevention and Safety Plan (C024)**

**10.7.9 IRES MDIOC Facility Evacuation Plan (C025)**

Deliverables		
Deliverable	Initial Delivery	Frequency
(C005) Systems Engineering Management Plan (SEMP)	Per DD Form 1423	Per DD Form 1423
(C008) IRES Program Management Plan	Per DD Form 1423	Per DD Form 1423
(C016) IRES Cybersecurity Risk Management Program Plan	Per DD Form 1423	Per DD Form 1423
(C020) IRES Quality Assurance Program Plan (QAPP)	Per DD Form 1423	Per DD Form 1423
(C021) IRES Risk Management Plan	Per DD Form 1423	Per DD Form 1423
(C022) IRES Configuration Management Plan	Per DD Form 1423	Per DD Form 1423
(C023) IRES Environmental Program Plan	Per DD Form 1423	Per DD Form 1423
(C024) IRES Mishap Prevention and Safety Plan	Per DD Form 1423	Per DD Form 1423
(C025) IRES MDIOC Facility Evacuation Plan	Per DD Form 1423	Per DD Form 1423

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Order: HQ079618F8002

## **10.8 Systems Engineering**

### **10.8.1 Application**

Objective #1: The contractor shall provide a functional management oversight structure to lead, manage and assign resources within their organization.

Outcomes:

- The Systems Engineering and Integration (SEI) Director shall lead and manage the department to meet task order requirements
- The SEI Director shall tactically allocate and strategically forecast resources within SEI and its applicable task orders to ensure the sustainment, renewal, and growth of the technical expertise to ensure current and future requirements are met
- The SEI Director shall mentor and oversee the execution of event management, mission support, systems integration, and analysis to ensure the technical success of each task order within the department

Objective #2: The contractor shall ensure the successful implementation and execution of the systems engineering program. Ensure sound, trained, and enforced engineering processes across the IRES contract enabling BMDS concurrent test, training, and operations (CTTO).

Outcomes:

- The Chief Systems Engineer (CSE) shall implement the contractor's Systems Engineering Excellence Key Approach across IRES to maximize the value of the contractor's experience and fundamental practices to MDA
- The CSE shall integrate IRES systems engineers into a SE Community of Practice (CoP)
- The contractor's CSE shall ensure all systems engineering personnel obtain membership in the INCOSE Colorado Front Range Chapter by the end of CY2
- The SE program shall be agile enough to respond to the dynamic environment of MDA while still maintaining the fundamental principles and processes of SE that will ensure the delivery of SE excellence and achievement of MDA desired outcomes
- The contractor shall implement an agile process to efficiently review and approve deviations from standard SE processes prior to execution to ensure the deviations do not add unmitigated risk to the task or the enterprise as a whole, allowing processes to be tailored to specific requirements as necessary
- The contractor shall ensure that SE, program integration, mission assurance, and configuration management fundamentals are an integral part of every task
- The contractor shall identify all the requirements of the MDA SE process, including Agency-level directives, unique process interfaces, tools, and best practices to understand all requirements early in the implementation process
- The contractor shall deliver an organization that focuses on infusing SE knowledge and excellence practices consistently across the enterprise to ensure a common awareness of project status and effective project management with reliable data
- Before the end of CY2, the contractor shall perform a full SE process audit to ensure that processes, tools, and best practices are fully integrated. This includes a recommendation on an integrated board structure

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- The contractor shall provide a dedicated Systems Engineering & Integration (SEI) Department to ensure consistent process implementation and repeatable performance across the IRES scope
- The SE CoP shall allow IRES systems engineers to share non-classified best practices and process issues across task orders, and, when approved by MDA, with systems engineers on similar enterprise contracts to benefit from the collective corporate knowledge and experience in resolving similar issues
  - The SE discipline interactions with external personnel shall be limited to generic discussions of approaches and best practices without reference or inference to specific MDA information
  - The CSE shall ensure that any information attributable to IRES or MDA specifically is reviewed and approved by MDA for release, regardless of classification, through training of systems engineers and direct monitoring of meetings and interactions
  - The contractor's CSE shall ensure that these forums are used in conjunction with employee continuous improvement ideas to continuously incorporate new approaches, technologies, and innovations into the SE processes and tools in use across the IRES contract
  - The contractor shall document activities and the benefits of these approaches to the government within the IRES Program Status Report (CDRL C014) using the Value+TM process
- The contractor shall utilize a matrixed approach to fulfilling task order requirements under the leadership of a single STIM
- STIMs shall report to the CSE to ensure integration of processes across the enterprise
- STIMs shall incorporate the requirements of the contractor's System Engineering Management Plan (SEMP) into all task order planning and execution processes to ensure the application of program level plans and repeatability of processes across all task orders

Deliverables		
Deliverable	Initial Delivery	Frequency
Systems Engineering Process Audit	End of CY2	N/A
Systems engineering personnel obtain membership in the INCOSE Colorado Front Range Chapter	End of CY2	N/A

### 10.8.2 Event Management

Objective #1: The contractor shall provide event coordination, to include event identification and planning, event resource coordination, event architecture coordination, Critical Asset List (CAL) development, and event and resource de-confliction.

Outcomes:

- The contractor shall review event requirements to identify resource conflicts that will require resolution by priority or scheduling changes or the provision of additional resources
- The contractor shall provide recommendations to MDA to resolve known conflicts before providing inputs for response to test requirements
- The contractor will actively gather and organize event requirements

Contract: HQ079617D0001

Order: HQ079618F8002

- The contractor shall, using event SV-2 DoDAF diagrams, generate event segment architecture artifacts and develop the event CAL
- The contractor shall implement JEMS CAL dashboard view to provide a consolidated CAL data source for leadership reviews and coordination activities during CY2
- The contractor Responsible Engineers shall be responsible for capturing the requirements from the customers and ensuring that the system is configured to support each event
- The contractor shall ensure the Mission Execution Element (MEE) and Mission Planning Element (MPE) as defined in Event Management Procedure 480 are utilized in the approach to accomplishing event management
- The contractor shall complete the work products and activities required to successfully implement Mission Planning Element objectives for all CTTO events
- The contractor shall form Work Screening Teams (WST) in coordination with the applicable MDA stakeholders during periods of heightened awareness to control event and operational CAL configurations. Any WST-approved CAL changes will be government approved and formally documented
- The contractor shall initiate and coordinate the Work Screening Team process in coordination with the applicable MDA stakeholders at the beginning of the approved freeze period to review any work affecting CAL assets or support systems to prevent unintended configuration changes that may affect event success
- The contractor shall provide recommendations to consolidate tools or automate interfaces to minimize the risk of human data manipulation error and provide an enterprise view of operational/event configurations and their protection status
- The contractor shall ensure the integration of SE and mission assurance processes within event coordination without maintaining multiple process architectures
- The contractor shall utilize a standard review process to identify any resource conflicts that arise as more detailed event configurations are identified and shall work with IRES and MDA leadership to provide recommendations for de-confliction
- The contractor shall ensure investigations are conducted on every process escape or technical incident impacting MDA daily operations or test/event planning and/or execution

Deliverables		
Deliverable	Initial Delivery	Frequency
(C004) Event Packages	Per DD Form 1423	Per DD Form 1423
CAL dashboard views within the JEMS portal to provide a consolidate CAL data source for leadership reviews and coordination	End of CY2	N/A

### 10.8.3 Enterprise Architecture

Objective #1: Enterprise architecture (EA) for MDA stakeholders that communicates through the development and management of reference, enterprise, segment, and system architectures the basis for the principles, technical positions, patterns, and vocabulary (data dictionary) that the IRES program provides consistent with information technology capabilities fulfilling MDA Program and Functional Manager requirements.

Outcomes:

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- The contractor shall develop, socialize, and submit for approval of MDA/IC priorities and goals
- In addition, the contractor shall streamline MDA/IC processes wherever possible. The methodology and processes established by EA shall be executed by the task orders and overseen by the EA team
- The contractor shall develop and implement an agile, customizable EA methodology
- Using Federal, DoD, and Joint Information Environment (JIE) guidance, the contractor shall create, develop, maintain and deliver enterprise designs, standards and technology strategies to provide an integrated MDA/IC strategy to govern MDA/IC business processes and IT strategic investments
- The contractor's methodology shall collaborate, further refine and mature the Integrated Technical Baseline, and provide overall enterprise oversight to the MDA/IC engineers, developers, project/systems engineers, and solution architects with a focus on providing capabilities to MDA/IC clients
- The contractor shall be responsible for managing the EA repository of historical artifacts, the provenance of those artifacts, and supporting data to include all deliverables and artifacts created for and shared with MDA stakeholders
- The EA methodology shall enforce a standards-based approach upon MDA/IC
- The EA methodology shall also enable mission oriented IT service integration throughout the MDA enterprise to address networking, security, and data management environments
- Enterprise architecture shall provide:
  - MDA/IC leadership with recommendations for decisions and actions that govern the MDA/IC enterprise
  - Real-time decision making artifacts for configuration/change management
  - Process and system engineering principals and standards for consistency
    - Naming/grouping standards and frameworks
    - Engineering and drawing standards
    - Review process and standards
    - Work flow and execution standards
  - Support prioritized budgetary estimates for future capabilities
  - Training classes and material when required

Deliverables		
Deliverable	Initial Delivery	Frequency
MDA/IC priorities and goals	5 Sep 18	Semiannual
Real-time decision making artifacts	As Required	As Required

#### 10.8.4 Configuration Management (CM)

Objective #1: The contractor shall, through the execution of iterative/systematic CM audits/CM assessments and the proactive enforcement of change control/change management processes, develop a fully integrated technical baseline of all IRES provisioned or MDIOC-hosted systems and services.

Objective #2: The contractor will implement, enforce, oversee and report a sustainable configuration/change management program.

Outcomes:

Contract: HQ079617D0001

Order: HQ079618F8002

- The contractor shall execute a CM system that ensures enterprise CM vertically throughout the organization, and system CM horizontally across contractor functional departments for specific systems, task orders, and events
- The contractor shall ensure a consistent method of controlling and identifying configurations across the entire IRES scope and the capability to monitor the status of those configurations to identify risk and enable decision making
- CM personnel within the contractor's functional departments shall implement CM processes, ensure compliance, and integrate continuous improvement and processes changes
- The contractor shall analyze the current state of the configuration and configuration control environment and provide an assessment, including a plan which will establish effective configuration control of MDA/IC assets
- The plan shall articulate the technical approach, cost and schedule of implementation and be delivered by 05 September 2018
- The technical approach shall contain the following elements as a minimum:
  - Analyze the current state of the Ops and Event CALs, drawings, tools, and processes (e.g., Ops CAL, Power Panel Schedule, and event CAL audits)
  - Evaluate the change control process, governance, and enforcement elements for both IRES and the government
    - Audit all infrastructure and IT hardware change management processes for common infrastructure up to the demarcation point
    - Document all change management dependencies external to the IRES contract
  - Review the currently documented configuration management risks and mitigations
  - Determine the appropriate frequency and breadth of QA audits to ensure confidence in the Ops Critical Assurance List (CAL- going forward), power schedules, and other critical configuration items at all times
  - Review the ITB and determine any changes that are required to integrate associated contracts
  - Establish a common set of Enterprise tools and processes to control the configurations. Provide documentation and training on these tools and incorporate them into the ITB governance data set
- During CY2, the contractor shall perform the integration activities outlined in the Configuration Management Assessment Report and develop integrated CM dashboard views within JEMS to provide a truly enterprise CM view for decision makers
- The contractor's CM processes shall be implemented by the IRES SEMP, and governed by the IRES Configuration Management Plan
- Reviews and audits shall be conducted using information resident in the contractor's Configuration Status Accounting (CSA) tool
- The contractor shall appoint an Enterprise CM lead to serve as the SME for all IRES CM activities
- The contractor's approach shall use the conventional five-step configuration management model framework with provisions for digital data configuration management
- The contractor shall perform CM planning to enable de-confliction of competing events, integrated scheduling and event synchronization, and mission assurance

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Order: HQ079618F8002

- The contractor shall use a configuration/change management process to account for, manage, and protect the integrity of configured items and to ensure that only authorized components are used and only authorized configuration changes are made
- All engineering change requests shall be documented and classified as Class I or II for consideration by the appropriate change authority
  - Per MDA Manual 3500.1-M, Class I changes that affect the form, fit, or function of a baseline configuration and have the potential to increase risk, decrease performance, or impact a mission-critical system shall be approved by the appropriate MDA board
  - Class II changes that do not meet the requirements for Government involvement shall be reviewed and approved by an IRES Configuration Control Board
- The contractor shall maintain a roles-based Configuration Status Accounting (CSA) system that is accessible by all employees and MDA customers
- The CSA shall capture and report information about configuration status, documentation, current and historic baselines, change requests, change notices, maintenance actions, warranty data and history, software documentation, access lists, and all other configured information, including non-conformances
- The CSA database shall provide the configuration history, traceability, and current status of any change, waiver or deviation requests, effectivity and status of approved changes, and the schedules and status of configuration audits and corrective actions
- The CSA shall provide reporting on CI pedigree, configuration history, limited life, change status, document release information, audit results, and other reports required for IRES contract or customer-specific requirements
- Auditors shall perform CM spot checks to verify documented and as-built configurations match, ensuring the current technical baseline is available for all systems and events
- The contractor shall perform/document system development internal Functional Configuration Audits (FCA) and Physical Configuration Audits (PCA) to verify that the actual performance of the Configuration Item (CI) meets the specification requirements, and to verify that the related design documentation matches the design of the CI
  - FCAs and PCAs shall be performed prior to establishing a product baseline configuration, and as soon as possible after project completion
  - PCAs shall include a detailed audit of all technical data package information, including drawings, specifications, technical data, and test data. The PCA shall also include configuration documentation that accurately reflects the as-built configuration to ensure repeatable performance
- Configured items components and associated documentation shall have issued part numbers and serialization as required to maintain configuration control and to comply with MDA Directive 4161.02, Item Unique Identification
- The contractor shall perform and report on configuration/change management audits across the enterprise

Deliverables		
Deliverable	Initial Delivery	Frequency
(C033) Configuration Management Maturity Assessment	05 Sep 18	N/A
Change/Configuration Management (C/CM) Audits	As Required	As Required

Contract: HQ079617D0001

Order: HQ079618F8002

Functional Configuration Audits (FCA) and Physical Configuration Audits (PCA)	As Required	As Required
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## 10.9 Mission Assurance

### 10.9.1 Risk Management

Objective #1: The contractor shall provide and administer a comprehensive risk management program across the contract.

Outcomes:

- The contractor shall implement a Risk Management (RM) program that provides the Government with insight to mission execution and performance risk and shall be integrated within the contractor's SE model
- The contractor shall provide a process to identify, analyze, plan, track, and control risks throughout a product life cycle
- To ensure delivery of an effective RM program, RM practices shall be reinforced by contractor leaders and managers through engagement in performance reviews and participation in the contractor's IPRs, as well as interaction with the contractor's technical workforce
- The contractor shall provide a Risk Manager who will ensure the horizontal integration of RM for systems/events and the disciplined application of RM across each task and department on the IRES contract
- The contractor's RM program requirements, including cybersecurity and supply chain RM, shall be integrated into the controlling processes within the contractor's management system under the requirements of the SEMP
- The contractor shall perform a review of all management system processes during CY1 to identify gaps or inconsistencies in the application of the risk management program and ensure a common approach to RM across IRES
- The contractor shall verify the RM integration across all areas of risk, including technical, cost, schedule, safety, and security, vertically throughout the IRES enterprise and its suppliers, and address any gaps
- The contractor shall implement a fully integrated RM dashboard within their JEMS portal to provide a consolidated viewpoint for decision makers and customers
- RM reporting capabilities shall be provided in MDA standard formats for individual and program/activity risk summaries

Deliverables		
Deliverable	Initial Delivery	Frequency
Risk Opportunity Review Board	30 DAC	As Agreed
Risk Management Program Review	End of CY1	N/A
Risk Management Dashboard in JEMS	End of CY3	N/A

### 10.9.2 Mission System/Service Protection

Objective #1: The contractor shall provide CTTO systems and services protection, to include, event and resource de-confliction, and event asset protection.

Contract: HQ079617D0001

Order: HQ079618F8002

**Outcomes:**

- The contractor shall deliver a Mission Assurance program that ensures protection of mission operational, test (CTTO) and shared infrastructure resources on a daily basis
- The contractor shall coordinate with the applicable MDA organizations to establish event configuration protections for assets identified on the CAL through physical and logical seals and access restrictions to communicate and prevent unapproved access or changes as part of the configuration management program
- The contractor shall, when appropriate, develop a recommended configuration “freeze” schedule based on IRES Task Order schedules, IRES Integrated Schedule (IIS), and other available test schedules/pertinent information
- The contractor shall ensure that all Mission Assurance information is shared with Senior Management, STIMS, Event Leads, Project Managers, System Engineers, Asset Managers, and customer stakeholders using the JEMS Portal, enabling shared and reliable situational awareness across the enterprise
- The contractor shall also initiate quality assurance processes in coordination with the applicable MDA stakeholders to verify the integrity of physical and logical seals at the beginning of the freeze period
- The contractor shall provide recommendations to consolidate tools or automate interfaces to minimize the risk of human data manipulation error and provide an enterprise view of operational/event configurations and their protection status
- The contractor shall implement CAL dashboard views within their JEMS portal to provide a CAL data source for leadership reviews and coordination activities during CY2
- The contractor shall ensure the integration of SE and mission assurance processes within event coordination without maintaining multiple process architectures

Deliverables		
Deliverable	Initial Delivery	Frequency
CTTO event system/service protection	Per Event	Per Event
Mission Assurance Event Dashboard View	End of CY2	N/A
(C035) Mission Assurance Plan	15 Mar 2019	Annual

### 10.9.3 Reliability, Availability, and Maintainability

Objective #1: The contractor shall understand the purpose and role of Reliability, Availability, and Maintainability (RAM) in the acquisition process, where it occurs in systems development, and the benefits of employing it. Understand and recommend when RAM is appropriate to a situation and if the process can be tailored to meet program needs. Understand the technical requirements for RAM as well as the strategies and processes that encourage and help end users and other stakeholders to actively participate in the RAM process. Monitor and evaluate contractor RAM technical efforts and the IRES contract's overall RAM processes and to recommend changes when warranted.

Objective #2: The contractor shall provide a strategic approach for integrating reliability, availability and maintainability, by using methods, tools and engineering techniques (e.g., Mean Time to Failure, Equipment down Time and System Availability values) to identify and quantify equipment and system failures that prevent the achievement of the CTTO mission.

Contract: HQ079617D0001

Order: HQ079618F8002

**Outcomes:**

- The contractor shall develop Reliability, Availability, Maintainability (RAM) assessments utilizing reliable data, allowing the government to make informed decisions
- The contractor shall use RAM data to identify performance risks to the system and any need to investigate alternate solutions or components to achieve the required availability
- The contractor shall perform Failure Modes, Effects, and Criticality Analyses (FMECA) on critical infrastructure assets to identify potential failure modes, assess the risk of those failure modes, rank issues in terms of priority, and define corrective actions for concerns that can impact the reliability or availability of MDIOC critical assets
- The contractor shall continually update RAM data throughout the system life cycle as new test or operational data becomes available to provide the most current availability assessments for use in program reviews
- The contractor's systems engineers shall support the contractor's facility engineers in performing Reliability Centered Maintenance (RCM) analyses and using the results of the analyses to improve the maintainability of systems

Deliverables		
Deliverable	Initial Delivery	Frequency
RAM Assessment	Per Task Order	Per Task Order

#### **10.9.4 Quality Assurance**

Objective #1: Establish and maintain a comprehensive quality assurance effort for the systematic monitoring and evaluation of systems/services, to instill confidence in government leadership that provisioned systems and services are ready and available to support CTTO events.

Objective #2: A quality assurance program that contains processes to enable the workforce to efficiently and effectively perform the myriad tasks required to successfully execute the efforts issued on the IRES contract.

**Outcomes:**

- The contractor shall measure, verify, and validate mission success through a collection of metrics including; risk assessment; technical evaluations, independent assessments, and reviews
- This contractor's Quality Assurance Program shall achieve and demonstrate compliance with the applicable SAE AS9100D requirements by April 1, 2019.
- The contractor shall perform periodic inspection of task order performance thresholds to verify program quality
- The contractor shall deploy quality control methods to identify defects before they cause mission impacts through the implementation of their SE Model
- The contractor shall perform audits on a regular basis and as required based on any incidents or findings

Contract: HQ079617D0001

Order: HQ079618F8002

- The contractor shall conduct investigations on every process escape or technical incident impacting MDA daily operations or test/event planning and/or execution
- The contractor shall ensure that all investigative results are captured and applied to enterprise-wide corrective actions, and that lessons learned are shared across the enterprise
- The contractor shall track corrective actions and lessons learned in the contractor's Corrective and Preventive Action system to prevent recurrence

Deliverables		
Deliverable	Initial Delivery	Frequency
(C034) Quick Look--Failure Summary and Analysis Report	Per DD Form 1423	Per DD Form 1423
(C034) Final--Failure Summary and Analysis Report	Per DD Form 1423	Per DD Form 1423
Audit Plan	TBD	Annual

### 10.10 Continuity of Services

Objective #1: An IRES contract phase-out plan that provides for an orderly and effective transition of products and services to the follow-on contractor(s) with no interruption or impact to mission.

Outcomes:

- The contractor shall deliver a Program Phase-Out Plan to establish plans for the transition activities that may occur during the last three months of the IRES period of performance
- This plan shall be owned by a senior IRES manager and include task order transition and close-out plans, information exchange with in the incoming contractor, and a "right seat ride," or shadowing, plan that will give incoming contractor personnel insight into the projects and events that will continue through the contract transition
- To maintain situational awareness for all involved, this plan shall require a daily transition meeting between the IRES contractor, the follow-on contractor, and MDA representatives to discuss status, schedules, and identify and resolve any issues that arise during transition
- The contractor shall capture issues and lessons learned during the IRES Phase-In process to inform and shape the Program Phase-Out Plan to ensure products and services are transitioned from IRES to the follow-on contractor(s) with no interruption or impact to mission
- The contractor shall cooperate fully to the extent required to permit an effective, orderly, and successful transition from IRES to the follow-on contract(s)
- "Right seat rides" shall include incoming contractor leadership orientation, training, and familiarization on systems and equipment that they will be required to operate at task order start
- The transition shall include task order continuity logs that minimize learning curves for the follow-on contractor(s)
- The contractor shall establish modular processes and information systems that will allow straightforward data transfer for ongoing projects and events to ensure the legacy of projects that extend over multiple TO performance periods is retained

### Deliverables

Contract: HQ079617D0001

Order: HQ079618F8002

Deliverable	Initial Delivery	Frequency
(C029) IRES Program Phase-Out Plan	Per DD Form 1423	Per DD Form 1423

## Enclosure 1: SEPI Award Fee Plan



18F8002\_AFPlan\_Re  
v1.pdf

<b>ORDER FOR SUPPLIES OR SERVICES</b>										PAGE 1 OF 87			
1. CONTRACT/PURCH. ORDER/AGREEMENT NO. HQ079617D0001			2. DELIVERY ORDER/CALL NO. HQ079618F8003P00023		3. DATE OF ORDER/CALL (YYYYMMDD) 2018 Jan 05		4. REQ. PURCH. REQUEST NO. See Schedule		5. PRIORITY DX-C9				
6. ISSUED BY MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300			CODE HQ0786		7. ADMINISTERED BY (if other than 6) DCMA HUNTSVILLE 1040 RESEARCH BLVD SUITE 100 MADISON AL 35758-2040			CODE S0107A		8. DELIVERY FOB <input checked="" type="checkbox"/> DESTINATION <input type="checkbox"/> OTHER (See Schedule if other)			
9. CONTRACTOR JACOBS TECHNOLOGY INC. 550 WILLIAM NORTHERN BLVD. TULLAHOMA TN 37388-4727			CODE 7EBK3		FACILITY		10. DELIVER TO FOB POINT BY (Date) (YYYYMMDD) <b>SEE SCHEDULE</b>		11. MARK IF BUSINESS IS <input type="checkbox"/> SMALL <input type="checkbox"/> SMALL DISADVANTAGED <input type="checkbox"/> WOMEN-OWNED				
NAME AND ADDRESS							12. DISCOUNT TERMS		13. MAIL INVOICES TO THE ADDRESS IN BLOCK Contract Sec G, 252.232-7006				
14. SHIP TO  <b>SEE SCHEDULE</b>			CODE		15. PAYMENT WILL BE MADE BY DFAS COLUMBUS CENTER SOUTH ENTITLEMENT OPERATIONS P. O. BOX 182264 COLUMBUS OH 43218-2264			CODE HQ0338		MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2.			
16. TYPE OF ORDER		DELIVERY/ CALL		<input checked="" type="checkbox"/> X		This delivery order/call is issued on another Government agency or in accordance with and subject to terms and conditions of above numbered contract.							
		PURCHASE				Reference your quote dated Furnish the following on terms specified herein, REF:							
ACCEPTANCE. THE CONTRACTOR HEREBY ACCEPTS THE OFFER REPRESENTED BY THE NUMBERED PURCHASE ORDER AS IT MAY PREVIOUSLY HAVE BEEN OR IS NOW MODIFIED. SUBJECT TO ALL OF THE TERMS AND CONDITIONS SET FORTH, AND AGREES TO PERFORM THE SAME.													
NAME OF CONTRACTOR				SIGNATURE				TYPED NAME AND TITLE				DATE SIGNED (YYYYMMDD)	
<input checked="" type="checkbox"/> If this box is marked, supplier must sign Acceptance and return the following number of copies: 1													
17. ACCOUNTING AND APPROPRIATION DATA/ LOCAL USE  See Schedule													
18. ITEM NO.		19. SCHEDULE OF SUPPLIES/ SERVICES				20. QUANTITY ORDERED/ ACCEPTED*		21. UNIT		22. UNIT PRICE		23. AMOUNT	
		<b>SEE SCHEDULE</b>											
* If quantity accepted by the Government is same as quantity ordered, indicate by X. If different, enter actual quantity accepted below quantity ordered and encircle.													
24. UNITED STATES OF AMERICA TELEPHONE NO. (b)(6) E-MAIL (b)(6) BY CONTRACTING / ORDERING OFFICER													
25. TOTAL \$422,792,399.00 EST													
26. DIFFERENCES													
27a. QUANTITY IN COLUMN 20 HAS BEEN <input type="checkbox"/> INSPECTED <input type="checkbox"/> RECEIVED <input type="checkbox"/> ACCEPTED, AND CONFORMS TO THE CONTRACT EXCEPT AS NOTED													
b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE						c. DATE (YYYYMMDD)		d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE					
e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE						28. SHIP NO.		29. DO VOUCHER NO.		30. INITIALS			
f. TELEPHONE NUMBER						g. E-MAIL ADDRESS							
36. I certify this account is correct and proper for payment.						<input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL		32. PAID BY		33. AMOUNT VERIFIED CORRECT FOR			
a. DATE (YYYYMMDD)		b. SIGNATURE AND TITLE OF CERTIFYING OFFICER				31. PAYMENT <input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL				34. CHECK NUMBER			
										35. BILL OF LADING NO.			
37. RECEIVED AT		38. RECEIVED BY		39. DATE RECEIVED (YYYYMMDD)		40. TOTAL CONTAINERS		41. S/R ACCOUNT NO.		42. S/R VOUCHER NO.			

Section B - Supplies or Services and Prices

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1000	R&D Services/Capabilities CPIF The Contractor shall provide all research and development (R&D) funded services/capabilities identified in the performance work statement (PWS) attached to this task order. All R&D funded task order costs, other than those specifically included in another contract line item number (CLIN), shall be included in this CLIN.  All share ratios are identified as follows: Government/Contractor. The share ratios are subject to revision in accordance with the IRES Performance Evaluation and Incentive Plan (Contract Attachment J-06). All task order CLINs are combined and considered a single entity for the purpose of administering the cost and performance incentives identified in the IRES PEIP. FOB: Destination PURCHASE REQUEST NUMBER: HQ0147862089	(b)(4)			(b)(4)
				TARGET COST TARGET FEE  TOTAL TGT COST + FEE MINIMUM FEE MAXIMUM FEE  SHARE RATIO ABOVE TARGET SHARE RATIO BELOW TARGET	(b)(4)

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100001	CLIN 1000 R&D Funding  ACRNAA  PURCHASE REQUEST NUMBER: HQ01 47862089	(b)(4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100002	CLIN 1000 Labor	
	ACRN AA	(b)(4)
	PURCHASE REQUEST NUMBER: HQ014786287I	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100003	CLIN 1000 Labor	
	ACRN AD	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863386	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100004	CLIN 1000 Labor	
	ACRN AE	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863386	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100005	CLIN 1000 Labor	
	ACRN AF	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863386	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100006	CLIN 1000 Labor	
	ACRN AG	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863386	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100007	CLIN 1000 Labor	
	ACRN AH	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863386	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100008	CLIN 1000 Labor	
	ACRNAJ	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863386	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100009	CLIN 1000 Labor	
	ACRNAK	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863265	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100010	CLIN 1000, DV SLA	
	ACRN AS	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863564	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100011	CLIN 1000, DV SLA	
	ACRN AU	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863564	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100012	CLIN 1000, USB Printer for Hardy	
	ACRNAZ	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863721	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100013	CLIN 1000, BMD Asset Management	
	ACRN BB	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863763	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100014	CLIN 1000, Customer IT	
	ACRNBK	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863900	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100015	CLIN 1000 Labor IF	
	ACRNBS	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863386-0001	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100016	CLIN 1000 Labor IF	
	ACRNBK	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863386-0001	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100017	CLIN 1000 IF	
	ACRNBU	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863842	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100018	CLIN 1000, C2BMC CDS	
	ACRN BY	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864550	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100020	CLIN 1000, CDS/DTG	
	ACRN CB	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864720	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100021	CLIN 1000, IT Services	
	ACRN CC	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864784	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100022	CLIN 1000, IT Services	
	ACRN CD	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864784	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100023	CLIN 1000, GM SLA	
	ACRN CE	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864778	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100024	CLIN 1000, IC Labor	
	ACRNCJ	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147862089-0001	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100025	CLIN 1000, SWFT+ Implementation	
	ACRN CK	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863639	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100026	CLIN 1000, GM SLA	
	ACR NCM	(b)(4)
	PURCHASE REQUEST NUMBER: DO9SRW80174	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100027	CLIN 1000, Pathfinder	
	ACR N CN	(b)(4)
	PURCHASE REQUEST NUMBER: DO9ELD80173	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100028	CLIN 1000, EITS Funding	
	ACR N CQ	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864869	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100029	CLIN 1000, SLA Printer	
	ACR N CR	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865068	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100030	CLIN 1000, Pathfinder	
	ACRNCX	(b)(4)
	PURCHASE REQUEST NUMBER: DO9ELD80207	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100031	CLIN 1000, Labor	
	ACRNCY	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863386-0002	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100032	CLIN 1000, TC SLA	
	ACRN DB	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865576	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100033	CLIN 1000, SNEAA Lab	
	ACRN DD	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865583	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100034	CLIN 1000, SLA	
	ACRNDE	(b)(4)
	PURCHASE REQUEST NUMBER: HQ01 47865584	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100035	CLIN 1000, DV SLA	
	ACRN AU	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863564-0001	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100036	CLIN 1000, SB SLA	
	ACRN DT	(b)(4)
	PURCHASE REQUEST NUMBER: HQ01 47865727	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100037	CLIN 1000, WILMA	
	ACRNDV	(b)(4)
	PURCHASE REQUEST NUMBER: DO9RJB80210	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100038	CLIN 1000, TH SLA	
	ACRN DY	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865697	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100039	CLIN 1000, IT Support	
	ACRNDZ	(b)(4)
	PURCHASE REQUEST NUMBER: DO9ELD80213	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100040	CLIN 1000, Customer IT	
	ACRN EB	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863692-0002	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100041	CLIN 1000, Customer IT	
	ACRNEC	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863386-0003	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100042	CLIN 1000, Customer IT	
	ACRNED	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863386-0003	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100043	CLIN 1000, Customer IT	
	ACRNEE	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863386-0003	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100044	CLIN 1000, CDS Support	
	ACRNEF	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147866106	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100045	CLIN 1000, DE SLA	
	ACRN EG	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147866322	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100046	CLIN 1000, SLA App A and B (Wireless)	
	ACRN AK	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147866478	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100047	CLIN 1000, FS 19 CDS	
	ACRN EL	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147966688	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100048	CLIN 1000, JFCC IMD	
	ACRN EM	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147966873	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100049	CLIN 1000, IC Labor	
	ACRN EP	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147862089-0005	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100050	CLIN 1000, SS SLA funds for End User	
	ACRNEQ	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147967522	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100051	CLIN 1000, ICTA License Renewals	
	ACRN ES	(b)(4)
	PURCHASE REQUEST NUMBER: DO9TMIH90108	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100052	CLIN 1000, IT Core Users	
	ACRN EZ	(b)(4)
	PURCHASE REQUEST NUMBER: HQ01479671 44	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100053	CLIN 1000, IT Core Users	
	ACRNFA	(b)(4)
	PURCHASE REQUEST NUMBER: HQ01479671 44	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100054	CLIN 1000, IT Core Users	
	ACRN FB	(b)(4)
	PURCHASE REQUEST NUMBER: HQ01479671 44	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100055	CLIN 1000, IT Services Support	
	ACRN FC	(b)(4)
	PURCHASE REQUEST NUMBER: HQ01 47968566	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100056	CLIN 1000, Information Technology (IT)	
	ACRN FG	(b)(4)
	PURCHASE REQUEST NUMBER: DO9ELD901 34	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100057	CLIN 1000, Vendor Labor	
	ACRNFL	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147969240	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100058	CLIN 1000, Labor	
	ACRN FL	(b)(4)
	PURCHASE REQUEST NUMBER: HQ01 47969240	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100059	CLIN 1000, Labor	
	ACRN FQ	(b)(4)
	PURCHASE REQUEST NUMBER: HQ01 47969254	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100060	CLIN 1000, Vendor Labor	
	ACRNFQ	(b)(4)
	PURCHASE REQUEST NUMBER: HQ01 47969254	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100061	CLIN 1000, Vendor Labor	
	ACRN EZ	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147969275	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100062	CLIN 1000, Vendor Labor	
	ACRN FB	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147969275	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100063	CLIN 1000, Labor	
	ACRNFT	(b)(4)
	PURCHASE REQUEST NUMBER: HQ01 47969275	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100064	CLIN 1000, Labor	
	ACRN FV	(b)(4)
	PURCHASE REQUEST NUMBER: HQ01 47969275	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100065	CLIN 1000, Labor	
	ACRN FW	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147969275	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100066	CLIN 1000, Labor	
	ACRNFX	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147969275	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100067	CLIN 1000, Labor	
	ACRNFY	(b)(4)
	PURCHASE REQUEST NUMBER: HQ01 47969275	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100068	CLIN 1000, Labor	
	ACRNFB	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147969275	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100069	CLIN 1000, Labor	
	ACRN FZ	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147969275	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100070	CLIN 1000, Cross Domain Solutions suppor	
	ACRNGB	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147967651	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100071	CLIN 1000, WebCOP Dedicated Support	
	ACRNGF	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147969369	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100072	CLIN 1000, ISSO Support for WILMA	
	ACRN GG	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147969611	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100073	CLIN 1000, FTG-11 IRES Mission Viewing S	
	ACRN GM	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147969759	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100074	CLIN 1000, Maintenance Renewals	
	ACRN GR	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147970218	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100075	CLIN 1000, Primavera Training	
	ACRN GU	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147970165	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1040		(b)(4)			(b)(4)

R&D Expensed CAP: IT HW/Equip  
CPIF

Contractor purchase of expensed contractor-acquired property (CAP)—specifically information technology (IT) hardware (HW)/equipment (equip)—necessary to provide the services/capabilities identified in the PWS attached to this task order. CAP is defined in FAR 52.245-1. IT HW/Equip is a subset of equipment as defined in DoD 5000.64.

Expensed CAP line items were created as an accounting mechanism designed to provide MDA better visibility and linkage of budget, obligation, expenditure, and government property data. Given the need for this level of visibility and linkage, as well as the need to include these costs as an integral component of the incentives, all task order CLINs are combined and considered a single entity for the purpose of administering the cost and performance incentives identified in the IRES PEIP (Contract Attachment J-06).

All share ratios are identified as follows: Government/Contractor. The share ratios are subject to revision in accordance with the IRES PEIP.

NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.

FOB: Destination

PURCHASE REQUEST NUMBER: HQ0147862089

TARGET COST  
TARGET FEE  
  
TOTAL TGT COST + FEE  
MINIMUM FEE  
MAXIMUM FEE  
  
SHARE RATIO ABOVE TARGET  
SHARE RATIO BELOW TARGET

(b)(4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104001	CLIN 1040 R&D Funding	
	ACRN AB	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147862089	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104002	CLIN 1040, Commodity IT	
	ACRN AL	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863706	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104003	CLIN 1040, Commodity IT	
	ACRN AM	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863685	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104004	CLIN 1040, Commodity IT	
	ACRNAN	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863686	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104005	CLIN 1040, Commodity IT	
	ACRN AP	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863692	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104006	CLIN 1040, Commodity IT	
	ACRN AQ	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863694	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104007	CLIN 1040, Commodity IT	
	ACRN AR	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863764	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104008	CLIN 1040, DV SLA	
	ACRN AT	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863564	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104009	CLIN 1040, Commodity IT	
	ACRN AW	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863707	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104010	CLIN 1040, Commodity IT	
	ACRNAX	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863715	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104011	CLIN 1040, Commodity IT	
	ACRNAY	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863752	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104012	CLIN 1040, USB Printer for Hardy	
	ACRN BA	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863721	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104013	CLIN 1040, IT Users	
	ACRNBC	(b)(4)
	PURCHASE REQUEST NUMBER: HQ01 47863774	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104014	CLIN 1040, IT Users	
	ACRNBD	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863774	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104015	CLIN 1040, HW	
	ACRNBE	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863781	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104016	CLIN 1040, Commodity IT	
	ACRNBG	(b)(4)
	PURCHASE REQUEST NUMBER: HQ01 47863754	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104017	CLINN 1040, Customer IT	
	ACRNBL	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863920	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104018	CLINN 1040, Customer IT	
	ACRNBM	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863717	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104019	CLINN 1040, Customer IT	
	ACRN BN	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863732	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104020	CLINN 1040, Customer IT	
	ACRNBP	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863853	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104021	CLINN 1040, Customer IT	
	ACRNBQ	(b)(4)
	PURCHASE REQUEST NUMBER: HQ01 47864030	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104022	CLINN 1040, Customer IT	
	ACRNBR	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863984	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104023	CLIN 1040 Customer IT	
	ACRNBV	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863986	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104024	CKIN 1040 Customer IT	
	ACRNBW	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864175	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104025	CLIN 1040 CDS Servers	
	ACRNBX	(b)(4)
	PURCHASE REQUEST NUMBER: DO9ELD80148	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104026	CLIN 1040, Hardware	
	ACRNCA	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864011	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104027	CLIN 1040, SWFT+ Implementation	
	ACRNCL	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863639	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104028	CLIN 1040, Commodities IT	
	ACRNCS	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865000	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104029	CLIN 1040, HW/Equip	
	ACRN CV	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865172	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104030	CLIN 1040, Cinema 4D	
	ACRN DR	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864981	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104031	CLIN 1040, Primera Bravo	
	ACRN DR	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865659	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104032	CLIN 1040, Farg● DTS Printers	
	ACRN DR	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865661	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104033	CLIN 1040, LCD TV + Misc	
	ACRNDA	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865744	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104034	CLIN 1040, IT Comm	
	ACRNDX	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865134	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104035	CLIN 1040, Commodities IT	
	ACRNEA	(b)(4)
	PURCHASE REQUEST NUMBER: DO9ELD80224	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104036	CLIN 1040, Commodities IT	
	ACRN AX	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147866429	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104037	CLIN 1040, CDRLvue License	
	ACRN EJ	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147966597	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104038	CLIN 1040, DE IT Services	
	ACRNEK	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147966602	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104039	CLIN 1040, JFCC IMD	
	ACRN EN	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147966873	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104040	CLIN 1040, GV100 Card	
	ACRN ER	(b)(4)
	PURCHASE REQUEST NUMBER: DO9MSC90102	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104041	CLIN 1040, Customer IT Service	
	ACRN ET	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147966845	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104042	CLIN 1040, Customer IT Service	
	ACRN EU	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147967181	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104043	CLIN 1040, IT Commodities	
	ACRN EV	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147967936	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104044	CLIN 1040, NMR Consulting	
	ACRNEW	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147967445	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104045	CLIN 1040, Facilities and Deployments Di	
	ACRNEW	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147968024	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104046	CLIN 1040, Facilities and Deployments Di	
	ACRNEW	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147968024	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104047	CLIN 1040, NMR Consulting	
	ACRNEW	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147967445	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104048	CLIN 1040, IT Commodities	
	ACRN FE	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147968680	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104049	CLIN 1040, Information Technology (IT)	
	ACRNFG	(b)(4)
	PURCHASE REQUEST NUMBER: DO9ELD901 34	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104050	CLIN 1040, Commodity IT	
	ACRNFH	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147969084	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104051	CLIN 1040, Customer Purchases	
	ACRNFJ	(b)(4)
	PURCHASE REQUEST NUMBER: DO9TMH80258	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104052	CLIN 1040, Customer Purchases	
	ACRN FK	(b)(4)
	PURCHASE REQUEST NUMBER: DO9TMIH90155	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104053	CLIN 1040, HW Maintenance	
	ACRNF M	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147969240	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104054	CLIN 1040, HW Maintenance	
	ACRN FR	(b)(4)
	PURCHASE REQUEST NUMBER: HQ01 47969254	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104055	CLIN 1040, HW Maintenance	
	ACRNFS	(b)(4)
	PURCHASE REQUEST NUMBER: HQ01 47969275	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104056	CLIN 1040, HW Maintenance	
	ACRN FU	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147969275	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104057	CLIN 1040, IT Software and Hardware	
	ACRNGA	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147969540	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104058	CLIN 1040, SPECIAL PROGRAMS	
	ACRN FJ	(b)(4)
	PURCHASE REQUEST NUMBER: DO9TMIH80258	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104059	CLIN 1040, IRES Customer IT	
	ACRNGC	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147969285	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104060	CLIN 1040, 1T Commodity	
	ACRNGK	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147969732	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104061	CLIN 1040, 1T Commodity	
	ACRN GL	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147969053	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104062	CLIN 1040, 1T Commodity	
	ACRNDX	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147969736	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104063	CLIN 1040, 1T Commodity	
	ACRNDX	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147969736	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104064	CLIN 1040, IC Services	
	ACRN GN	(b)(4)
	PURCHASE REQUEST NUMBER: DO9ELD80259	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104065	CLIN 1040, Commodity IT	
	ACRNGQ	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147970093	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1060		(b)(4)			(b)(4)

R&D Expensed CAP: COTS IUS  
CPIF

Contractor purchase of expensed contractor-acquired property (CAP)—specifically commercial-off-the-shelf (COTS) internal use software (IUS)—necessary to provide the services/capabilities identified in the PWS attached to this task order. CAP is defined in FAR 52.245-1. COTS IUS is a subset of IUS as defined in DoDI 5000.76.

Expensed CAP line items were created as an accounting mechanism designed to provide MDA better visibility and linkage of budget, obligation, expenditure, and government property data. Given the need for this level of visibility and linkage, as well as the need to include these costs as an integral component of the incentives, all task order CLINs are combined and considered a single entity for the purpose of administering the cost and performance incentives identified in the IRES PEIP (Contract Attachment J-06).

All share ratios are identified as follows: Government/Contractor. The share ratios are subject to revision in accordance with the IRES PEIP.

NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.

FOB: Destination

PURCHASE REQUEST NUMBER: HQ01 47862089

TARGET COST  
TARGET FEE  
TOTAL TGT COST + FEE  
MINIMUM FEE  
MAXIMUM FEE  
SHARE RATIO ABOVE TARGET  
SHARE RATIO BELOW TARGET

(b)(4)

FSC CD: 7030

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106001		

CLIN 1060 R&D Funding

ACRNAC

(b)(4)

PURCHASE REQUEST NUMBER: HQ0147862089

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106002	CLIN 1060, IT Users	
	ACRN BD	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863774	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106003	CLIN 1060, SW	
	ACRN BF	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863781	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106004	CLIN 1060, Number Cyber	
	ACRN BZ	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864663	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106005	CLIN 1060, IC/SW IT	
	ACRNCH	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147862089-0001	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106006	CLIN 1060, SystemStair Corporate License	
	ACRN CP	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864789	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106007	CLIN 1060, DDW SLA	
	ACRNCT	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863763-0001	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106008	CLIN 1060, SLA App	
	ACRN CU	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865085	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106009	CLIN 1060, SN Remote Site	
	ACRNCW	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865229	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106010	CLIN 1060, E-LMS	
	ACRNCZ	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865298	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106011	CLIN 1060, BMDS Project Server	
	ACRN DA	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865525	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106012	CLIN 1060, C2BMC Comp Net	
	ACRN DC	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865567	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106013	CLIN 1060, SLA	
	ACR NDF	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865584	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106014	CLIN 1060, SLA	
	ACRN DG	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865584	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106015	CLIN 1060, SLA	
	ACRN DH	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865584	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106016	CLIN 1060, SLA	
	ACRN DJ	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865584	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106017	CLIN 1060, SLA	
	ACRN DK	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865584	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106018	CLIN 1060, SLA	
	ACRN DL	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865584	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106019	CLIN 1060, SLA	
	ACRN DM	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865584	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106020	CLIN 1060, SLA	
	ACRN DN	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865584	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106021	CLIN 1060, SNT Network and Infa	
	ACRNDQ	(b)(4)
	PURCHASE REQUEST NUMBER: HQ01 47865621	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106022	CLIN 1060, Pride	
	ACRNDM	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865630	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106023	CLIN 1060, Pride	
	ACRNDH	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865636	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106024	CLIN 1060, Impact	
	ACRNDM	(b)(4)
	PURCHASE REQUEST NUMBER: HQ01 47865636	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106025	CLIN 1060, Wireless	
	ACRNDS	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865664	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106026	CLIN 1060, Software	
	ACRN DU	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865692	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106027	CLIN 1060, Software	
	ACRNDW	(b)(4)
	PURCHASE REQUEST NUMBER: DO9RJB80211	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106028	CLIN 1060, COTS IUS	
	ACRNAR	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865255	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106029	CLIN 1060, License Renewal	
	ACRNEH	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147866465	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106030	CLIN 1060, ICTA License Renewals	
	ACRN ES	(b)(4)
	PURCHASE REQUEST NUMBER: DO9TMH90108	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106031	CLIN 1060, IT Services Support	
	ACRNFD	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147968566	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106032	CLIN 1060, SW License, Maintenance Renew	
	ACRN FF	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147968343	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106033	CLIN 1060, Information Technology (IT)	
	ACRNFG	(b)(4)
	PURCHASE REQUEST NUMBER: DO9ELD90134	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106034	CLIN 1060, SW Maintenance	
	ACRNFN	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147969240	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106035	CLIN 1060, SW Maintenance	
	ACRNFP	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147969240	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106036	CLIN 1060, SW Maintenance	
	ACRNFM	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147969240	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106037	CLIN 1060, SW Maintenance	
	ACRN FS	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147969275	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106038	CLIN 1060, SW Maintenance	
	ACRN FU	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147969275	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106039	CLIN 1060, Maintenance Renewal	
	ACRN GS	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147970218	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106040	CLIN 1060, Maintenance Renewal	
	ACRN GT	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147970218	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1700	O&M Services/Capabilities CPIF The Contractor shall provide all O& funded services/capabilities identified in the performance work statement (PWS) attached to this task order. All O&M funded task order costs, other than those specifically included in another contract line item number (CLIN), shall be included in this CLIN.  All share ratios are identified as follows: Government/Contractor. The share ratios are subject to revision in accordance with the IRES Performance Evaluation and Incentive Plan (Contract Attachment J-06). All task order CLINs are combined and considered a single entity for the purpose of administering the cost and performance incentives identified in the IRES PEIP. NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent. FOB: Destination	(b)(4)			(b)(4)
				TARGET COST	(b)(4)
				TARGET FEE	
				TOTAL TGT COST + FEE	
				MINIMUM FEE	
				MAXIMUM FEE	
				SHARE RATIO ABOVE TARGET	60/40
				SHARE RATIO BELOW TARGET	40/60

FSC CD: D305

ITEM NO	SUPPLIES/SERVICES	AMOUNT
170001	CLIN 1700, FGA Cable Plant Support  ACRNBH  PURCHASE REQUEST NUMBER: HQ0147863705	(b)(4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
170002	CLIN 1700, O&M Funding	
	ACRNB	(b)(4)
	PURCHASE REQUEST NUMBER: F3RTCM8036G002	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
170003	CLIN 1700, O&M SLA	
	ACRNDP	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865631	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1701		(b)(4)			(b)(4)

O&M Services/Capabilities  
CPIF

The Contractor shall provide all O& funded services/capabilities identified in the performance work statement (PWS) attached to this task order. All O&M funded task order costs, other than those specifically included in another contract line item number (CLIN), shall be included in this CLIN.

All share ratios are identified as follows: Government/Contractor. The share ratios are subject to revision in accordance with the IRES Performance Evaluation and Incentive Plan (Contract Attachment J-06). All task order CLINs are combined and considered a single entity for the purpose of administering the cost and performance incentives identified in the IRES PEIP.

NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.

FOB: Destination

PURCHASE REQUEST NUMBER: HQ0147969736

TARGET COST  
TARGET FEE

TOTAL TGT COST + FEE  
MINIMUM FEE  
MAXIMUM FEE

SHARE RATIO ABOVE TARGET  
SHARE RATIO BELOW TARGET

(b)(4)

FSC CD: D305

ITEM NO	SUPPLIES/SERVICES	AMOUNT
170101		

CLIN 1701, FGA Cable Plant Support

ACRN GP

PURCHASE REQUEST NUMBER: HQ0147970009

(b)(4)

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1740		(b)(4)			(b)(4)

O&M Expensed CAP: IT HW/Equip  
 CPIF

Contractor purchase of expensed contractor-acquired property (CAP)—specifically information technology (IT) hardware (HW)/equipment (equip)—necessary to provide the services/capabilities identified in the PWS attached to this task order. CAP is defined in FAR 52.245-1. IT HW/Equip is a subset of equipment as defined in DoDI 5000.64.

Expensed CAP line items were created as an accounting mechanism designed to provide MDA better visibility and linkage of budget, obligation, expenditure, and government property data. Given the need for this level of visibility and linkage, as well as the need to include these costs as an integral component of the incentives, all task order CLINs are combined and considered a single entity for the purpose of administering the cost and performance incentives identified in the IRES PEIP (Contract Attachment J-06).

All share ratios are identified as follows: Government/Contractor. The share ratios are subject to revision in accordance with the IRES PEIP.

NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.

FOB: Destination

TARGET COST  
 TARGET FEE  
 TOTAL TGT COST + FEE  
 MINIMUM FEE  
 MAXIMUM FEE  
 SHARE RATIO ABOVE TARGET  
 SHARE RATIO BELOW TARGET

(b)(4)

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1760		(b)(4)			(b)(4)

O&M Expensed CAP: COTS IUS  
CPIF

Contractor purchase of expensed contractor-acquired property (CAP)—specifically commercial-off-the-shelf (COTS) internal use software (IUS)—necessary to provide the services/capabilities identified in the PWS attached to this task order. CAP is defined in FAR 52.245-1. COTS IUS is a subset of IUS as defined in DoDI 5000.76.

Expensed CAP line items were created as an accounting mechanism designed to provide MDA better visibility and linkage of budget, obligation, expenditure, and government property data. Given the need for this level of visibility and linkage, as well as the need to include these costs as an integral component of the incentives, all task order CLINs are combined and considered a single entity for the purpose of administering the cost and performance incentives identified in the IRES PEIP (Contract Attachment J-06).

All share ratios are identified as follows: Government/Contractor. The share ratios are subject to revision in accordance with the IRES PEIP.

NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.

FOB: Destination

TARGET COST  
TARGET FEE  
TOTAL TGT COST + FEE  
MINIMUM FEE  
MAXIMUM FEE  
SHARE RATIO ABOVE TARGET  
SHARE RATIO BELOW TARGET

(b)(4)

FSC CD: 7030

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
7500	CLIN 7500, FMS FFP This CLIN provides IT Project Services/ Solutions for FMS funding. The contractor shall provide all services/capabilities identified in the performance work statement (PWS) attached to this task order. All task order costs, other than those specifically included in another contract line item number (CLIN), are included in this CLIN. This CLIN will not be included in the cost/performance incentive defined in the IRES PEIP (Contract Attachment J-06) FOB: Destination PURCHASE REQUEST NUMBER: MIPR8UAFMD1191I	(b)(4)			(b)(4)
NET AMT					(b)(4)

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	AMOUNT
750001	CLIN 7500, AE-BUAF, Line 119  ACRN CF  PURCHASE REQUEST NUMBER: MIPR8UAFMD1191I	(b)(4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
750002	CLIN 7500, AE-B-UAF, Line 085  ACRN CG  PURCHASE REQUEST NUMBER: MIPR8UAFMDA85G	(b)(4)

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
7501		(b)(4)			(b)(4)

CLIN 7501, FMS

FFP

This CLIN provides IT Project Services/Solutions for FMS funding.

The contractor shall provide all services/capabilities identified in the performance work statement (PWS) attached to this task order. All task order costs, other than those specifically included in another contract line item number (CLIN), are included in this CLIN. This CLIN will not be included in the cost/performance incentive defined in the IRES PEIP (Contract Attachment J-06)

FOB: Destination

PURCHASE REQUEST NUMBER: MIPR8UAFMD119H-0001

NET AMT

(b)(4)

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	AMOUNT
750101		

CLIN 7501, FY19 LN119 Funding for IT Ser

ACRN CF

(b)(4)

PURCHASE REQUEST NUMBER:

MIPR9UAFMD119D

ITEM NO	SUPPLIES/SERVICES	AMOUNT
7501 02	CLIN 7501, FY19 IT Services Funding for  ACRNCG	(b)(4)
	PURCHASE REQUEST NUMBER: MIPR9UAFMDA85E	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
7502	CLIN 7502, KSA FMS SRIWIB FFP This CLIN provides IT Project Services/Solutions for FMS funding. The contractor shall provide all services/capabilities identified in the performance work statement (PWS) attached to this task order. All task order costs, other than those specifically included in another contract line item number (CLIN), are included in this CLIN. This CLIN will not be included in the cost/performance incentive defined in the IRES PEIP (Contract Attachment J-06) FOB: Destination PURCHASE REQUEST NUMBER: HQ0147969547	(b)(4)			(b)(4)

NET AMT

(b)(4)

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	AMOUNT
750201	CLIN 7502, KSA Funding  ACRN GH	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147969547	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
7503		(b)(4)			(b)(4)

CLIN 7503, FMS ADMIN SUPPORT  
FFP

This CLIN provides IT Project Services/Solutions for FMS funding.  
The contractor shall provide all services/capabilities identified in the performance work statement (PWS) attached to this task order. All task order costs, other than those specifically included in another contract line item number (CLIN), are included in this CLIN. This CLIN will not be included in the cost/performance incentive defined in the IRES PEIP (Contract Attachment J-06)  
FOB: Destination  
PURCHASE REQUEST NUMBER: HQ0147969542

NET AMT

(b)(4)

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	AMOUNT
750301		

CLIN 7503, FMS ADMIN Funding

ACRNGJ

(b)(4)

PURCHASE REQUEST NUMBER: HQ0147969542

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
7990		1	Lot		NSP

Data  
FFP

The contractor shall deliver all data identified in the contract data requirements lists (CDRL) attached to this task order.

Reference Section G of the basic contract. At the end of the task order period of performance, the contractor shall submit one Invoicing, Receipt, Acceptance, and Property Transfer (iRAPT) receiving report for all data previously delivered.

NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.

FOB: Destination

PURCHASE REQUEST NUMBER: HQ0147862089

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NET AMT

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
7991		20	Lot		NSP

Expensed CAP Delivery  
FFP

Delivery of expensed CAP as required by the IRES Government Property Management Task Order.

NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.

FOB: Destination

PURCHASE REQUEST NUMBER: HQ0147862089

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NET AMT

FSC CD: AC23

Section E - Inspection and Acceptance

INSPECTION AND ACCEPTANCE TERMS

Supplies/services will be inspected/accepted at:

CLIN	INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
1000	Origin	Government	Destination	Government
100001	N/A	N/A	N/A	N/A
100002	N/A	N/A	N/A	N/A
100003	N/A	N/A	N/A	N/A
100004	N/A	N/A	N/A	N/A
100005	N/A	N/A	N/A	N/A
100006	N/A	N/A	N/A	N/A
100007	N/A	N/A	N/A	N/A
100008	N/A	N/A	N/A	N/A
100009	N/A	N/A	N/A	N/A
100010	N/A	N/A	N/A	N/A
100011	N/A	N/A	N/A	N/A
100012	N/A	N/A	N/A	N/A
100013	N/A	N/A	N/A	N/A
100014	N/A	N/A	N/A	N/A
100015	N/A	N/A	N/A	N/A
100016	N/A	N/A	N/A	N/A
100017	N/A	N/A	N/A	N/A
100018	N/A	N/A	N/A	N/A
100020	N/A	N/A	N/A	N/A
100021	N/A	N/A	N/A	N/A
100022	N/A	N/A	N/A	N/A
100023	N/A	N/A	N/A	N/A
100024	N/A	N/A	N/A	N/A
100025	N/A	N/A	N/A	N/A
100026	N/A	N/A	N/A	N/A
100027	N/A	N/A	N/A	N/A
100028	N/A	N/A	N/A	N/A
100029	N/A	N/A	N/A	N/A
100030	N/A	N/A	N/A	N/A
100031	N/A	N/A	N/A	N/A
100032	N/A	N/A	N/A	N/A
100033	N/A	N/A	N/A	N/A
100034	N/A	N/A	N/A	N/A
100035	N/A	N/A	N/A	N/A
100036	N/A	N/A	N/A	N/A
100037	N/A	N/A	N/A	N/A
100038	N/A	N/A	N/A	N/A
100039	N/A	N/A	N/A	N/A
100040	N/A	N/A	N/A	N/A
100041	N/A	N/A	N/A	N/A
100042	N/A	N/A	N/A	N/A
100043	N/A	N/A	N/A	N/A
100044	N/A	N/A	N/A	N/A

100045	N/A	N/A	N/A	N/A
100046	N/A	N/A	N/A	N/A
100047	N/A	N/A	N/A	N/A
100048	N/A	N/A	N/A	N/A
100049	N/A	N/A	N/A	N/A
100050	N/A	N/A	N/A	N/A
100051	N/A	N/A	N/A	N/A
100052	N/A	N/A	N/A	N/A
100053	N/A	N/A	N/A	N/A
100054	N/A	N/A	N/A	N/A
100055	N/A	N/A	N/A	N/A
100056	N/A	N/A	N/A	N/A
100057	N/A	N/A	N/A	N/A
100058	N/A	N/A	N/A	N/A
100059	N/A	N/A	N/A	N/A
100060	N/A	N/A	N/A	N/A
100061	N/A	N/A	N/A	N/A
100062	N/A	N/A	N/A	N/A
100063	N/A	N/A	N/A	N/A
100064	N/A	N/A	N/A	N/A
100065	N/A	N/A	N/A	N/A
100066	N/A	N/A	N/A	N/A
100067	N/A	N/A	N/A	N/A
100068	N/A	N/A	N/A	N/A
100069	N/A	N/A	N/A	N/A
100070	N/A	N/A	N/A	N/A
100071	N/A	N/A	N/A	N/A
100072	N/A	N/A	N/A	N/A
100073	N/A	N/A	N/A	N/A
100074	N/A	N/A	N/A	N/A
100075	N/A	N/A	N/A	N/A
1040	Origin	Government	Destination	Government
104001	N/A	N/A	N/A	N/A
104002	N/A	N/A	N/A	N/A
104003	N/A	N/A	N/A	N/A
104004	N/A	N/A	N/A	N/A
104005	N/A	N/A	N/A	N/A
104006	N/A	N/A	N/A	N/A
104007	N/A	N/A	N/A	N/A
104008	N/A	N/A	N/A	N/A
104009	N/A	N/A	N/A	N/A
104010	N/A	N/A	N/A	N/A
104011	N/A	N/A	N/A	N/A
104012	N/A	N/A	N/A	N/A
104013	N/A	N/A	N/A	N/A
104014	N/A	N/A	N/A	N/A
104015	N/A	N/A	N/A	N/A
104016	N/A	N/A	N/A	N/A
104017	N/A	N/A	N/A	N/A
104018	N/A	N/A	N/A	N/A
104019	N/A	N/A	N/A	N/A
104020	N/A	N/A	N/A	N/A
104021	N/A	N/A	N/A	N/A
104022	N/A	N/A	N/A	N/A
104023	N/A	N/A	N/A	N/A

104024	N/A	N/A	N/A	N/A
104025	N/A	N/A	N/A	N/A
104026	N/A	N/A	N/A	N/A
104027	N/A	N/A	N/A	N/A
104028	N/A	N/A	N/A	N/A
104029	N/A	N/A	N/A	N/A
104030	N/A	N/A	N/A	N/A
104031	N/A	N/A	N/A	N/A
104032	N/A	N/A	N/A	N/A
104033	N/A	N/A	N/A	N/A
104034	N/A	N/A	N/A	N/A
104035	N/A	N/A	N/A	N/A
104036	N/A	N/A	N/A	N/A
104037	N/A	N/A	N/A	N/A
104038	N/A	N/A	N/A	N/A
104039	N/A	N/A	N/A	N/A
104040	N/A	N/A	N/A	N/A
104041	N/A	N/A	N/A	N/A
104042	N/A	N/A	N/A	N/A
104043	N/A	N/A	N/A	N/A
104044	N/A	N/A	N/A	N/A
104045	N/A	N/A	N/A	N/A
104046	N/A	N/A	N/A	N/A
104047	N/A	N/A	N/A	N/A
104048	N/A	N/A	N/A	N/A
104049	N/A	N/A	N/A	N/A
104050	N/A	N/A	N/A	N/A
104051	N/A	N/A	N/A	N/A
104052	N/A	N/A	N/A	N/A
104053	N/A	N/A	N/A	N/A
104054	N/A	N/A	N/A	N/A
104055	N/A	N/A	N/A	N/A
104056	N/A	N/A	N/A	N/A
104057	N/A	N/A	N/A	N/A
104058	N/A	N/A	N/A	N/A
104059	N/A	N/A	N/A	N/A
104060	N/A	N/A	N/A	N/A
104061	N/A	N/A	N/A	N/A
104062	N/A	N/A	N/A	N/A
104063	N/A	N/A	N/A	N/A
104064	N/A	N/A	N/A	N/A
104065	N/A	N/A	N/A	N/A
1060	Origin	Government	Destination	Government
106001	N/A	N/A	N/A	N/A
106002	N/A	N/A	N/A	N/A
106003	N/A	N/A	N/A	N/A
106004	N/A	N/A	N/A	N/A
106005	N/A	N/A	N/A	N/A
106006	N/A	N/A	N/A	N/A
106007	N/A	N/A	N/A	N/A
106008	N/A	N/A	N/A	N/A
106009	N/A	N/A	N/A	N/A
106010	N/A	N/A	N/A	N/A
106011	N/A	N/A	N/A	N/A
106012	N/A	N/A	N/A	N/A

106013	N/A	N/A	N/A	N/A
106014	N/A	N/A	N/A	N/A
106015	N/A	N/A	N/A	N/A
106016	N/A	N/A	N/A	N/A
106017	N/A	N/A	N/A	N/A
106018	N/A	N/A	N/A	N/A
106019	N/A	N/A	N/A	N/A
106020	N/A	N/A	N/A	N/A
106021	N/A	N/A	N/A	N/A
106022	N/A	N/A	N/A	N/A
106023	N/A	N/A	N/A	N/A
106024	N/A	N/A	N/A	N/A
106025	N/A	N/A	N/A	N/A
106026	N/A	N/A	N/A	N/A
106027	N/A	N/A	N/A	N/A
106028	N/A	N/A	N/A	N/A
106029	N/A	N/A	N/A	N/A
106030	N/A	N/A	N/A	N/A
106031	N/A	N/A	N/A	N/A
106032	N/A	N/A	N/A	N/A
106033	N/A	N/A	N/A	N/A
106034	N/A	N/A	N/A	N/A
106035	N/A	N/A	N/A	N/A
106036	N/A	N/A	N/A	N/A
106037	N/A	N/A	N/A	N/A
106038	N/A	N/A	N/A	N/A
106039	N/A	N/A	N/A	N/A
106040	N/A	N/A	N/A	N/A
1700	Origin	Government	Destination	Government
170001	N/A	N/A	N/A	N/A
170002	N/A	N/A	N/A	N/A
170003	N/A	N/A	N/A	N/A
1701	Origin	Government	Destination	Government
170101	N/A	N/A	N/A	N/A
1740	Origin	Government	Destination	Government
1760	Origin	Government	Destination	Government
7500	Origin	Government	Destination	Government
750001	N/A	N/A	N/A	N/A
750002	N/A	N/A	N/A	N/A
7501	Origin	Government	Destination	Government
750101	N/A	N/A	N/A	N/A
750102	N/A	N/A	N/A	N/A
7502	Origin	Government	Destination	Government
750201	N/A	N/A	N/A	N/A
7503	Origin	Government	Destination	Government
750301	N/A	N/A	N/A	N/A
7990	Origin	Government	Destination	Government
7991	Destination	Government	Destination	Government

Section F - Deliveries or Performance

DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	DODAAC / CAGE
1000	POP 05-MAR-2018 TO 04-SEP-2022	N/A	MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 FOB: Destination	HQ0796
100001	N/A	N/A	N/A	N/A
100002	N/A	N/A	N/A	N/A
100003	N/A	N/A	N/A	N/A
100004	N/A	N/A	N/A	N/A
100005	N/A	N/A	N/A	N/A
100006	N/A	N/A	N/A	N/A
100007	N/A	N/A	N/A	N/A
100008	N/A	N/A	N/A	N/A
100009	N/A	N/A	N/A	N/A
100010	N/A	N/A	N/A	N/A
100011	N/A	N/A	N/A	N/A
100012	N/A	N/A	N/A	N/A
100013	N/A	N/A	N/A	N/A
100014	N/A	N/A	N/A	N/A
100015	N/A	N/A	N/A	N/A
100016	N/A	N/A	N/A	N/A
100017	N/A	N/A	N/A	N/A
100018	N/A	N/A	N/A	N/A
100020	N/A	N/A	N/A	N/A

100021	N/A	N/A	N/A	N/A
100022	N/A	N/A	N/A	N/A
100023	N/A	N/A	N/A	N/A
100024	N/A	N/A	N/A	N/A
100025	N/A	N/A	N/A	N/A
100026	N/A	N/A	N/A	N/A
100027	N/A	N/A	N/A	N/A
100028	N/A	N/A	N/A	N/A
100029	N/A	N/A	N/A	N/A
100030	N/A	N/A	N/A	N/A
100031	N/A	N/A	N/A	N/A
100032	N/A	N/A	N/A	N/A
100033	N/A	N/A	N/A	N/A
100034	N/A	N/A	N/A	N/A
100035	N/A	N/A	N/A	N/A
100036	N/A	N/A	N/A	N/A
100037	N/A	N/A	N/A	N/A
100038	N/A	N/A	N/A	N/A
100039	N/A	N/A	N/A	N/A
100040	N/A	N/A	N/A	N/A
100041	N/A	N/A	N/A	N/A
100042	N/A	N/A	N/A	N/A
100043	N/A	N/A	N/A	N/A
100044	N/A	N/A	N/A	N/A
100045	N/A	N/A	N/A	N/A
100046	N/A	N/A	N/A	N/A
100047	N/A	N/A	N/A	N/A

100048	N/A	N/A	N/A	N/A
100049	N/A	N/A	N/A	N/A
100050	N/A	N/A	N/A	N/A
100051	N/A	N/A	N/A	N/A
100052	N/A	N/A	N/A	N/A
100053	N/A	N/A	N/A	N/A
100054	N/A	N/A	N/A	N/A
100055	N/A	N/A	N/A	N/A
100056	N/A	N/A	N/A	N/A
100057	N/A	N/A	N/A	N/A
100058	N/A	N/A	N/A	N/A
100059	N/A	N/A	N/A	N/A
100060	N/A	N/A	N/A	N/A
100061	N/A	N/A	N/A	N/A
100062	N/A	N/A	N/A	N/A
100063	N/A	N/A	N/A	N/A
100064	N/A	N/A	N/A	N/A
100065	N/A	N/A	N/A	N/A
100066	N/A	N/A	N/A	N/A
100067	N/A	N/A	N/A	N/A
100068	N/A	N/A	N/A	N/A
100069	N/A	N/A	N/A	N/A
100070	N/A	N/A	N/A	N/A
100071	N/A	N/A	N/A	N/A
100072	N/A	N/A	N/A	N/A
100073	N/A	N/A	N/A	N/A
100074	N/A	N/A	N/A	N/A
100075	N/A	N/A	N/A	N/A

1040	04-SEP-2022	I	MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 FOB: Destination	HQ0796
104001	N/A	N/A	N/A	N/A
104002	N/A	N/A	N/A	N/A
104003	N/A	N/A	N/A	N/A
104004	N/A	N/A	N/A	N/A
104005	N/A	N/A	N/A	N/A
104006	N/A	N/A	N/A	N/A
104007	N/A	N/A	N/A	N/A
104008	N/A	N/A	N/A	N/A
104009	N/A	N/A	N/A	N/A
104010	N/A	N/A	N/A	N/A
104011	N/A	N/A	N/A	N/A
104012	N/A	N/A	N/A	N/A
104013	N/A	N/A	N/A	N/A
104014	N/A	N/A	N/A	N/A
104015	N/A	N/A	N/A	N/A
104016	N/A	N/A	N/A	N/A
104017	N/A	N/A	N/A	N/A
104018	N/A	N/A	N/A	N/A
104019	N/A	N/A	N/A	N/A
104020	N/A	N/A	N/A	N/A
104021	N/A	N/A	N/A	N/A
104022	N/A	N/A	N/A	N/A
104023	N/A	N/A	N/A	N/A
104024	N/A	N/A	N/A	N/A

104025	N/A	N/A	N/A	N/A
104026	N/A	N/A	N/A	N/A
104027	N/A	N/A	N/A	N/A
104028	N/A	N/A	N/A	N/A
104029	N/A	N/A	N/A	N/A
104030	N/A	N/A	N/A	N/A
104031	N/A	N/A	N/A	N/A
104032	N/A	N/A	N/A	N/A
104033	N/A	N/A	N/A	N/A
104034	N/A	N/A	N/A	N/A
104035	N/A	N/A	N/A	N/A
104036	N/A	N/A	N/A	N/A
104037	N/A	N/A	N/A	N/A
104038	N/A	N/A	N/A	N/A
104039	N/A	N/A	N/A	N/A
104040	N/A	N/A	N/A	N/A
104041	N/A	N/A	N/A	N/A
104042	N/A	N/A	N/A	N/A
104043	N/A	N/A	N/A	N/A
104044	N/A	N/A	N/A	N/A
104045	N/A	N/A	N/A	N/A
104046	N/A	N/A	N/A	N/A
104047	N/A	N/A	N/A	N/A
104048	N/A	N/A	N/A	N/A
104049	N/A	N/A	N/A	N/A
104050	N/A	N/A	N/A	N/A
104051	N/A	N/A	N/A	N/A

104052	N/A	N/A	N/A	N/A
104053	N/A	N/A	N/A	N/A
104054	N/A	N/A	N/A	N/A
104055	N/A	N/A	N/A	N/A
104056	N/A	N/A	N/A	N/A
104057	N/A	N/A	N/A	N/A
104058	N/A	N/A	N/A	N/A
104059	N/A	N/A	N/A	N/A
104060	N/A	N/A	N/A	N/A
104061	N/A	N/A	N/A	N/A
104062	N/A	N/A	N/A	N/A
104063	N/A	N/A	N/A	N/A
104064	N/A	N/A	N/A	N/A
104065	N/A	N/A	N/A	N/A
1060	04-SEP-2022	1	MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 FOB: Destination	IIQ0796
106001	N/A	N/A	N/A	N/A
106002	N/A	N/A	N/A	N/A
106003	N/A	N/A	N/A	N/A
106004	N/A	N/A	N/A	N/A
106005	N/A	N/A	N/A	N/A
106006	N/A	N/A	N/A	N/A
106007	N/A	N/A	N/A	N/A
106008	N/A	N/A	N/A	N/A
106009	N/A	N/A	N/A	N/A
106010	N/A	N/A	N/A	N/A

106011	N/A	N/A	N/A	N/A
106012	N/A	N/A	N/A	N/A
106013	N/A	N/A	N/A	N/A
106014	N/A	N/A	N/A	N/A
106015	N/A	N/A	N/A	N/A
106016	N/A	N/A	N/A	N/A
106017	N/A	N/A	N/A	N/A
106018	N/A	N/A	N/A	N/A
106019	N/A	N/A	N/A	N/A
106020	N/A	N/A	N/A	N/A
106021	N/A	N/A	N/A	N/A
106022	N/A	N/A	N/A	N/A
106023	N/A	N/A	N/A	N/A
106024	N/A	N/A	N/A	N/A
106025	N/A	N/A	N/A	N/A
106026	N/A	N/A	N/A	N/A
106027	N/A	N/A	N/A	N/A
106028	N/A	N/A	N/A	N/A
106029	N/A	N/A	N/A	N/A
106030	N/A	N/A	N/A	N/A
106031	N/A	N/A	N/A	N/A
106032	N/A	N/A	N/A	N/A
106033	N/A	N/A	N/A	N/A
106034	N/A	N/A	N/A	N/A
106035	N/A	N/A	N/A	N/A
106036	N/A	N/A	N/A	N/A
106037	N/A	N/A	N/A	N/A
106038	N/A	N/A	N/A	N/A

106039	N/A	N/A	N/A	N/A
106040	N/A	N/A	N/A	N/A
1700	POP 05-MAR-2018 TO 04-MAR-2019	N/A	MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 FOB: Destination	HQ0796
170001	N/A	N/A	N/A	N/A
170002	N/A	N/A	N/A	N/A
170003	N/A	N/A	N/A	N/A
1701	POP 05-MAR-2019 TO 04-MAR-2020	N/A	MISSILE DEFENSE AGENCY (MDA) (b)(6) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 (b)(6) FOB: Destination	HQ0796
170101	N/A	N/A	N/A	N/A
1740	04-MAR-2019	1	MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 FOB: Destination	HQ0796
1760	04-MAR-2019	1	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796
7500	POP 05-MAR-2018 TO 31-OCT-2018	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796
750001	N/A	N/A	N/A	N/A
750002	N/A	N/A	N/A	N/A
7501	POP 01-NOV-2018 TO 31-OCT-2019	N/A	MISSILE DEFENSE AGENCY (MDA) (b)(6) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 (b)(6) FOB: Destination	HQ0796

750101	N/A	N/A	N/A	N/A
750102	N/A	N/A	N/A	N/A
7502	POP 27-FEB-2019 TO 31-OCT-2019	N/A	N/A FOB: Destination	
750201	N/A	N/A	N/A	N/A
7503	POP 27-FEB-2019 TO 31-OCT-2019	N/A	N/A FOB: Destination	
750301	N/A	N/A	N/A	N/A
7990	POP 05-MAR-2018 TO 04-SEP-2022	N/A	MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 FOB: Destination	HQ0796
7991	POP 05-MAR-2018 TO 04-SEP-2022	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796

Section G - Contract Administration Data

LIMITATION OF FUNDS

Pursuant to the "Limitation of Funds" clause (FAR 52.232-22), the total sum presently available for payment by the Government and allotted to each contract line item is:

CLIN	Cost	Fee	Total	Approximate Run Out Date
1000	(b)(4)			30-Oct-19
1040				27-Jul-19
1060				11-Mar-20
1700				4-Sep-22
1701				9-Jan-20
7500				31-Oct-18
7501				31-Oct-19
7502				31-Oct-19
7503				31-Oct-19

PRICED PROSPECTIVE WORK PKG

PRICED PROSPECTIVE WORK PACKAGE

Priced Prospective Work Packages (PPWPs) represent potential requirements included in the Performance Work Statement (PWS) that are priced and negotiated, but not yet awarded. The PPWP may be awarded/executed in accordance with clause H-03, Task Orders at a later date with a bilateral modification to the task order if/when the requirement is ultimately needed and funded. The PPWPs negotiated to date are included in the PWS.

A summary of the negotiated PPWPs is contained in Attachment 2.

DFAS PAYMENT INSTRUCTIONS

The payment office shall allocate and record the amounts paid to the accounting classification citations in the contract based on the type of payment request submitted (see DFARS 252.232-7006) and the type of effort using the table found at [https://www.acq.osd.mil/dpap/dars/pgi/pgi.htm/current/PGI204\\_71.htm#payment\\_instructions](https://www.acq.osd.mil/dpap/dars/pgi/pgi.htm/current/PGI204_71.htm#payment_instructions).

ACCOUNTING AND APPROPRIATION DATA

AA: 044411 097 0400 000 N 20182019 D 2520 Z4_SD30P_FY18	IT-211A-FY1819	711C	255
AMOUNT: (b)(4)			
AB: 044411 097 0400 000 N 20182019 D 2520 Z4_SC30P_FY18	IT-211D-FY1819	711C	310
AMOUNT: (b)(4)			
AC: 044411 097 0400 000 N 20182019 D 2520 Z4_SC30P_FY18	IT-211E-FY1819	711C	310
AMOUNT: (b)(4)			
AD: 044411 097 0400 000 N 20182019 D 2520 X5_SDI1P_FY18	IT-00-FY1819	711C	255

AMOUNT: \$1,050,000.00

AE: 04441 097 0400.000 N 20182019 D 2520 XL_SD01P_FY18 AMOUNT: (b)(4)	IT-00-FY1819	71IC	255
AF: 04441 097 0400.000 N 20182019 D 2520 YY_SD99P_FY18 AMOUNT: (b)(4)	IT-00-FY1819	71IC	255
AG: 04441 097 0400.000 N 20182019 D 2520 XL_SD22P_FY18 AMOUNT: (b)(4)	IC-1101-FY1819	71IC	255
AH: 04441 097 0400.000 N 20182019 D 2520 XL_SD22P_FY18 AMOUNT: (b)(4)	IC-1103-FY1819	71IC	255
AJ: 04441 097 0400.000 N 20182019 D 2520 XL_SD22P_FY18 AMOUNT: (b)(4)	IC-1102-FY1819	71IC	255
AK: 04441 097 0400.000 N 20182019 D 2520 XC_SX09P_FY18 AMOUNT: (b)(4)	AB-115SH-FY1819	71AB	255
AL: 04441 097 0400.000 N 20182019 D 2520 Z4_SD28P_FY18 AMOUNT: (b)(4)	TI-00-FY1819	71DE	310
AM: 04441 097 0400.000 N 20182019 D 2520 XC_SD09P_FY18 AMOUNT: (b)(4)	SE-00-FY1819	71DE	310
AN: 04441 097 0400.000 N 20182019 D 2520 XK_SD03P_FY18 AMOUNT: (b)(4)	DW-X1-FY1819	71DD	310
AP: 04441 097 0400.000 N 20182019 D 2520 Z4_SD32P_FY18 AMOUNT: (b)(4)	A4-A1-FY1819	71QS	310
AQ: 04441 097 0400.000 N 20182019 D 2520 XL_SD22P_FY18 AMOUNT: (b)(4)	IC-1102-FY1819	71IC	310
AR: 04441 097 0400.000 N 20182019 D 2520 X5_SD11P_FY18 AMOUNT: (b)(4)	SN-PMO-FY1819	71SN	310
AS: 04441 097 0400.000 N 20182019 D 2520 YN_SC71P_FY18 AMOUNT: (b)(4)	AC-00-FY1819	71DV	255
AT: 04441 097 0400.000 N 20182019 D 2520 YN_SD71P_FY18 AMOUNT: (b)(4)	AC-00-FY1819	71DV	310
AU: 04441 097 0400.000 N 20182019 D 2520 YN_SD71P_FY18 AMOUNT: (b)(4)	AC-00-FY1819	71DV	255
AW: 04441 097 0400.000 N 20182019 D 2520 Z4_SD30P_FY18 AMOUNT: (b)(4)	IT-21IC-FY1819	71IC	310
AX: 04441 097 0400.000 N 20182019 D 2520 XC_SD40P_FY18 AMOUNT: (b)(4)	IO-A0IT-FY1819	71MII	310
AY: 04441 097 0400.000 N 20182019 D 2520 YG_ST05P_FY18 AMOUNT: (b)(4)	RE-06-FY1819	71TC	310
AZ: 04441 097 0400.000 N 20172018 D 2520 X2_SD40P_FY17 AMOUNT: (b)(4)	IO-A0DI-FY1718	71MH	255
BA: 04441 097 0400.000 N 20172018 D 2520 X2_SD40P_FY17 AMOUNT: (b)(4)	IO-A0DI-FY1718	71MH	310
BB: 04441 097 0400.000 N 20182019 D 2520 XK_SD03P_FY18 AMOUNT: (b)(4)	DW-T1-FY1819	71DD	255

BC: 04441 1 097 0400.000 N 20182019 D 2520 X1_SD01P_FY18 AMOUNT: (b)(4)	IT-00-FY1819	71IC	310
BD: 04441 1 097 0400.000 N 20182019 D 2520 X5_SD11P_FY18 AMOUNT: (b)(4)	IT-00-FY1819	71IC	310
BE: 04441 1 097 0400.000 N 20182019 D 2520 Z4_SD30P_FY18 AMOUNT: (b)(4)	IT-211D-FY1819	71IC	310
BF: 04441 1 097 0400.000 N 20182019 D 2520 Z4_SD30P_FY18 AMOUNT: (b)(4)	IT-211E-FY1819	71IC	310
BG: 04441 1 097 0400.000 N 20182019 D 2520 X1_SD01P_FY18 AMOUNT: (b)(4)	B1-BC110-FY1819	71BC	310
BH: 04441 1 097 0100.000 N 20182018 D 25202P_SO08P_FY18 AMOUNT: (b)(4)	GM-GMS-FY1818	71GM	233
BJ: 578340 0 308 32MD E30400 010000 44000 11320F 503000 F03000 AMOUNT: (b)(4)			
BK: 04441 1 097 0400.000 N 20182019 D 2520 XU_SD20P_FY18 AMOUNT: (b)(4)	UT-J0-FY1819	71IP	255
BL: 04441 1 097 0400.000 N 20182019 D 2520 Y5_SD96P_FY18 AMOUNT: (b)(4)	LR-15LRP-FY1819	71SN	310
BM: 04441 1 097 0400.000 N 20182019 D 2520 X3_SD08P_FY18 AMOUNT: (b)(4)	ES-00-FY1819	71DE	310
BN: 04441 1 097 0400.000 N 20172018 D 2520 YF_ST04P_FY17 AMOUNT: (b)(4)	DT-1A-FY1718	71DT	310
BP: 04441 1 097 0400.000 N 20182019 D 2520 XC_SX09P_FY18 AMOUNT: (b)(4)	AB-115SH-FY1819	71AB	310
BQ: 04441 1 097 0400.000 N 20182019 D 2520 YR_SD25P_FY18 AMOUNT: (b)(4)	DV-00-FY1819	71DV	310
BR: 04441 1 097 0400.000 N 20182019 D 2520 YF_ST04P_FY18 AMOUNT: (b)(4)	DT-1A-FY1819	71DT	310
BS: 04441 1 097 0400.000 N 20182019 D 2520 XL_SD22P_FY18 AMOUNT: (b)(4)	IC-1105-FY1819	71IC	255
BT: 04441 1 097 0400.000 N 20182019 D 2520 XL_SD22P_FY18 AMOUNT: (b)(4)	IC-1106-FY1819	71IC	255
BU: 04441 1 097 0400.000 N 20182019 D 2520 X3_SD08P_FY18 AMOUNT: (b)(4)	01-10-FY1819	71GM	255
BV: 04441 1 097 0400.000 N 20182019 D 2520 YY_SD98P_FY18 AMOUNT: (b)(4)	DE-10-FY1819	71DV	310
BW: 4441 1 097 0400.000 N 20182019 D 2520 SV_SD12P_FY18 AMOUNT: (b)(4)	A1-D0-FY1819	71SS	310
BX: 9780400 2520 18 BM 2520 40603891C00 255X S12109 MD8D27PA0C0148 820004 AMOUNT: (b)(4)			
BY: 04441 1 097 0400.000 N 20182019 D 2520 X1_SC01P_FY18 AMOUNT: (b)(4)	B5-BCXNP-FY1819	71BC	255
BZ: 04441 1 097 0400.000 N 20182019 D 2520 Z4_SC30P_FY18 AMOUNT: (b)(4)	IT-511A-FY1819	71IC	310

CA: 044411 097 0400 000 N 20182019 D 2520 X2_SD07P_FY18 AMOUNT: (b)(4)	ET-00D1-FY1819	71TH	310
CB: 044411 097 0400 000 N 20182019 D 2520 YF_SC04P_FY18 AMOUNT: (b)(4)	DT-ICDS-FY1819	71DT	255
CC: 044411 097 0400 000 N 20172018 D 2520 Z4_SD30P_FY17 AMOUNT: (b)(4)	IT-00-FY1718	71IC	255
CD: 044411 097 0400 000 N 20172018 D 2520 Z4_SC30P_FY17 AMOUNT: (b)(4)	IT-00-FY1718	71IC	255
CE: 044411 097 0400 000 N 20182019 D 2520 X3_SD08P_FY18 AMOUNT: (b)(4)	01-DIHD-FY1819	71GM	255
CF: 97 11 X 8242 AEO1 6X 5L69 UAF119 EOR: 31EM S01021 AMOUNT: (b)(4)			
CG: 97 11 X 8242 AEO1 6X 5L69 UAF085 EOR: 31EM S01021 AMOUNT: (b)(4)			
CH: 044411 097 0400 000 N 20182019 D 2520 XL_SC22P_FY18 AMOUNT: (b)(4)	CO-00-FY1819	71IC	310
CJ: 044411 097 0400 000 N 20182019 D 2520 Z4_SC30P_FY18 AMOUNT: (b)(4)	IT-21IA-FY1819	71IC	255
CK: 044411 097 0400 000 N 20172018 D 2520 YU_SD40P_FY17 AMOUNT: (b)(4)	IO-A0DSS-FY1718	71MH	255
CL: 044411 097 0400 000 N 20172018 D 2520 YU_SD40P_FY17 AMOUNT: (b)(4)	IO-A0DSS-FY1718	71MH	310
CM: 9780400 2520 18 BM 2520 40603882C00 255Y S12109 MD8D08PA0C0174 820001 AMOUNT: (b)(4)			
CN: 9780400 2520 18 BM 2520 40603891C00 255X S12109 MD8D27PA0C0173 820004 AMOUNT: (b)(4)			
CP: 044411 097 0400 000 N 20182019 D 2520 Y3_SD40P_FY18 AMOUNT: (b)(4)	IO-A0DOB-FY1819	71MH	310
CQ: 044411 097 0400 000 N 20182019 D 2520 XC_SX09P_FY18 AMOUNT: (b)(4)	AB-115AS-FY1819	71AB	255
CR: 044411 097 0400 000 N 20182019 D 2520 SC_SD40P_FY18 AMOUNT: (b)(4)	IO-A0DS-FY1819	71MH	255
CS: 044411 097 0400 000 N 20172018 D 2520 S5_SD40P_FY17 AMOUNT: (b)(4)	IO-10PA-FY1718	71MH	310
CT: 044411 097 0400 000 N 20182019 D 2520 XK_SD03P_FY18 AMOUNT: (b)(4)	DW-T1-FY1819	71DD	310
CU: 044411 097 0400 000 N 20182019 D 2520 X3_SD08P_FY18 AMOUNT: (b)(4)	01-SLA-FY1819	71GM	310
CV: 044411 097 0400 000 N 20182019 D 2520 XU_SD20P_FY18 AMOUNT: (b)(4)	UT-J0-FY1819	71IP	310
CW: 044411 097 0400 000 N 20182019 D 2520 X5_SD11P_FY18 AMOUNT: (b)(4)	S1-TPY2-FY1819	71SN	310
CX: 9780400 2520 18 BM 2520 40603891C00 255X S12109 MD8D27PA0C0207 820004			

AMOUNT: \$61,303.00

CY: 044411 097 0400.000 N 20182019 D 2520 XL_SD22P_FY18 AMOUNT: (b)(4)	IC-S1-FY1819	71IC	255
CZ: 044411 097 0400.000 N 20182019 D 2520 XP_SD40P_FY18 AMOUNT: (b)(4)	IO-HOLMS-FY1819	71MH	310
DA: 044411 097 0400.000 N 20182019 D 2520 XK_SD40P_FY18 AMOUNT: (b)(4)	IO-A0DPI-FY1819	71MH	310
DB: 044411 097 0400.000 N 20182019 D 2520 YG_ST05P_FY18 AMOUNT: (b)(4)	RE-06-FY1819	71TC	255
DC: 044411 097 0400.000 N 20182019 D 2520 XI_SC01P_FY18 AMOUNT: (b)(4)	B5-BCXNP-FY1819	71BC	310
DD: 044411 097 0400.000 N 20182019 D 2520 X5_SD11P_FY18 AMOUNT: (b)(4)	S2-SNESP-FY1819	71SN	255
DE: 044411 097 0400.000 N 20172018 D 2520 YQ_SD40P_FY17 AMOUNT: (b)(4)	IO-A0SLA-FY1718	71MH	255
DF: 044411 097 0400.000 N 20172018 D 2520 YQ_SD40P_FY17 AMOUNT: (b)(4)	IO-A0SLA-FY1718	71MH	310
DG: 044411 097 0400.000 N 20172018 D 2520 XD_SD40P_FY17 AMOUNT: (b)(4)	IO-A0SLA-FY1718	71MH	310
DH: 044411 097 0400.000 N 20172018 D 2520 YU_SD40P_FY17 AMOUNT: (b)(4)	IO-A0SLA-FY1718	71MH	310
DJ: 044411 097 0400.000 N 20172018 D 2520 X2_SD40P_FY17 AMOUNT: (b)(4)	IO-A0SLA-FY1718	71MH	310
DK: 044411 097 0400.000 N 20172018 D 2520 X3_SD40P_FY17 AMOUNT: (b)(4)	IO-A0SLA-FY1718	71MH	310
DL: 044411 097 0400.000 N 20172018 D 2520 XC_SD40P_FY17 AMOUNT: (b)(4)	IO-A0SLA-FY1718	71MH	310
DM: 044411 097 0400.000 N 20182019 D 2520 Z4_SD40P_FY18 AMOUNT: (b)(4)	IO-A0SLA-FY1819	71MH	310
DN: 044411 097 0400.000 N 20172018 D 2520 X5_SD40P_FY17 AMOUNT: (b)(4)	IO-A0LSA-FY1718	71MH	310
DP: 044411 097 0400.000 N 20182018 D 2520 2P_SO07P_FY18 AMOUNT: (b)(4)	TH-00L3-FY1818	71TH	233
DQ: 044411 097 0400.000 N 20182019 D 2520 S5_ST11P_FY18 AMOUNT: (b)(4)	F2-IC-FY1819	71SN	310
DR: 044411 097 0400.000 N 20182019 D 2520 SC_SD40P_FY18 AMOUNT: (b)(4)	IO-A0DSS-FY1819	71MH	310
DS: 044411 097 0400.000 N 20182019 D 2520 XI_ST01P_FY18 AMOUNT: (b)(4)	B5-BCXNP-FY1819	71BC	310
DT: 044411 097 0400.000 N 20182019 D 2520 X2_SD40P_FY18 AMOUNT: (b)(4)	IO-A0DA-FY1819	71MH	255
DU: 044411 097 0400.000 N 20182019 D 2520 XC_SC09P_FY18 AMOUNT: (b)(4)	AB-115CB-FY1819	71AB	310

DV: 9780400252018BM25204060389IC00255X S12109 MD8D27PA0C0210 820004  
AMOUNT (b)(4)

DW: 9780400252018BM25204060389IC00255X S12109 MD8D27PA0C0211 820004  
AMOUNT (b)(4)

DX: 0444110970400000 N 20182019 D 2520 SC\_SD40P\_FY18 IO-A0DS-FY1819 71MH 310  
AMOUNT (b)(4)

DY: 0444110970400000 N 20182019 D 2520X2\_SD07P\_FY18 ET-00-FY1819 71TH 255  
AMOUNT (b)(4)

DZ: 9780400252018BM25204060389IC00255X S12109 MD8D27PA0C0213 820004  
AMOUNT (b)(4)

EA: 9780400252018BM25204060389IC00255X S12109 MD8D27PA0C0224 820004  
AMOUNT (b)(4)

EB: 0444110970400000 N 20182019 D 2520 Z4\_SD32P\_FY18 A4-A1-FY1819 71QS 255  
AMOUNT (b)(4)

EC: 0444110970400000 N 20182019 D 2520X2\_SD07P\_FY18 IT-00-FY1819 71IC 255  
AMOUNT (b)(4)

ED: 0444110970400000 N 20182019 D 2520 X3\_SD08P\_FY18 IT-00-FY1819 71IC 255  
AMOUNT (b)(4)

EE: 0444110970400000 N 20182019 D 2520 XC\_SX09P\_FY18 IT-00-FY1819 71IC 255  
AMOUNT (b)(4)

EF: 0444110970400000 N 20172018 D 2520 YF\_ST04P\_FY17 DT-F4-FY1718 71DT 255  
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EG: 0444110970400000 N 20182019 D 2520 XC\_SD09P\_FY18 SE-00-FY1819 71DE 255  
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AG	100006	HQ01478633860004	
AH	100007	HQ01478633860006	
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(b)(4)

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(b)(4)

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GU	100075	HQ01479701650001

(b)(4)

#### CLAUSES INCORPORATED BY REFERENCE

52.232-22 Limitation Of Funds

APR 1984

#### BILLING/PAYMENT INSTRUCTIONS

Payments for contract line item numbers 1000, 1040, 1060, 1700, and 1701 will be made in accordance with FAR 52.216-7, Allowable Cost and Payment. Payments and the fee payable are subject to adjustments in accordance with FAR 52.216-10, Incentive Fee, and performance assessments conducted in accordance with the IRES Performance Evaluation and Incentive Plan (Contract Attachment J-06).

In accordance with FAR 52.216-10(c)(1), the Contractor is authorized to bill fee by contract line item number (CLIN) not to exceed the following: (b)(4) x (cost billed against the CLIN to date, including this voucher). Overbilling of fee as a result of this change in the billing instructions shall not be refunded to the Government, unless the overbilling cannot be corrected any other way. Instead, fee shall not be billed until the contractor is no longer in an overbilling status. In accordance with FAR 52.216-10(c)(2), this task order will withhold \$100,000 of the total incentive fee from CLIN 1000. The Contractor shall show the fee calculation by line item on each voucher to include the withhold.

CLIN 7500 (FFP) shall be billed in total at the end of the CLIN Period of Performance.  
CLIN 7501 (FFP) shall be billed in total at the end of the CLIN Period of Performance.  
CLIN 7502 (FFP) shall be billed in total at the end of the CLIN Period of Performance.  
CLIN 7503 (FFP) shall be billed in total at the end of the CLIN Period of Performance.

All task order CPIF CLINs are combined and considered a single entity for the purpose of administering the cost and performance incentives identified in the IRES PEIP (Contract Attachment J-06).

WAWF email notifications. In accordance with 252.232-7006, the Contractor shall enter the following email addresses in the "Send Additional Email Notifications" field of WAWF once a document is submitted in the system:

CLIN 7500/7501: (b)(6)@mda.mil  
CLIN 7990: (b)(6)@mda.mil  
CLIN 7991: (b)(6)@mda.mil (b)(6)@mda.mil (b)(6)@mda.mil

Section I - Contract Clauses

CLAUSES INCORPORATED BY REFERENCE

252.211-7003 Item Unique Identification and Valuation

MAR 2016

Section J - List of Documents, Exhibits and Other Attachments

Exhibit/Attachment Table of Contents

DOCUMENT TYPE	DESCRIPTION	PAGES	DATE
Attachment 1	20181018_18F8003-D_PWS	124	25-OCT-2018
Attachment 2	Attachment 2 PPWP Summary	1	07-MAR-2019

Contract: HQ079617D0001

Order: HQ079618F8003



# IRES

## Integrated Research & Development for Enterprise Solutions

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Order Number: HQ079618F8003

# Enterprise Information Technology Services (EITS) Performance Work Statement, Rev D

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Period of Performance: 5 March 2018 – 4 September 2022

~~WARNING - This document contains information that may be exempt from mandatory disclosure under the Freedom of Information Act~~

~~FOR OFFICIAL USE ONLY~~

*Change History*

Document Version	Date	Changes
Original	Sep 21, 2016	
Rev A (CTR)	Aug 3, 2017	<ul style="list-style-type: none"> <li>Removed content prior to the cover page.</li> <li>Added period of performance to the cover page.</li> <li>Added Change History chart.</li> <li>Added CLIN Summary chart.</li> <li>Merged the RFP SOO with the proposed Contractor Performance Work Statement (CPWS) to develop the PWS <ul style="list-style-type: none"> <li>SOO Section 5.0 deleted; sections following Section 5.0 renumbered.</li> <li>CPWS Sections 1.0, 2.0, 3.0 and 4.0 deleted. CPWS Section 5.0 moved to PWS Section 1.0.0; all paragraphs renumbered. All references to the SOO deleted. All references to Jacobs Team SE&amp;PI Objectives deleted.</li> <li>SOO Section 4.0 (SSIs) merged with CPWS Section 7.0 (SSIs) into PWS Section 4.0</li> <li>SOO Section 6.0 (CDRLs) merged with CPWS Section 6.0 (CDRLs) into PWS Section 6.0</li> </ul> </li> </ul>
Rev A (GOV)	22 Feb 2018	<ul style="list-style-type: none"> <li>Identified PPWP efforts and updated CDRL C004 to deconflict with SEPI CDRL with same name.</li> </ul>
Rev B (CTR)		<p>Removed all open-ended language, i.e. as required, etc., not limited to.</p> <p>8003 Rev B GNOSC Establishment – added language to Background</p> <p>Priority 1 Tasks – Initial IT Services:</p> <ul style="list-style-type: none"> <li>JWICS Requirement – modified language to include “network and COMSEC”</li> </ul> <p>Modified language under Basic cable plant management</p> <p>Modified language under Network/LAN/ISOLAN Pathfinder System – modified language in background</p> <p>Under Requirements: modified language under basic cable plant management</p> <p>Modified language under Network/LAN/ISOLAN</p> <p>Priority 2 Tasks – Enhanced IT Services</p> <p>Technical Task Details – Modified language</p> <p>Section B – Project Management (PPWP)</p> <p>Technical Task Details – Modified language</p> <p>Section C – Network/LAN/ISOLAN Operations Management (PPWP)</p>

Contract: HQ079617D0001

Order: HQ079618F8003

Document Version	Date	Changes
		Technical Task Details – Modified language Cable Plant Management – Modified Language Equipment Installation and Labeling – Modified Language Section D. Cybersecurity Management (PPWP) Technical Tasking Details – Modified language Section E. Customer Support (PPWP) Technical Tasking Details – Modified language Data Analytics Overview – GNOSC/Tech Baseline – Language modifications CIO Portfolio – Language modifications Deliverables – CCOP Requirement – Language modifications •
Rev B (Gov)		<ul style="list-style-type: none"><li>• Reserved C002 CDRL as Property is being supported under PWS 8900</li><li>• Added Associate Contractor reference for Data Analytics supporting the presentation layer</li><li>• Added verbiage to define GNOSC reference</li><li>• Corrected CDRL C004 to reflect Asset Management and Maintenance Report</li><li>• Updated Property Management to Asset Management and addressed paragraph verbiage changes</li><li>• (b)(4)</li></ul>
Rev C (Gov)		<ul style="list-style-type: none"><li>• Added Instruction references to 10.1.7</li><li>• Added requirements to 10.5.4.5.2 (Pathfinder and AB SAP)</li><li>• Updated C013 to reflect quarterly deliverable vice monthly as originally awarded.</li><li>• Identified PPWP scope by area and identified 6 month period to align with contract value established.</li></ul>
Rev D (Gov)		<ul style="list-style-type: none"><li>• Updated Section 8 for Republic of Korea SOFA Requirements</li><li>• Added clarifying language for CDS Analyst data in 10.3.4</li></ul>

Contract: HQ079617D0001

Order: HQ079618F8003

### *CLIN Structure*

CLIN	Supplies / Services	Type
1000	R&D Services/Capabilities	CPIF
1040	R&D Expensed Contractor Acquired Property (CAP): Information Technology (IT) Hardware (HW)/Equipment (Equip)	CPIF
1060	R&D Expensed CAP: COTS Internal Use Software (IUS)	CPIF
1070	R&D Expensed CAP: Non-IT Equip	CPIF
1080	R&D Capital Asset: IT HW	CPIF
1081	R&D Capital Asset: IUS	CPIF
1700	O&M Services/Capabilities	CPIF
1740	O&M Expensed Contractor Acquired Property (CAP): Information Technology (IT) Hardware (HW)/Equipment (Equip)	CPIF
1760	O&M Expensed CAP: COTS Internal Use Software (IUS)	CPIF
1770	O&M Expensed CAP: Non-IT Equip	CPIF
3700	O&M Services/Capabilities	CPFF
7500	FMS Services/Capabilities	FFP
7700	O&M Services/Capabilities	FFP
7990	Data (NSP)	FFP
7991	Expensed CAP Delivery (NSP)	FFP

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### Enclosures

Exhibit C

Enclosure 1 – Workload Data

## ***Enterprise Information Technology Services Vision***

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### **1.0 Vision and Purpose Statement**

#### **1.1 Vision**

The MDA vision for delivery of all MDA information management / information technology (IM/IT) services is to have an adaptive organization that assures the confidentiality, integrity, and availability of MDA-controlled unclassified and classified information following the DoD Risk Management Framework (RMF) and to achieve improvements in service delivery and cost containment while delivering customer-focused services based upon IT Service Management (ITSM) principles and the Information Technology Infrastructure Library (ITIL) methodologies.

MDA IT Services provides a set of core functions operating in an Enterprise context delivering processing, storage, and transport of information, human interaction, systems and network management, information dissemination management, and information assurance. These functions must be fully integrated and interoperable with one another in order to achieve overall success across the MDA Information Environment (MIE) consisting of three functional environments: mission, test, and general services.

#### **1.2 Purpose**

This task order will provide the MDA with Enterprise (agency-wide) IT capabilities 1) supporting Ballistic Missile Defense System (BMDS) Research, Development, Test, and Evaluation (RDT&E) requirements, 2) providing MDA administrative and business requirements, and 3) enabling BMDS mission support tasks for deployed systems. The CIO has oversight and provides assistance and support for all three IT environments to ensure compliance with the regulatory requirements.

The office of the Chief Information Officer (CIO) is responsible for ensuring that IM/IT are acquired and that information resources are managed and protected for the MDA in a manner that meets the requirements of legislation, regulations, and directives which include, but are not limited to, the Clinger-Cohen Act of 1996, the Paperwork Reduction Act of 1995, the E-Government Act, the Federal Information Security Management Act (FISMA) of 2002, the President's Management Agenda, the DoD 8500 policy framework, DoD Directive 8000.1, National Security Agency information assurance policies, and the priorities established by the Director, MDA.

The MDA Enterprise Information Environment Mission Area (EIEMA) and Business Mission Areas (BMA) are Department of Defense Architecture Framework (DoDAF) and Joint Information Environment (JIE) compliant; they provide processing, storage, and transport of information; systems and network management; information dissemination management; and cybersecurity functions. The CIO provides MDA with secure classified and unclassified

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information technology systems; data centers; operations and monitoring centers; telecommunications; local and wide-area network infrastructure; and customer services to meet both DoD and MDA requirements of high availability, disaster recovery and continuity of operations. The CIO also provides support to the Warfighter Mission Area and the Defense Intelligence Mission Area for various components located within the MDA core sites. Components such as the Joint Functional Component Command- Integrated Missile Defense and the Intelligence Support Center represent two of the groups in these mission areas supported within the IRES contract.

### **1.3 Goals for 2020 and Beyond**

MDA adheres to the DoD Unified Capabilities Operational Framework and has tied together multiple mission areas into an integrated framework. This integrated framework facilitates Joint Information Environment (JIE) efficiencies without sacrificing the ability to meet the special purpose information technology requirements of the development and test enclaves which support the timely BMDS development and fielding schedules. MDA data centers are registered with the DoD CIO as Special Purpose Processing Nodes (SPPNs). MDA's SPPNs support unique requirements (e.g., RDT&E enclaves residing on the Defense Research and Engineering Network [DREN]) that have varying levels of security, access requirements, development requirements, and security controls in accordance with DISA "Enclave Test and Development Security Technical Implementation Guide" (STIG) Zones A through D. MDA follows the JIE standards to the maximum extent possible to facilitate information sharing. MDA's capabilities-based acquisition model demands collaboration services across multiple government and contractor sites that are interconnected via the DREN infrastructure and the Department of Defense Information Network (DoDIN). This network infrastructure is highly integrated, supporting the wide range of scientific, research, missile defense development, business operations, and day-to-day collaboration required to bring the BMDS from concept to reality.

#### **1.3.1 Goal 1: Deliver Agile IT That Enables Mission Success**

IT Services must continually improve processes supporting end-to-end service delivery (i.e., requirements management, service design, release and change management, service transition, and governance functions including technical integration, configuration control, and data management) to increase the organizational agility to meet the demands of the missile defense community. A key element of this goal is integration with MDA's system engineering process.

#### **1.3.2 Goal 2: Cyber Compliance – Build the MDA Information Environment**

The Department of Defense (DoD) vision of the JIE is a secure joint information environment comprised of shared IT infrastructure, Enterprise services, and a single security architecture to achieve full spectrum superiority, improve mission effectiveness, increase security, and realize IT efficiencies. The task order must establish a foundation that aligns the MIE to DoD expectations for a SPPN that provides a shared, secure missile defense test and development cloud infrastructure to support the missile defense community's RDT&E needs employing a

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single security architecture actively monitored for compliance by the MDA Computer Emergency Response Team (CERT).

### **1.3.3 Goal 3: Sustainment**

#### **1.3.3.1 Refresh Technologies at a Pace That Continuously Improves Compliance and Service Delivery**

Provide technology refreshment strategies and roadmaps, including data center-specific roadmaps, to ensure technology-parity with the Joint Information Environment while avoiding the cost pitfalls of having to achieve that homogeneity through a vendor monopoly. IT Services will sustain current capabilities while increasing service delivery and complying with DoD guidance.

#### **1.3.3.2 Technology Watchlist**

Exploit and integrate new technologies into the supporting infrastructure to improve service effectiveness and efficiency over the next five years. The Technology Watchlist section describes emerging and maturing technology areas that have the potential to improve service effectiveness and efficiency over the next five years. They are listed in a relative order of maturity.

##### **1.3.3.2.1 Cloud Services**

The MDA has already begun to field cloud elements and will continue to monitor this technology for changes in direction and to identify integration opportunities. The maturation of these technologies and the integration of the resulting capabilities are key components to achieving the MDA goals of improving IT Service Delivery and cyber compliance. Services based on a cloud delivery model provide opportunities for moving towards ubiquitous mission domain support wherever possible.

##### **1.3.3.2.2 Software Defined Data Center**

Evolution to a software-defined data center (SDDC), utilizing technologies to virtualize the compute, storage, and network components of the data center provides flexibility for improved mission effectiveness. SDDC technology is a key element in reaching MDA's sustainment goal.

##### **1.3.3.2.3 Business Analytics**

Improve business intelligence and data analytics by strategically provisioning and employing technologies for searching, mining, storing, securing, and conducting data analytics on large, disparate data sets. Providing data analytic capabilities to MDA mission partners is essential to modern warfare. The integration of the resulting capabilities is a key component to achieving our service delivery goal. This technology can provide predictive analysis to improve mission effectiveness.

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#### **1.3.3.2.4 Mobile Technologies**

Leverage mobile technologies to enable ubiquitous information access allowing users to perform their duties and improve their situational awareness from any location.

#### **1.3.3.2.5 Cybersecurity Technologies**

Strategically plan for and employ the latest, best technology to preserve and protect critical BMDS program information throughout its lifecycle.

## **2.0 Background**

NOTE: The information below is for information purposes only. It is not intended to direct or influence the proposed solutions or contractor-developed performance work statement.

### **2.1 Predecessor Task Orders**

JRDC Task Orders considered predecessor task orders to this document include:

- 8402, MDA IT Services and Logistics (excluding task 3, and tasks 100 and above)
- 7402, MDA IT Services and Logistics (excluding task 3, and tasks 100 and above)
- 6402, MDA IT Services and Logistics (excluding task 3, and tasks 100 and above)

### **2.2 Organization Background**

The MDA is comprised of four Program Executives responsible for the execution of the BMDS program, they include; Program Executive for Programs and Integration, Program Executive for C4ISR, Program Executive for Aegis BMD, and Program Executive for Advanced Technology. Six Program Directors are responsible for the functional activities supporting the RDT&E mission include; Director for Engineering, Director for Test, Director for International Affairs, Director for Acquisition, Deputy Director and Director MDIOC, and Director for Operations). In addition to the above, the MDA is also supported by a Command Group Staff that includes: General Counsel; Chief of Staff; Quality, Safety and Mission Assurance; Equal Opportunity and Diversity; Public Affairs; Internal Review; Chief Information Officer; Independent Test Readiness Review Team; and Small Business Advisor. All organizational entities leverage the CIO for Information Technology and Information Management functions.

#### **2.2.1 Chief Information Officer (CIO)**

The CIO has adopted ITIL as the framework for organizing IT processes and services, and training the Information Technology workforce to meet an ITSM construct. Accordingly, IC has established five staff functions to manage the Infrastructure Integration and Event Support, Information Management, and Information Technology Operations and Cybersecurity capabilities:

- 1) IC Staff – Information Management and Technology Operations
- 2) ICM – Infrastructure Integration and Event Support
  - a. ICME – Infrastructure, Event Support

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- b. DACJ – Contracts and Acquisition
  - c. DOB – Financial Management
  - d. DOHC – Human Resources – West
  - e. PA – Protocol / Public Affairs
  - f. DEI – Security
  - g. DPL – Integrated Logistics Support
- 3) ICV – Information and Computer Network Defense (CND)
  - a. ICVA – IA Certification and Accreditation
  - b. ICVI – BMDS IA Management
  - c. ICVC – Computer Network Defense
- 4) ICT – Information Management and Technology Operations
  - a. ICTP – IT Policy Planning and Portfolio
  - b. ICTO – Enterprise Operations and Engineering
  - c. ICTT – Unified Communications
  - d. ICTA – IT Networks and Systems
  - e. ICTM – Information Management
- 5) Regional IT Support
  - a. IC-NCR
  - b. IC-HSV
  - c. IC-DAHL
  - d. IC-KAFB
  - e. IC-COS

These five staff functions manage the IT/IM enterprise to ensure compliance with federal mandates, DoD policies, and compliance reporting in order to field Enterprise compliant information technology solutions, manage information, and to operate and defend our networks and information. The synergy achieved by the relationship between these functions results in the Network Operations (NetOps) desired effects of assured system and network availability, assured information protection, and reliable information delivery.

### **3.0 Scope**

- 3.1 This task order will support the Missile Defense Agency (MDA) Chief Information Officer (CIO) mission to ensure that MDAs IT Enterprise services and resources are administered, acquired, managed, and operated in compliance with the goals and directives of existing statutes and DOD regulations and the priorities set by the MDA Director and CIO.
- 3.2 This task order will provide effective, efficient, secure, and reliable information network services used in critical DoD and MDA communications and information processing utilizing the ITIL framework and methodologies and a well-defined set of Role Based Administration (RBA) categories and responsibilities.

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- 3.3 This task order will administer two major data centers, one in Huntsville (HSV), AL and the other in Colorado Springs (COS), CO. Both data centers provide a mix of classified and unclassified IT services, with each providing disaster recovery and continuity of operations (DR/COOP) for critical services to the other.
- 3.4 This task order will administer the MDA administrative and general services (ADMIN/Genser). Admin/Genser is defined as MDAs Enterprise unclassified and classified networks, research, development, test and evaluation (RDT&E) network, Facilities Infrastructure LAN (FILAN), Special Access Programs (SAP), and network IT elements (routers, switches, firewalls and gateways), workstations, servers and peripherals. Peripherals are comprised of 4 Metropolitan Area Networks (MANs), 21 Local Area Networks (LANs), approximately 156 remote sites, as many as 300 unique MDA-sponsored mission systems or enclaves, and numerous standalone configurations. Inclusive in this support are MDA IT connections to the Secure Internet Protocol Router Network (SIPRNet) and Joint Worldwide Intelligence Community System (JWICS) networks; 8,000 MDA Users, roughly 23,000 user accounts, 13,000 messaging accounts, 2,500 Blackberry users, 1,250 production servers, print servers and 1,000 network printers, connectivity to over 300 Video TeleConference (VTC) nodes, classified and unclassified telephony services, IT and O&M support for the National Capital Region (Ft. Belvoir, Suffolk, Crystal Square 4, Lockport); Huntsville (Von Braun Complex, Building 7319 Missile Assembly Building, Building 5201); Colorado Springs (MDIOC); Dahlgren (David M. Altwegg Complex); Alaska (Building 10441 Joint Base Elmendorf/Richardson and Ft. Greely Buildings 663 and 652 [SLA with GM for 2 cable plant personnel assisting GMB and DDW on Missile Defense Complex as tasked]); Kirtland AFB Building 20200; Vandenberg AFB Building 6510; Kauai (Pacific Missile Range Facility) AAMDTC and as contracted by DTR for Buildings 327/328/155/DART; Naval Support Facility (NSF) Slupsk, Poland. MDA ground and flight tests often require travel to remote locations. Numerous other labs require dedicated, physical on-site support beyond the baseline Operational and Engineering Support.
- 3.5 This task order will leverage and expand capacity in MDA Data Centers to accommodate the rapid provisioning of customer requirements in a cloud-based, dynamic enterprise architecture. EITS will employ a streamlined System Development Lifecycle methodology to deliver Infrastructure as a Service (IaaS), Platform as a Service (PaaS), and Software as a Service (SaaS) solutions with supporting IT Financial Management technical processes to maximize the speed and efficiency by which EITS is able to delivery new and improved capabilities.

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#### **4.0 Service Summary Items**

In accordance with the IRES Performance Evaluation and Incentive Plan, Service Summary Items (SSIs) 1 through 4 are common [required] on all task orders and will be assessed at the contract level (i.e., all task orders will receive the same rating – one fail all fail model).

SSI 5 (through *n*) [Technical Performance] captures the specific task order Service Summary Items deemed essential to successful execution of the task order (note: To be developed / defined using the performance measures proposed by the contractor.) Exhibit 1 defines the SSIs applicable to this task order.

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*Exhibit 1. SSIs and Weights Applicable to This Task Order*

SSI #	Title	Description	Performance Threshold	Performance Threshold	Performance Threshold	Weight	Assessment
SSI 1	(b)(4)						
SSI2							
SSI3							
SSI4							
SSI5							

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SSI #	Title	Description	Performance Threshold UNACCEPTABLE	Performance Threshold ACCEPTABLE	Performance Threshold OBJECTIVE	Weight	Assessment Method
SSI6	(b)(4)						
SSI7							
SSI8							
SSI9							
SSI10							

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## 5.0 Deliverables

The point of delivery for all CDRL products, except as noted in Exhibit C, is the MDA E-CaRT system. The Contractor shall deliver all such products by saving and profiling them in E-CaRT, with the appropriate notification of delivery letter transmitted electronically to the Government's Data Management Office. Reference Exhibit C for specific CDRL delivery instructions.

### 5.1 CDRL Identification

Task	CDRL	DID	Title	Description
10.1.2.2	C001	DI-MGMT-81861/T	Integrated Program Management Report	Contains data for measuring cost and schedule performance. The IPMR is structured around seven formats that contain the content and relationships required for the electronic submissions.
10.1.7	C002 <b>RESERVED</b>	DI-MGMT-80441/T	HQ0796-18-F-8003; Property Inventory Report.	Itemizes contractor acquired property (quarterly) that will be entered into the MDA Accountable Property inventory.
10.1.2.2	C003	DI-MISC-80508B/T	HQ0796-18-F-8003; EITS Task Order Status Report: [Insert month ending]	Provides significant accomplishments, issues, concerns, lessons learned, and risks associated with the task order.
10.2.5	C004	DI-MISC-80508B/T	Asset Management and Maintenance Report	Captures all software licenses and deployed software obtained and in-use for MDA. The report will be configured by asset ID (barcode and/or serial number), software type and version installed, and the license accountability allocation. Summary records will also be provided detailing the type of software deployed by version, number deployed and number of licenses active and on file with the software librarian. Report will contain summary of IT hardware, which requires or is under maintenance agreement, and 2-Ltr allocation. Report will contain licensing and maintenance agreement information to identify those assets under ELA, ESA, Co-Term Agreements, etc... Format and data fields can be modified as needed to ensure currency of report.
10.3.1, 10.3.2, 10.3.4, 10.3.5, 10.3.6	C005	DI-MISC-80508B/T	[Insert Activity Number and Event or Project Title]: Engineering Documentation	This CDRL contains engineering documentation which potentially includes some or all of the following components: Slide Package, DoDAF Artifacts, Rack Elevation drawings, Facility Layout drawings, CONOPS, and Requirements Traceability Matrix (RTM), Version Description Documents, and Floor Plans.
10.3.1, 10.3.2, 10.3.4, 10.3.5, 10.3.6	C006	DI-MISC-80508B/T	Operational Support Documents: [Insert Document Title]	This CDRL shall contain Logical Models (services, assets and infrastructure), IT Training Materials, Customer IT Reports, Known Errors Database, Cable Plant Management Database, SOI/Ps and templates, Disaster Recovery (DR)/Continuity of Operations (COOP) IT Disaster Recovery (ITDR) Classified Contingency Plans, relevant new adds from outcomes/attributes for data center or other objective areas, and Business Requirements to Implementation Traceability.
10.2.1	C007	DI-MISC-80508B/T	Operational Support Documents: MDA Enterprise Strategic Plan	The MDA Enterprise Strategic Plan is the single governing document that portrays the key stakeholder's high-level vision for the enterprise. It describes the current context of the business, and delivers a strategic direction purposed to posture the capabilities that

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Task	CDRL	DID	Title	Description
				currently exist in order to realize ongoing business value generation moving forward
10.2.1	C008	DI-MISC-80508B/T	Operational Support Documents: MDA CIO Service Portfolio	The CIO Service Portfolio is the superset of formal services offered to partners, suppliers, internal business functions, external business functions, and customers that model after the Information Technology Infrastructure Library (ITIL) framework approach to service delivery.
10.1.1.3	C009	DI-MISC-80508B/T	Operational Support Documents: Technology Refresh Plan	The Technology Refresh Plan takes into account the formally documented current state of the hardware necessary to execute business functions, deliver services, and maintain the logical relationships between customers, partners, and suppliers. Primarily, this superset will contain the system architecture, the storage architecture, and the network architecture across the enterprise.
10.3.1	C010	DI-MISC-80508B/T	Operational Support Documents: Capacity Management Plan	The Capacity Management Plan addresses current capacity considerations for technology items supported by the office of the CIO and establishes and reports on trigger points associated with the need for either increasing capacity of mitigating capacity considerations through some other innovative solution / technique.
10.2.3, 10.2.4, 10.2.6	C011	DI-MISC-80508B/T	Quarterly Reports: [Insert Document Title]: [Insert FYQ]	This CDRL shall contain the Quarterly Service Level and Performance Metrics and Trend Analysis Reports, and IT Service Plans.
10.2.1	C012	DI-MISC-80508B/T	Operational Support Documents: MDA CIO Service Pipeline	This CDRL is a snapshot of the Service Pipeline and defines the variety of services that are currently under development/review within the service portfolios. The Service Pipeline is a futures-based concept that defines the future direction of the service portfolio and defines the health of the portfolio; requirements under development/consideration will remain in the pipeline until transitioned to operations.
10.2.6	C013	DI-MISC-80508B/T	Chargeback Showback Metrics: [Insert Month Ending]	This CDRL identifies the consumption rates of CIO managed IT resources by 2-Ltr organization and attributes costs for shared infrastructure and office productivity to the 2-Ltr in both a showback as well as chargeback methodology based on both basic and enhanced service level agreements.
10.10.2.2	C014	DI-MISC-80508B/T	Cyber Incident Handling Process: [FY]	This CDRL provides enterprise-wide guidance for cybersecurity incident handling, analyzing incident data and determining the appropriate response.
10.3.4	C015	DI-MISC-80508B/T	[Insert System Name]: Certification and Accreditation Documentation, [Insert Date]	This CDRL shall contain the documentation required to support C&A activities: Risk Management Framework (RMF) Packages, FISMA Report, DITPR Report, Vulnerability Scan and Compliance Reports, Accreditation Boundaries Report, Boundary Protection Configurations, BMDS RMF Comprehensive Package, DR/COOP IT Quarterly Tabletop and Annual Exercise Scenarios/Test Plan Packages generated under this TO.
10.3.7	C016	DI-MISC-80508B/T	[Application Name]: Application Engineering Documentation	This CDRL contains engineering documentation which potentially includes some or all of the following components: Slide Package, DoDAF Artifacts, Rack Elevation drawings, Facility Layout drawings, CONOPS, and Requirements Traceability Matrix (RTM), Version Description Documents, and Floor Plans.
10.3.1, 10.3.2,	C017	DI-MISC-80508B/T	[Insert Activity Number and Event]	This CDRL contains engineering documentation which potentially includes some or all of the following

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Task	CDRL	DID	Title	Description
10.3.4, 10.3.5, 10.3.6, 10.3.7, 10.3.8			or Project Title]: Baseline Engineering Documentation	components: Slide Package, DoDAF Artifacts, Rack Elevation drawings, Facility Layout drawings, CONOPS, and Requirements Traceability Matrix (RTM), Version Description Documents, and Floor Plans.
10.3.5	C018	DI-MISC- 80508B/T	Operational Support Documents : Data Management Plan	This CDRL contains the Data Management Plan for the Business Intelligence (BI) system which includes some or all of the following components: Data Sources, Data Dictionary, Data Schema and Mapping.

## 5.2 CDRL Tailoring

Reference Task Order HQ0796-18-F-8003 Exhibit C (Attachment 1).

## 6.0 Milestones

Task	Activity	Date / Days After Contract DAC)
	Integrated Baseline Review	90 DAC

Note: DAC = Days after task order period of performance start date

## 7.0 Government Furnished Equipment (GFE) / Government Furnished Information (GFI)

In addition to the GFE / GFI identified in the IRES Contract SOO, paragraph 6.0, the following is applicable to this task order:

- 7.1 RFP Attachment J-05 – GFP List
- 7.2 MDA approved SW List 20151207 (Bidders' Library)
- 7.3 DirectTV Satellite Television Locations: HQ, VB Complex, MDIOC, Dahlgren
- 7.4 Government facility EITS workforce locations: National Capital Region (Ft. Belvoir, Suffolk, Crystal Square 4, Lockport); Huntsville (Von Braun Complex, Building 7319 Missile Assembly Building, Building 5201); Colorado Springs (MDIOC); Dahlgren (David M. Altwegg Complex); Alaska (Building 10441 Joint Base Elmendorf/Richardson and Ft. Greely Buildings 663 and 652 [SLA with GM for 2 cable plant personnel assisting GMB and DDW on Missile Defense Complex as tasked]); Kirtland AFB Building 20200; Vandenberg AFB Building 6510; Kauai (Pacific Missile Range Facility) AAMDTC and as contracted by DTR for Buildings 327/328/155/DART; NSF Slupsk.

## 8.0 Special Requirements

In addition to the Special Requirements identified in the IRES Contract SOO, paragraph 7.0, the following are applicable to this task order:

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#### 8.1 Additional Information

- Any activities that may degrade the performance of network environments, operating systems, databases and applications must be performed outside of core business hours (0700 to 1700 Monday through Friday, local time zones).
- All products and deliverables must be provided in a format supported by existing available tools to support future updates unless otherwise agreed to by the program manager.
- Government facility seating capacity in the National Capital Region is constrained to a maximum of 11 work areas.

The Contractor shall work with other contracts / contractors as defined in the following controls:

- Missile Defense Agency Information Technology Collaboration Services (MICS): MICS provides MDA with video teleconferencing and portal information management services. The MICS contract leverages the IRES-provided Integrated Service Desk and the classified and unclassified Enterprise IT backbones. Close coordination and tight schedule integration is necessary to de-conflict technical resources and change management activities. NMR is the prime contractor.
- Test Support Systems (TSS): MDA/DTR provides a suite of IT services and test support capabilities that tie directly to MDA enterprise networks in support of MDA flight and ground tests. TSS leverages the WAN and LAN infrastructure and integrates with multiple conference room and auditorium audio/visual systems maintained under both MICS and IRES. LOGOS Enterprises is the prime contractor.
- Technical, Engineering, Advisory and Management Support (TEAMS) [formerly known as MiDAESS]: Agency-wide contracts maintained by MDA/CS to provide SETA and advisory and assistance services to all program elements and Agency functional areas. TEAMS personnel may assist the government in oversight and performance of the IRES contract. There are 31 contracts / potentially 31 prime contractors under TEAMS
- Development and Sustainment Contract (DSC): MDA/GM controls the development and sustainment of the Ground-based Midcourse Defense element of the BMDS via the DSC, awarded to Boeing Corporation. IRES provides infrastructure and support services to the DSC contractor to enable integration and testing within both the MDA RDT&E mission area and the warfighter mission area. Boeing is the prime contractor.
- Misty Thunder (MT): MDA/IC controls the MT contract to provide above secret IT services to select components within the Agency and maintains external connections to other DoD partners for the conduct of interoperability and data sharing. IRES provides core infrastructure interconnecting the components and provides circuit management and distribution for principal and remote sites. General Dynamics Mission Systems is the prime contractor for MT.

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**8.2 Invited Contractor or Technical Representative Status Republic of Korea (4 June 2007) as required by USFK REG 700-19, 28 August 2012**

Invited Contractor (IC) and Technical Representative (TR) status shall be governed by the U.S.-ROK Status of Forces Agreement (SOFA) as implemented by United States Forces Korea (USFK) Reg 700-19, which can be found under the “publications” tab on the US Forces Korea homepage <http://www.usfk.mil>

(a) Definitions. As used in this clause—

“U.S. – ROK Status of Forces Agreement” (SOFA) means the Mutual Defense Treaty between the Republic of Korea and the U.S. of America, Regarding Facilities and Areas and the Status of U.S. Armed Forces in the Republic of Korea, as amended

“Combatant Commander” means the commander of a unified or specified combatant command established in accordance with 10 U.S.C. 161. In Korea, the Combatant Commander is the Commander, United States Pacific Command.

“United States Forces Korea” (USFK) means the subordinate unified command through which US forces would be sent to the Combined Forces Command fighting components.

“Commander, United States Forces Korea” (COMUSK) means the commander of all U.S. forces present in Korea. In the Republic of Korea, COMUSK also serves as Commander, Combined Forces Command (CDR CFC) and Commander, United Nations Command (CDR UNC).

“USFK, Assistant Chief of Staff, Acquisition Management” (USFK/FKAQ) means the principal staff office to USFK for all acquisition matters and administrator of the U.S.-ROK SOFA as applied to US and Third Country contractors under the Invited Contractor (IC) and Technical Representative (TR) Program (USFK Reg 700-19).

“Responsible Officer (RO)” means a senior DOD employee (such as a military E5 and above or civilian GS-7 and above), appointed by the USFK Sponsoring Agency (SA), who is directly responsible for determining and administering appropriate logistics support for IC/TRs during contract performance in the ROK.

(b) IC or TR status under the SOFA is subject to the written approval of USFK, Assistant Chief of Staff, Acquisition Management (FKAQ), Unit #15237, APO AP 96205-5237.

(c) The contracting officer will coordinate with HQ USFK/FKAQ, IAW FAR 25.8, and USFK Reg 700-19. FKAQ will determine the appropriate contractor status under the SOFA and notify the contracting officer of that determination.

(d) Subject to the above determination, the contractor, including its employees and lawful dependents, may be accorded such privileges and exemptions under conditions and

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limitations as specified in the SOFA and USFK Reg 700-19. These privileges and exemptions may be furnished during the performance period of the contract, subject to their availability and continued SOFA status. Logistics support privileges are provided on an as-available basis to properly authorized individuals. Some logistics support may be issued as Government Furnished Property or transferred on a reimbursable basis.

(e) The contractor warrants and shall ensure that collectively, and individually, its officials and employees performing under this contract will not perform any contract, service, or other business activity in the ROK, except under U.S. Government contracts and that performance is IAW the SOFA.

(f) The contractor's direct employment of any Korean-National labor for performance of this contract shall be governed by ROK labor law and USFK regulation(s) pertaining to the direct employment and personnel administration of Korean National personnel.

(g) The authorities of the ROK have the right to exercise jurisdiction over invited contractors and technical representatives, including contractor officials, employees and their dependents, for offenses committed in the ROK and punishable by the laws of the ROK. In recognition of the role of such persons in the defense of the ROK, they will be subject to the provisions of Article XXII, SOFA, related Agreed Minutes and Understandings. In those cases in which the authorities of the ROK decide not to exercise jurisdiction, they shall notify the U.S. military authorities as soon as possible. Upon such notification, the military authorities will have the right to exercise jurisdiction as is conferred by the laws of the U.S.

(h) Invited contractors and technical representatives agree to cooperate fully with the USFK Sponsoring Agency (SA) and Responsible Officer (RO) on all matters pertaining to logistics support and theater training requirements. Contractors will provide the assigned SA prompt and accurate reports of changes in employee status as required by USFK Reg 700-19.

(i) Theater Specific Training. Training Requirements for IC/TR personnel shall be conducted in accordance with USFK Reg 350-2 Theater Specific Required Training for all Arriving Personnel and Units Assigned to, Rotating to, or in Temporary Duty Status to USFK. IC/TR personnel shall comply with requirements of USFK Reg 350-2.

(j) Except for contractor air crews flying Air Mobility Command missions, all U.S. contractors performing work on USAF classified contracts will report to the nearest Security Forces Information Security Section for the geographical area where the contract is to be performed to receive information concerning local security requirements.

(k) Invited Contractor and Technical Representative status may be withdrawn by USFK/FKAQ upon:

(1) Completion or termination of the contract.

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(2) Determination that the contractor or its employees are engaged in business activities in the ROK other than those pertaining to U.S. armed forces.

(3) Determination that the contractor or its employees are engaged in practices in contravention to Korean law or USFK regulations.

(1) It is agreed that the withdrawal of invited contractor or technical representative status, or the withdrawal of, or failure to provide any of the privileges associated therewith by the U.S. and USFK, shall not constitute grounds for excusable delay by the contractor in the performance of the contract and will not justify or excuse the contractor defaulting in the performance of this contract. Furthermore, it is agreed that withdrawal of SOFA status for reasons outlined in USFK Reg 700-19, Section II, paragraph 6 shall not serve as a basis for the contractor filing any claims against the U.S. or USFK. Under no circumstance shall the withdrawal of SOFA Status or privileges be considered or construed as a breach of contract by the U.S. Government.

(m) Support.

(1) Unless the terms and conditions of this contract place the responsibility with another party, the COMUSK will develop a security plan to provide protection, through military means, of Contractor personnel engaged in the theater of operations when sufficient or legitimate civilian authority does not exist.

(2) (i) All Contractor personnel engaged in the theater of operations are authorized resuscitative care, stabilization, hospitalization at level III military treatment facilities, and assistance with patient movement in emergencies where loss of life, limb, or eyesight could occur. Hospitalization will be limited to stabilization and short-term medical treatment with an emphasis on return to duty or placement in the patient movement system.

(ii) When the Government provides medical or emergency dental treatment or transportation of Contractor personnel to a selected civilian facility, the Contractor shall ensure that the Government is reimbursed for any costs associated with such treatment or transportation.

(iii) Medical or dental care beyond this standard is not authorized unless specified elsewhere in this contract.

(3) Unless specified elsewhere in this contract, the Contractor is responsible for all other support required for its personnel engaged in the theater of operations under this contract.

(n) Compliance with laws and regulations. The Contractor shall comply with, and shall ensure that its personnel supporting U.S Armed Forces in the Republic of Korea as specified in paragraph (b)(1) of this clause are familiar with and comply with, all applicable—

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- (1) United States, host country, and third country national laws;
- (2) Treaties and international agreements;
- (3) United States regulations, directives, instructions, policies, and procedures; and
- (4) Orders, directives, and instructions issued by the COMUSK relating to force protection, security, health, safety, or relations and interaction with local nationals. Included in this list are force protection advisories, health advisories, area (i.e. "off-limits"), prostitution and human trafficking and curfew restrictions.

(o) Vehicle or equipment licenses. IAW USFK Regulation 190-1, Contractor personnel shall possess the required licenses to operate all vehicles or equipment necessary to perform the contract in the theater of operations. All contractor employees/dependents must have either a Korean driver's license or a valid international driver's license to legally drive on Korean roads, and must have a USFK driver's license to legally drive on USFK installations. Contractor employees/dependents will first obtain a Korean driver's license or a valid international driver's license then obtain a USFK driver's license.

(p) Evacuation.

(1) If the COMUSK orders a non-mandatory or mandatory evacuation of some or all personnel, the Government will provide assistance, to the extent available, to United States and third country national contractor personnel.

(2) Non-combatant Evacuation Operations (NEO).

(i) The contractor shall designate a representative to provide contractor personnel and dependents information to the servicing NEO warden as required by direction of the Responsible Officer.

(ii) If contract period of performance in the Republic of Korea is greater than six months, non-emergency essential contractor personnel and all IC/TR dependents shall participate in at least one USFK sponsored NEO exercise per year.

(q) Next of kin notification and personnel recovery.

(1) The Contractor shall be responsible for notification of the employee-designated next of kin in the event an employee dies, requires evacuation due to an injury, or is missing, captured, or abducted.

(2) In the case of missing, captured, or abducted contractor personnel, the Government will assist in personnel recovery actions in accordance with DOD Directive 2310.2, Personnel Recovery.

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(3)IC/TR personnel shall accomplish Personnel Recovery/Survival, Evasion, Resistance and Escape (PR/SERE) training in accordance with USFK Reg 525-40, Personnel Recovery Procedures and USFK Reg 350-2 Theater Specific Required Training for all Arriving Personnel and Units Assigned to, Rotating to, or in Temporary Duty Status to USFK.

(r) Mortuary affairs. Mortuary affairs for contractor personnel who die while providing support in the theater of operations to U.S. Armed Forces will be handled in accordance with DOD Directive 1300.22, Mortuary Affairs Policy and Army Regulation 638-2, Care and Disposition of Remains and Disposition of Personal Effects.

(s) USFK Responsible Officer (RO). The USFK appointed RO will ensure all IC/TR personnel complete all applicable training as outlined in this clause.

### **8.3 United States Forces Korea (USFK) Wartime Clause**

(The following USFK Wartime Clause applies ONLY when traveling within the jurisdiction of the USFK. When performing overseas for efforts in other jurisdictions, the MDA Wartime Clause applies.)

CONTINUANCE OF PERFORMANCE DURING ANY STATE OF EMERGENCY IN THE REPUBLIC OF KOREA (ROK) as required by USFK REG 700-19, 28 August 2012

Invited Contractor (IC) and Technical Representative (TR) status shall be governed by the U.S.-ROK Status of Forces Agreement (SOFA) as implemented by United States Forces Korea (USFK) Reg 700-19, which can be found under the “publications” tab on the US Forces Korea homepage <http://www.usfk.mil>

(a) Definitions. As used in this clause—

“U.S. – ROK Status of Forces Agreement” (SOFA) means the Mutual Defense Treaty between the Republic of Korea and the U.S. of America, Regarding Facilities and Areas and the Status of U.S. Armed Forces in the Republic of Korea, as amended

“Combatant Commander” means the commander of a unified or specified combatant command established in accordance with 10 U.S.C. 161. In Korea, the Combatant Commander is the Commander, United States Pacific Command.

“United States Forces Korea” (USFK) means the subordinate unified command through which US forces would be sent to the Combined Forces Command fighting components.

COMUSK means the commander of all U.S. forces present in Korea. In the Republic of Korea, COMUSK also serves as Commander, Combined Forces Command (CDR CFC) and Commander, United Nations Command (CDR UNC).

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“USFK, Assistant Chief of Staff, Acquisition Management” (USFK/FKAQ) means the principal staff office to USFK for all acquisition matters and administrator of the U.S.-ROK SOFA as applied to US and Third Country contractors under the Invited Contractor (IC) and Technical Representative (TR) Program (USFK Reg 700-19).

“Responsible Officer” (RO) means A senior DOD employee (such as a military E5 and above or civilian GS-7 and above), appointed by the USFK Sponsoring Agency (SA), who is directly responsible for determining and administering appropriate logistics support for IC/TRs during contract performance in the ROK.

“Theater of operations” means an area defined by the combatant commander for the conduct or support of specified operations.

“Uniform Code of Military Justice” means 10 U.S.C. Chapter 47

(b) General.

(1) This clause applies when contractor personnel deploy with or otherwise provide support in the theater of operations (specifically, the Korean Theater of Operations) to U.S. military forces deployed/located outside the United States in—

(i) Contingency operations;

(ii) Humanitarian or peacekeeping operations; or

(iii) Other military operations or exercises designated by the Combatant Commander.

(2) Contract performance in support of U.S. military forces may require work in dangerous or austere conditions. The Contractor accepts the risks associated with required contract performance in such operations. ☐The contractor will require all its employees to acknowledge in writing that they understand the danger, stress, physical hardships and field living conditions that are possible if the employee deploys in support of military operations.

(3) Contractor personnel are not combatants and shall not undertake any role that would jeopardize their status. Contractor personnel shall not use force or otherwise directly participate in acts likely to cause actual harm to enemy armed forces.

(c) Support.

(1) Unless the terms and conditions of this contract place the responsibility with another party, the COMUSK will develop a security plan to provide protection, through military means, of Contractor personnel engaged in the theater of operations when sufficient or legitimate civilian authority does not exist.

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(2) (i) All Contractor personnel engaged in the theater of operations are authorized resuscitative care, stabilization, hospitalization at level III military treatment facilities, and assistance with patient movement in emergencies where loss of life, limb, or eyesight could occur. Hospitalization will be limited to stabilization and short-term medical treatment with an emphasis on return to duty or placement in the patient movement system.

(ii) When the Government provides medical treatment or transportation of Contractor personnel to a selected civilian facility, the Contractor shall ensure that the Government is reimbursed for any costs associated with such treatment or transportation.

(iii) Medical or dental care beyond this standard is not authorized unless specified elsewhere in this contract.

(3) Unless specified elsewhere in this contract, the Contractor is responsible for all other support required for its personnel engaged in the theater of operations under this contract.

(d) Compliance with laws and regulations. The Contractor shall comply with, and shall ensure that its personnel supporting U.S Armed Forces in the Republic of Korea as specified in paragraph (b)(1) of this clause are familiar with and comply with, all applicable—

(1) United States, host country, and third country national laws;

(i) The Military Extraterritorial Jurisdiction Act may apply to contractor personnel if contractor personnel commit crimes outside the United States.

(ii) Under the War Crimes Act, United States citizens (including contractor personnel) who commit war crimes may be subject to federal criminal jurisdiction.

(iii) When Congress formally declares war, contractor personnel authorized to accompany the force may be subject to the Uniform Code of Military Justice.

(2) Treaties and international agreements;

(3) United States regulations, directives, instructions, policies, and procedures; and

(4) Orders, directives, and instructions issued by the COMUSK relating to force protection, security, health, safety, or relations and interaction with local nationals. Included in this list are force protection advisories, health advisories, area (i.e. “off-limits”), prostitution and human trafficking and curfew restrictions.

(e) Pre-deployment/departure requirements. The Contractor shall ensure that the following requirements are met prior to deploying/locating personnel in support of U.S. military forces

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in the Republic of Korea. Specific requirements for each category may be specified in the statement of work or elsewhere in the contract.

- (1) All required security and background checks are complete and acceptable.
- (2) All contractor personnel meet the minimum medical screening requirements and have received all required immunizations as specified in the contract. In the Republic of Korea, all contractor employees subject to this clause shall comply with the same DoD immunization requirements applicable to Emergency Essential DoD civilians—

INCLUDING ANTHRAX IMMUNIZATION. The Government will provide, at no cost to the Contractor, any Korean theater-specific immunizations and/or medications not available to the general public.

- (3) Contractor personnel have all necessary passports, visas, and other documents required to enter and exit a theater of operations and have a Geneva Conventions identification card from the deployment center or CONUS personnel office—if, applicable.
  - (4) Country and theater clearance is obtained for contractor personnel. Clearance requirements are in DOD Directive 4500.54, Official Temporary Duty Abroad, DOD 4500.54-G, DOD Foreign Clearance Guide, and USFK Reg 1-40, United States Forces Korea Travel Clearance Guide. Contractor personnel are considered non-DOD personnel traveling under DOD sponsorship.
- (f) Processing and departure points. Deployed contractor personnel shall —

- (1) Under contingency conditions or under other conditions as specified by the Contracting Officer, process through the deployment center designated in the contract, prior to deploying. The deployment center will conduct deployment processing to ensure visibility and accountability of contractor personnel and to ensure that all deployment requirements are met;
- (2) Use the point of departure and transportation mode directed by the Contracting Officer; and
- (3) If processing through a deployment center, process through a Joint Reception Center (JRC) upon arrival at the deployed location. The JRC will validate personnel accountability, ensure that specific theater of operations entrance requirements are met, and brief contractor personnel on theater-specific policies and procedures.

(g) Personnel data list.

- (1) The Contractor shall establish and maintain with the designated Government official a current list of all contractor personnel that deploy with or otherwise provide support in

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the theater of operations to U.S. military forces as specified in paragraph (b)(1) of this clause. The Synchronized Pre-deployment and Operational Tracker (SPOT) is the designated automated system to use for this effort. This accountability requirement is separate and distinct from the personnel accountability requirement listed in the U.S.–ROK SOFA's Invited Contractor/Technical Representative Program (as promulgated in USFK Regulation 700-19).

(2) The Contractor shall ensure that all employees on the list have a current DD Form 93, Record of Emergency Data Card, on file with both the Contractor and the designated Government official.

(h) Contractor personnel.

(1) The Contracting Officer may direct the Contractor, at its own expense, to remove and replace any contractor personnel who jeopardize or interfere with mission accomplishment or who fail to comply with or violate applicable requirements of this clause. Contractors shall replace designated personnel within 72 hours, or at the Contracting Officer's direction. Such action may be taken at the Government's discretion without prejudice to its rights under any other provision of this contract, including the Termination for Default clause.

(2) The Contractor shall have a plan on file showing how the Contractor would replace employees who are unavailable for deployment or who need to be replaced during deployment. The Contractor shall keep this plan current and shall provide a copy to the Contracting Officer and USFK Sponsoring Agency (see USFK Reg 700-19) upon request. The plan shall—

- (i) Identify all personnel who are subject to U.S. or Republic of Korea military mobilization;
  - (ii) Identify any exemptions thereto;
  - (iii) Detail how the position would be filled if the individual were mobilized; and
  - (iv) Identify all personnel who occupy a position that the Contracting Officer has designated as mission essential.
- (i) Military clothing and protective equipment.

(1) Contractor personnel supporting a force deployed outside the United States as specified in paragraph (b)(1) of this clause are prohibited from wearing military clothing unless specifically authorized in writing by the COMUSK. If authorized to wear military clothing, contractor personnel must wear distinctive patches, arm bands, nametags, or

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headgear, in order to be distinguishable from military personnel, consistent with force protection measures and the Geneva Conventions.

(2) Contractor personnel may wear military-unique organizational clothing and individual equipment (OCIE) required for safety and security, such as ballistic, nuclear, biological, or chemical protective clothing.

(3) The deployment center, the Combatant Commander, or the Sponsoring Agency shall issue OCIE and shall provide training, if necessary, to ensure the safety and security of contractor personnel.

(4) The Contractor shall ensure that all issued OCIE is returned to the point of issue, unless otherwise directed by the Contracting Officer.

(j) Weapons.

(1) If the Contractor requests that its personnel performing in the theater of operations be authorized to carry weapons, the request shall be made through the Contracting Officer to the COMUSK. The COMUSK will determine whether to authorize in-theater contractor personnel to carry weapons and what weapons will be allowed.

(2) The Contractor shall ensure that its personnel who are authorized to carry weapons—

(i) Are adequately trained;

(ii) Are not barred from possession of a firearm by 18 U.S.C. 922; and

(iii) Adhere to all guidance and orders issued by the COMUSK regarding possession, use, safety, and accountability of weapons and ammunition.

(iv) The use of deadly force by persons subject to this clause shall be made only in self-defense, except:

(v) Persons subject to this clause who primarily provide private security are authorized to use deadly force only as defined in the terms and conditions of this contract in accordance with USFK regulations and policies (especially, USFK Regulation 190-50).

(vi) Liability for the use of any weapon by persons subject to this clause is solely the responsibility of the individual person and the contractor.

(3) Upon redeployment or revocation by the COMUSK of the Contractor's authorization to issue firearms, the Contractor shall ensure that all Government-issued weapons and unexpended ammunition are returned as directed by the Contracting Officer.

(k) Evacuation.

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(1) In the event of a non-mandatory evacuation order, unless authorized in writing by the Contracting Officer, the Contractor shall maintain personnel on location sufficient to meet obligations under this contract.

(l) Theater Specific Training. Training Requirements for IC/TR personnel shall be conducted in accordance with USFK Reg 350-2 Theater Specific Required Training for all Arriving Personnel and Units Assigned to, Rotating to, or in Temporary Duty Status to USFK.

(m) USFK Responsible Officer (RO). The USFK appointed RO will ensure all IC/TR personnel complete all applicable training as outlined in this clause.

(n) Changes. In addition to the changes otherwise authorized by the Changes clause of this contract, the Contracting Officer may, at any time, by written order identified as a change order, make changes in Government-furnished facilities, equipment, material, services, or site. Any change order issued in accordance with this paragraph shall be subject to the provisions of the Changes clause of this contract.

(o) Subcontracts. The Contractor shall incorporate the substance of this clause, including this paragraph, in all subcontracts that require subcontractor personnel to be available to deploy with or otherwise provide support in the theater of operations to U.S. military forces deployed/stationed outside the United States in—

(1) Contingency operations;

(2) Humanitarian or peacekeeping operations; or

(3) Other military operations or exercises designated by the Combatant Commander.

(p) The Contracting Officer will discern any additional GFE, GFP or logistical support necessary to facilitate the performance of the enhanced requirement or necessary for the protection of contractor personnel. These items will be furnished to the Contractor at the sole discretion of the Contracting Officer and may be provided only on a reimbursable basis.

## 9.0 Applicable Directives / Regulations

In addition to the directives and regulations identified in the IRES Contract SOO, paragraph 8.0, the following are applicable to this task order:

Title	Originator	Date
MDA Information Resources Management (IRM) Strategic Plan	MDA	April 2005
MDA Information System Monitoring	MDA	12 Nov 04
MDA Information Systems Maintenance and Change Schedule	MDA	23 May 13
Missile Defense Agency Incident Response Plan	MDA/ICT	02 Aug 06
MDA CIO Selection of IT Security Products	MDA/ICT	26 Oct 04
Disaster Recovery and Continuity of Operations (COOP) Guidance	MDA/CIO	14 Apr 05

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Title	Originator	Date
Defense Information Infrastructure Key Recovery Practice Statement for the United States Department of Defense Class 3 Assurance Public Key Infrastructure	DoD	April 2003
Washington Headquarters Services (WHS) Office of the Secretary of Defense (OSD) Class 3 Public Key Infrastructure (PKI) RA Certification Practice Statement	OSD	August 02
Enterprise Security Information Management (ESIM) System	ICTA	V1.0
DoDI 8320.02 Sharing Data, Information, and Information Technology (IT) Services in the Department of Defense	DoD	5 Aug 13
MDA System Development Life Cycle for Enterprise Applications	Government	Most current version
Telecommunications Management	MDA/CIO	31 Mar 14

## 10.0 Performance Requirements

This CPWS establishes the support services the contractor will perform, including the specific requirements and standards of performance for this Cost Plus Incentive Fee TO. The CPWS requirements were developed in accordance with the EITS TO SOO outcomes, thresholds, desired attributes, and constraints. The CPWS requirements are designed to ensure the contractor achieves the Government's prescribed outcomes and executes work within constraints. Performance thresholds are designed to exceed the EITS TO thresholds and to ensure delivery of the attributes MDA desires for its IRES contractor. Critical performance thresholds must be met to receive a Quality Performance Index (QPI) score greater than Unacceptable within each of the contractor's proposed Service Summary Items (SSI). Critical performance thresholds are identified as "KEY" and are highlighted in **BOLD** within the CPWS Performance Measurement tables. The CPWS has been structured to include:

- An alignment of the contractor's success with the Government's mission success (e.g., expanding the capacity in MDA Data Centers to accommodate the rapid provisioning of customer requirements in a cloud based architecture )
- A definition of the work in terms of results (e.g., IRES EITS TO outcomes)
- A definition of appropriate measurable performance thresholds and a methodology for surveillance
- Identification of critical performance thresholds that must be met to score greater than Unacceptable
- Identification of the deliverables and milestones associated with successful TO execution. Each CPWS paragraph references the required deliverables, initial delivery date, and frequency of delivery
- A mapping of performance thresholds by CPWS element to the contractor's proposed SSI

Figure 3k-2 identifies the surveillance methodologies that will be used to indicate quality and completion of CPWS requirements. Each CPWS paragraph references the appropriate surveillance methodologies, as identified in Figure 3k-2. Note: Deliverables and CPWS Performance Measurement data are identified at the lowest level of the CPWS.

**Figure 3k-2 EITS Surveillance Methodology**

<b>ID</b>	<b>Surveillance Method</b>	<b>Surveillance Approach</b>
A	Direct Observation	The contractor's Information Technology Service Management (ITSM) Department leadership team shall periodically perform direct observation of EITS activities based on frequency specified in the CPWS.
B	Jacobs Enterprise Management System (JEMS) Portal	The JEMS Portal shall be used for general surveillance and be supplemented by periodic inspections. JEMS Portal dashboards and reports shall be used to evaluate outputs such as TO cost and schedule performance.
C	Periodic Inspection	The contractor's Mission Assurance Office shall perform comprehensive evaluation of selected outputs. Inspections shall be scheduled quarterly unless otherwise specified in the CPWS.
D	MDA Business Intelligence Tools	MDA Business Intelligence Tools shall be used for general surveillance of the MDA Services Portfolio. MDA Business Intelligence Tools dashboards and reports shall be used to evaluate outputs such as availability of systems/services.
E	User/Customer Survey	The contractor shall solicit user/customer feedback through the use of random and targeted surveys. Negative results of the customer survey may generate a requirement for periodic and 100% inspections.
F	Validated User/Customer Complaints in Remedy	Remedy shall be used to capture user/customer identified deficiencies. All complaints shall be investigated and validated.
G	100% Inspection	100% inspection shall be performed on all CDRLs, as well as configuration and change management activities for MDA critical IM/IT services and IT infrastructure.
H	Periodic Sampling	Period sampling shall be performed as a follow-up to JEMS and/or Remedy analysis. Periodic sampling shall only be performed when a deficiency is suspected. Sample results are applicable only for the specific work inspected.
I	Random Sampling	Random sampling shall be performed for large quantity repetitive activities (e.g., preventive maintenance) with objective and measurable quality attributes.
J	Continuous Monitoring	The contractor shall continuously monitor the availability, reliability, and security of services, networks, and systems.

## 10.1 Systems Engineering and Program Integration

The contractor shall perform all management functions required to ensure proactive and sustained operational excellence in providing accurate, safe, secure, timely, and efficient enterprise IT support to meet the requirements of this CPWS.

### 10.1.1 Integrated MDA Framework

This section of the CPWS identifies major elements the contractor shall deliver as part of the contractor's Integrated MDA Framework (IMF). The contractor shall deliver an ITSM organizational structure and customer interface approach that addresses multiple, concurrent interfaces; a tailored ITSM/ITIL approach to further mature the MDA CIO's current processes; and a technology integration architecture that enables assessment of current tools and the application of best practices to support the MDA CIO in achieving its goals for 2020 and beyond.

#### 10.1.1.1 ITSM Organization

The contractor shall structure its ITSM organization around the ITIL service life cycle. The contractor shall designate a responsible official, to be located at the MDIOC, with responsibility

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for overseeing the implementation of the contractor's IMF. The contractor shall ensure resources are efficiently and effectively managed (including Government-furnished resources) and TO status is reported to Government representatives as required. The contractor shall establish weekly meetings to discuss and clearly define objectives, schedules, metrics, and performance issues related to the EITS TO. The contractor shall regularly seek feedback from the technical workforce to maintain awareness of potential performance improvement recommendations or operational issues.

The contractor shall use its ITSM organizational structure as the basis for defining user and permission groups. The contractor shall define each role based on a user's functional responsibilities, place within the contractor's organization, and the user's IT access privileges. The contractor shall consider Role Based Administration (RBA) in the design of job roles and verify that Human Resources data is accurately tied to RBA data.

The contractor shall baseline the current RBA hierarchy. During the IRES transition, the contractor shall work with the MDA CIO and the Joint National Integration Center Research and Development Contract (JRDC) contractor to understand the current MDA RBA hierarchy and map to the contractor's organization. As part of the baseline assessment, the contractor shall map current permissions and roles to the contractor's Departments, employee physical locations, job functions, job qualifications, and reporting relationships. The baseline of the MDA RBA hierarchy is an activity of the IRES Transition TO. The contractor shall use the baseline process to identify opportunities to eliminate redundant roles or consolidate roles with similar job functions. Following completion of the baseline assessment, the contractor shall develop and deliver an RBA plan that defines roles and responsibilities, security constraints and limitations, tools to be implemented to facilitate automation of RBA, implementation plan, and KPIs to measure the contractor's success against the plan. The contractor shall deliver the RBA plan to MDA within the first three months of the EITS period of performance and complete migration of our IRES RBA roles by the end of CY1. The components of the RBA plan shall include:

- Roles and responsibilities, including personnel responsible for maintaining the RBA hierarchy, user roles based on job functions including requirements for separation of duties, IRES role hierarchy, and role attributes (e.g., physical location, position, job function, qualifications, clearance requirements)
- Governance to address role life cycle management (e.g., definition, creation, maintenance, retirement)
- Role provisioning process
- Measurement, including: audit requirements and Key Performance Indicators (KPI) (e.g., percentage of incidents that involved inappropriate security access or attempts at access, audit findings that discovered incorrect access settings, and number of incidents requiring a reset of access rights)

The contractor shall streamline life cycle management for RBA through the implementation of an integrated role management solution incorporating workflow, confirmation of role functions, automated provisioning, and memberships tied to identity events so roles stay current. The contractor shall integrate applications currently on the MDA Enterprise Application List (EAL) to enhance the Agency's RBA capabilities, such as Microsoft (MS) Active Directory (AD), MS System Center Configuration Manager (SCCM), AD Rights Management Services, AD Advanced Group Policy Management, MS Certificate Services, 90meter, ActiveIdentity, and MS

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Forefront. As part of implementation of the RBA plan, the contractor shall review the existing MDA software library and select the best solution for integrated role management. This implementation shall be completed in CY2. In order to maintain an accurate RBA hierarchy, the contractor shall integrate RBA into the design or change to services. Additionally, the contractor shall review the RBA plan and roles annually to verify that the RBA architecture is appropriately designed to meet MDA CIO objectives.

Deliverables			
Deliverable	Initial Delivery	Frequency	
(b)(4)			
CPWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
(b)(4)			

#### 10.1.1.2 Tailored ITSM Approach

The contractor's certified ITIL Expert and Accredited ITIL Trainer shall lead the transition of ITIL/ITSM processes from the JRDC to IRES. During transition, the contractor shall work with the MDA CIO to sustain existing MDA ITIL/ITSM processes. The contractor shall also benchmark those processes against Best Business Practices (BBP) from the contractor's other operating locations and integrate into EITS operations following TO award. Sustainment of MDA ITIL/ITSM processes is an activity of the IRES Transition TO.

The contractor shall optimize existing ITIL/ITSM processes through the integration of the contractor's BBPs, industry best practices, and other IT frameworks. The contractor's ITIL processes shall be supported by detailed requirements definitions; process maps; Responsible, Accountable, Consulted, and Informed (RACI) matrices; and BBPs as a starting point for mapping and tailoring projected MDA processes. The contractor shall tailor its ITIL/ITSM processes through application of the contractor's unique approaches including (b)(4) (b)(4) (2) Systems Engineering (SE) Excellence with integration of the Risk Management Framework (RMF) to infuse cybersecurity awareness into the project life cycle; (3) Enterprise Architecture (EA) using the DoDAF 2.0 Architecture Development Process; (4) NetOps approach for providing situational awareness and defending MDAs critical network infrastructure; (5) IT as a Service (ITaaS) to deliver the flexibility and efficiency enabled by cloud solutions; and (6) (b)(4)

(b)(4)

(b)(4) The contractor shall develop detailed processes, Standard

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Operating Procedures (SOP), and work instructions that ensure efficient and successful step-by-step execution of each task.

Deliverables			
Deliverable	Initial Delivery	Frequency	
(b)(4)			

CPWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
(b)(4)			

#### 10.1.1.3 Technology Integration

The contractor shall collaborate with the MDA CIO and MDA CIO customers and stakeholders to identify, prioritize, and assess technology needs. The contractor shall capture these needs on the IRES Technology Roadmap. The IRES Technology Roadmap shall be an input into the MDA Technology Watchlist. It shall be continually maintained in its latest form on the contractor's JEMS Portal. The roadmap shall identify the source of the need (MDA customers and stakeholders), the functional domain and/or product line, and provide a detailed technology need description. It shall also include a relational database that matches the technology needs to potential sources/solutions and provide contact information on "owners" of the solutions/opportunities. The contractor shall brief the MDA CIO on the analysis and findings of potential improvements and technologies that show high promise for returning value based on real world internal and external drivers. The most promising technology candidates shall be added to the IRES Technology Roadmap and be presented to the MDA CIO in the form of an annual technology assessment report. The report shall describe the potential application of the technology in MDAs environment as well as the expected cost and benefit analysis. The contractor shall facilitate access to new technologies through its Jacobs Network of Engineering and Technical Subject Matter Experts (INETSE) (b)(4)

(b)(4)

(b)(4)

The contractor shall use its Technology Implementation Architecture as the framework to assess and implement new technologies. Technologies selected for implementation shall be:

- Championed by the contractor's Chief Technology Officer (CTO)
- Compliant with federal regulations, MDA CIO directives, and cybersecurity requirements
- Evaluated by a collaborative implementation team including the end user

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- Managed for risk and cost
- Supplemented by business case analysis that assess the return against the total investment (both one-time and full life cycle costs) and associated risks

The contractor shall form technology implementation teams with appropriate members from each of the contractor's IRES Departments. The contractor's CTO shall oversee the teams and meet quarterly to review new technologies. The contractor shall ensure all technology under consideration undergoes testing in an environment that mimics the MDIOC operational architecture and configuration. To increase customer and end user buy-in and reduce implementation risk, the contractor shall invite end users to participate in the implementation teams.

Deliverables		
Deliverable	Initial Delivery	Frequency
CDRL 009: Operational Support Documents: Technology Refresh Plan	PerCDRL	PerCDRL
IRES Technology Roadmap	120 DAC	Annually

CPWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
(b)(4)			

### 10.1.2 Task Order Administration

The contractor shall successfully integrate and coordinate all activities needed to execute the requirements of this CPWS and the EITS TO. The contractor shall manage the timeliness, completeness, and quality of TO administration deliverables. The contractor shall provide corrective action plans, proposal submittals, timely identification of issues, and effective management of subcontractors.

#### 10.1.2.1 Task Order Management

The contractor shall provide a single Point of Contact (POC) responsible for managing the cost, schedule, risk, and technical performance of the EITS TO. The contractor's POC shall serve as the liaison to the Contracting Officer's Technical Representative (COTR) or Assistant COTR (ACOTR), providing insight on TO performance. The contractor shall deliver an Integrated Master Schedule (IMS), in accordance with Integrated Program Management Report (IPMR) requirements, using the contractor's JEMS Portal. The EITS IMS shall be integrated into the contractor's IRES Integrated Schedule (IIS). To provide effective and efficient TO management

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and integration across the IRES contract, the contractor shall manage TO activities in accordance with the IRES Program Management Plan (CDRL TO2000 C007).

The contractor shall procure all hardware and software required for the execution of the EITS TO. (b)(4)

(b)(4)

The contractor shall leverage small businesses from its IRES Consortium in the execution of the EITS TO in order to achieve the contractor's Small Business Participation and Commitment Plan goals.

Deliverables		
Deliverable	Initial Delivery	Frequency
EITS Integrated Master Schedule	90 DAC	As Required

CPWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
(b)(4)			

#### 10.1.2.2 Task Order Reporting

The contractor shall conduct an Integrated Baseline Review of the EITS TO within 90 days of TO award. The contractor shall deliver an IPMR and TO status report for the EITS TO. TO status (e.g., technical, cost, and schedule) shall be reported to the COTR on a monthly basis. (b)(4)

(b)(4)

(b)(4)

The TO status report shall include:

- Cost and schedule performance by WBS and IRES organization structure
- Significant accomplishments
- Customer concerns or issues
- TO risks and status of identified mitigation strategy
- Performance against the IRES contract, SE&PI, and EITS SSIs
- Earned value reports
- Achievements relative to the utilization goals in the contractor's Small Business Participation and Commitment Plan

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- Quality assurance reviews, audit results, and non-conformance finding closure reports
- Safety information

Deliverables			
Deliverable	Initial Delivery	Frequency	
EITS TO Baseline Review	90 DAC	Once	
CDRL C001: IPMR	Per CDRL	PerCDRL	
CDRL C003: Task Order Status Report	Per CDRL	PerCDRL	

CPWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
(b)(4)			

### 10.1.2.3 Performance Management

The contractor shall track, identify, and share TO performance trends with the COTR, ACOTR, and MDA CIO. (b)(4)

(b)(4) The contractor's Performance Management Office (PMO) shall perform periodic audits of task estimates, track TO risks, and evaluate schedule accuracy based on TO performance trends. The contractor shall manage all TO CDRLs to ensure timely delivery and accuracy of information. The contractor shall survey TO customers to measure their satisfaction of services and products delivered in this TO. The contractor shall employ its Value+™ program to evaluate and improve TO performance based on performance thresholds and SSIs. The contractor shall collect and share TO lessons learned, best practices, and accomplishments with the COTR, ACOTR, MDA CIO, and IRES workforce.

Deliverables			
Deliverable	Initial Delivery	Frequency	
(b)(4)			

CPWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
(b)(4)			

### 10.1.2.4 Task Order Award and Modification

Reserved

### 10.1.3 Systems Engineering

The contractor shall perform TO systems engineering tasks in accordance with the IRES Program System Engineering Management Plan (CDRL TO2000 C005).

- *Requirements Management* – The contractor shall identify, manage, verify, and validate requirements in accordance with the contractor's IRES Systems Engineering Management Plan. The contractor shall identify, manage, verify, and

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validate cybersecurity requirements in the same manner as all other program requirements. The contractor shall protect MDA identified Critical Program Information (CPI) and Critical Technologies (CT) to the standards required in Department of Defense Instruction (DoDI) 5200.39, *Critical Program Information (CPI) Protection within the DoD*.

- *Systems Integration* – The contractor shall participate in IRES-wide system integration activities to identify gaps, share lessons learned, and develop and promote a common MDIOC vision
- *Enterprise Architecture (EA)* – The contractor shall perform TO activities that support MDA “to-be” architectures. The contractor shall participate in IRES-wide EA activities to identify gaps, share lessons learned, and develop and promote a common EA vision
- *De-Confliction of Critical Assets* – The contractor shall manage critical assets to include conflict forecasting and de-confliction. The contractor shall participate in IRES level de-confliction processes

Deliverables			
Deliverable	Initial Delivery	Frequency	
EITS Lessons Learned	End of CY1	Annually	
CPWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
(b)(4)			

#### 10.1.4 Mission Assurance

The contractor shall perform EITS TO activities in accordance with MDA-QA-001-MAP, the MDA Mission Assurance Provision.

- *Configuration Management* – The contractor shall perform TO configuration management in accordance with the IRES Configuration Management Plan (CDRL TO2000 C022). The contractor shall participate in IRES-wide configuration management activities to identify configuration management gaps, share lessons learned, and develop and promote a common configuration management vision
- *Risk Management* – The contractor shall perform TO risk management in accordance with the IRES Risk Management Plan (CDRL TO2000 C021). The contractor shall participate in IRES-wide risk management activities to identify risk management gaps, share lessons learned, and develop and promote a common risk management vision

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- **Cybersecurity** – The contractor shall perform EITS TO requirements in accordance with the Cybersecurity Risk Management Plan (CDRL TO2000 C016). The contractor shall participate in IRES-wide cybersecurity activities to identify gaps, share lessons learned, and develop and promote a common cybersecurity vision. The contractor shall establish measures to safeguard and protect Controlled Unclassified Information (CUI) from unauthorized access, disclosure, incident or compromise. The contractor shall provide support, source data, and analysis required to support receipt of system authorization in accordance with DoDI 8510.01, *Risk Management Framework*. The contractor shall integrate cybersecurity considerations into TO systems engineering, design, and risk management processes
- **Quality Assurance** – The contractor shall perform TO activities in accordance with the Quality Assurance Plan (CDRL TO2000 C020). The contractor shall perform periodic inspections as described in the CPWS surveillance methodology to ensure consistent achievement of performance thresholds.
- **Supply Chain Risk Management** – The contractor shall develop a supply chain map and authorized suppliers list for critical systems. The contractor shall protect TO supplies purchased in accordance with the IRES Supply Chain Risk Management (SCRM) Plan. The contractor shall participate in IRES-wide SCRM activities to identify SCRM gaps, share lessons learned, and develop and promote a common SCRM vision. The contractor shall participate in IRES-wide SCRM training and improvement activities

Deliverables			
Deliverable	Initial Delivery	Frequency	
Inputs to Supply Chain Map	90 DAC	Once	
Inputs to Authorized Supplier List	IRES Transition	Annually	

CPWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/ Data	SSI #
(b)(4)			

### 10.1.5 Workforce Development

The contractor shall maintain a qualified workforce able to perform the functions necessary to design, develop, deliver, operate, and sustain MDA IM/IT services. The contractor shall provide its ITSM Department employees with access to its Tuition Reimbursement Program for the pursuit of advanced academic degrees relevant to the IRES work scope. The contractor shall define Employee Development Plans (EDP) for each ITSM employee. EDPs shall be customized for each employee based on a combination of task-specific and functional area requirements. The contractor shall identify the training needs for skill progression training within a particular career field/functional area. On an annual basis, the contractor's leadership

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team shall meet to forecast and plan functional training needs (e.g., Cisco certifications, VMware Certified Professional – Cloud, ITaaS Certified Practitioner). The contractor's employees, with assistance from their Group Manager, shall be responsible for updating their EDP which identifies needed skills and additional training necessary to improve or expand on current skills. Employee EDPs shall be tracked and reported online via the contractor's JEMS Portal.

The contractor shall offer a series of development courses, forums, and symposiums to provide opportunities to advance the professional development of the contractor's leadership team and working-level employees. (b)(4)

(b)(4)

The contractor shall establish a formal mentoring program to provide members of its workforce with focused training and skill development from the contractor's technical expert personnel. In collaboration with the MDA CIO, the contractor shall identify critical positions and pair candidates (or the current holder of these positions) with mentors who will provide specialized instruction in accordance with the EDPs tailored to the candidate's strengths and weaknesses.

(b)(4)

Deliverables		
Deliverable	Initial Delivery	Frequency
Employee Development Plans	60 DAC	Annual Revision
Training Needs Forecast	End of CY1	Annually

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(b)(4)			
CPWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
(b)(4)			

#### 10.1.6 Safety and Environmental Stewardship

The contractor shall manage and track Task Order chemical inventories and hazardous material usage to support the Chemical Inventory and Hazardous Material Report (CDRL TO2000 C007). The contractor shall perform TO activities in accordance with the Environmental Program Plan (CDRL TO2000 C023). The contractor shall promote a safe work environment and perform TO activities in accordance with the Mishap Prevention and Safety Plan (CDRL TO2000 C024). The contractor shall report all reportable accidents and incidents within 72 hours of occurrence and submit daily (if required) until incident is closed.

Deliverables		
Deliverable	Initial Delivery	Frequency
None	N/A	N/A
CPWS Performance Measurement		
Performance Thresholds	Surveillance Methodology	Tools/Data SSI #
(b)(4)		

#### 10.1.7 Asset Management and Accountability

*SOO Paragraph: SE&PI SOO 10.1.2.2; EITS SOO 10.1.2.2, 10.4.2.8*

The contractor shall maintain traceability of all EITS IT assets, in accordance with DoDI/MDA 5000.76 and DoDI/MDA 5000.64. The contractor shall track and manage Government Property/Government-furnished equipment (GFE) in accordance with the IRES Property Management Plan. The contractor shall deliver a quarterly Asset Management and Maintenance Report (CDRL C004). The report shall capture all software licenses and deployed software obtained and in-use for MDA. The report should be configured by asset ID (barcode and/or

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serial number), software type and version installed, and the license accountability allocation. Summary records will also be provided detailing the type of software deployed by version, number deployed and number of licenses active and on file with the software librarian. Report will contain summary of IT hardware, which requires or is under maintenance agreement, and 2-Ltr allocation. Report will contain licensing and maintenance agreement information to identify those assets under ELA, ESA, Co-Term Agreements, etc... Format and data fields can be modified as needed to ensure currency of report. The contractor shall notify and coordinate the repair and test of GP/GFE items as required to support this TO. CDRL C006 shall include a custom report defined by the contractor and agreed to by the COTR, which shall identify all non-standard IT material procurements by customer, value and other pertinent information, with further subentries detailing procurement type (H/W, S/W, ODC, etc), function (Logistics, Facilities, IT, etc), or customer division (three- or four-letter)

10.1.7.1 (PPWP-A qty 3 -provides additional Customer IT value in support of expanded requests beyond average annual rates.) (PPWP-C\_Rows\_18-24)

Deliverables			
Deliverable	Initial Delivery	Frequency	
CDRL C004: Asset Management and Maintenance Report	Per CDRL	PerCDRL	
CDRL C006: Customer IT Report	Per CDRL	Monthly	

CPWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
(b)(4)			

### 10.1.8 Security

The contractor shall provide security administration to comply with applicable DoD, MDA, and local security directives, policies, procedures, and instructions in the safeguarding of BMDS controlled and classified information to include proper document marking, classification, storage, accountability, transmittal, and destruction. The contractor shall manage international security to comply with DoD and MDA requirements (foreign disclosure, International Traffic in Arms Regulations [ITAR], Trade Act Agreement [TAA]) as required. The contractor shall ensure that any individual requiring access to Government information technology systems completes Information Assurance Awareness training. The contractor shall ensure that personnel requiring privileged access obtain appropriate Computing Environment certifications for the operating system(s) and/or security related tools/devices they support or operate. The contractor shall ensure that personnel performing information assurance functions on national security systems meets the Committee on National Security Systems training requirements. The contractor shall protect CPI and CT in accordance with DoDI 5200.39, *Critical Program Information (CPI) Protection within the DoD*.

Deliverables
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Deliverable	Initial Delivery	Frequency
None	N/A	N/A

CPWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
(b)(4)			

## 10.2 Business Relations

The contractor's Business Relations Group shall be the primary interface with MDA customers and stakeholders to ensure the contractor fully documents and meet expectations in service delivery, and that business needs are being addressed and facilitated by the contractor's team. They shall also provide an avenue for surfacing strategic-level requirements, issues, or concerns on behalf of MDA CIO customers and stakeholders. The contractor's Business Relations Group shall be responsible for service portfolio and catalog management, business relationship management, service delivery coordination, and business analytics.

### 10.2.1 Portfolio Management

The contractor shall manage MDA IM/IT standard services through the service life cycle from proposal in the Service Pipeline, to design and operation in the Service Catalog, through removal from operation for Retired Services utilizing the Service Portfolio Management Strategy and Plan. The contractor shall inventory and document the existing MDA Services Portfolio during the IRES transition. The inventory of the MDA Services Portfolio is an activity of the IRES Transition TO. The contractor shall provide greater transparency for the end-to-end requirements-to-project inception, status and completion pipeline. This transparency effort shall produce an analytical capability that combines the significant data sources that are used to describe the CIO Portfolio into an interactive means to query, filter and present information regarding requirements and projects that have been completed, are underway, and are forecast in the future. This transparency effort shall also use metadata tags to provide a rapid means to identify projects associated with specific events, groups of events, locations, or technologies that are in the technical baseline. This effort shall consolidate the 7 disparate data sources that are needed to present the CIO portfolio data to senior leaders for action. The 7 data sources are: DMPPR, PSR, GTEs, Email that is selected for project status updates and changes, human-in-the-loop (Project Champions), 8700 tracker, and metric team reporting. The goal is to place this data into the EDAS data warehouse to ensure data quality and integrity.

The contractor shall develop a Service Portfolio Management Strategy and Plan document outlining the approved process of requirements review for MDA IM/IT services within three months of initiation of the EITS TO. The Service Portfolio Management Strategy shall specify the longrange goals of the Service Portfolio Management process, establish roles and responsibilities, and identify any guidelines and/or constraints on the design and/or execution of the process. The contractor shall document each requirement in the Service Pipeline and Service Catalog to include the requirement's function, stakeholder, resource utilization, including an

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assessment of existing infrastructure, and prioritization. The contractor shall continuously update the Service Portfolio as requests for new, change, or retirement of services are received from MDA customers and stakeholders. The contractor shall use a four-step requirements engagement process to define and document requirements for new or changed services. The process shall include: (1) stakeholder expectations definition, (2) technical requirements analysis, (3) requirements allocation, and (4) requirements management. As part of the requirements engagement process, the contractor shall analyze all existing infrastructure to ensure efficient utilization. The contractor shall define the appropriate level of change control for the high-level and then lower-level requirements. The contractor shall define the verification methodologies and criteria for each requirement and then tie each one to a specific verification procedure. The contractor shall use Remedy and Project DB to aid in decomposing, tracking, and verifying requirements.

In addition, the contractor shall:

- Maintain the definitive portfolio of MDA IM/IT services provided, articulating the strategic objectives supported by each service
- Ensure that ITSM Department employees understand all services to be provided, the investment in those services, and the strategic objectives supported by those services
- Work with the MDA CIO to prioritize MDA IM/IT service investments and identify the conditions and level of investment under which MDA IM/IT services will be provided
- Maintain the Service Catalog in a manner that represents the actual and present service capabilities
- Provide a method to analyze MDA IM/IT services and determine which are no longer viable and should be retired from service

Deliverables		
Deliverable	Initial Delivery	Frequency
Service Portfolio Management Strategy and Plan	90 DAC	Annual Revision
CDRL C007: Operational Support Documents: MDA Enterprise Strategic Plan	Per CDRL	PerCDRL
CDRL C008: Operational Support Documents: MDA CIO Service Portfolio	Per CDRL	PerCDRL
CDRL C012: Operational Support Documents: MDACIO Service Pipeline	PerCDRL	PerCDRL
MDA Service Catalog	As Required	As Required

CPWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
(b) (4)			

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(b)(4)

### 10.2.2 Business Relationship Management

The contractor shall provide a Business Relationship Manager (BRM) for the Colorado Springs and Huntsville MDA Regional IT Support sites and one BRM to support all other MDA operational locations. The contractor's BRMs shall work with MDA customers and stakeholders to ensure effective Service Level Agreement (SLA) management. The contractor's BRMs shall use SLAs to manage the relationship between the CIO and MDA customer. The contractor shall assist in defining KPIs for the SLAs. SLAs shall include customer commitments, service support requirements, quantitative and qualitative metrics for measuring the service, funding, and roles and responsibilities. Where applicable, the contractor shall include availability, reliability, performance, capacity for growth, levels of support, continuity planning, security, and demand constraints within the SLA.

The contractor shall provide Service Delivery Leads (SDL) for each of the MDA CIO service lines. The contractor's SDLs shall ensure that each customer-facing service is meeting the performance requirements as defined in the SLAs. The contractor's SDLs shall use Operational Level Agreements (OLA) to manage the performance commitments across the contractor's ITSM organization. Supplier Agreements shall be used to coordinate any additional support required from a vendor/supplier who currently is not part of the established MDA organization.

The contractor's BRMs shall define, within the context of the operations and of the customer, an understanding of which IT service outcomes are valued by MDA end users. This shall establish the service strategies that define the service's required functionality, security, resilience, and supportability while reducing the tendency to approve service features and functions not required or desired by the end user. The contractor's BRMs and SDLs shall work together to provide the necessary interface/exchange with MDA customers and stakeholders to ensure the contractor identifies and addresses any technical challenges or concerns early in the process.

Deliverables			
Deliverable	Initial Delivery	Frequency	
None	N/A	N/A	

CPWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
(b)(4)			

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### **10.2.3 Service Level Management**

The contractor shall define, document, agree, monitor, measure, report, and review the level of IT services provided to MDA customers and initiate corrective actions wherever appropriate. The contractor shall provide and improve the relationship and communications between the MDA CIO and MDA CIO customers and stakeholders through the contractor's BRM process. The contractor shall ensure that the MDA CIO and MDA CIO customers and stakeholders have a clear expectation of the level of service to be delivered.

The MDA IM/IT Service Catalog shall be the single authoritative source of IT services offered to the MDA CIO customers. The contractor's Service Catalog Manager shall review the MDA IM/IT Service Catalog quarterly to ensure it is accurate and the information contained includes the service details and support requirements. If a new service or change to service is required, the contractor's BRM shall work with MDA customers to define the requirements for service delivery. The contractor shall implement a SLA process flow as follows: (1) MDA CIO defines capabilities; (2) MDA customers identify Service Level Requirements; (3) BRMs develop SLAs; (4) IT Policy Planning and Portfolio Management Office (MDA/ICTP) ratify SLAs; (5) Service Delivery Leads monitor and report; and (6) BRMs ensure service quality. The SLA shall define the key service targets and responsibilities for the contractor and for the MDA customer. Service level requirements defined in the SLA shall be translated into OLAs to ensure all impacted contractor personnel are aware of and understand the services to be provisioned. The contractor's SDLs shall ensure that all operational services and their performance are measured in a consistent manner, and that the services and the reports produced meet the needs of the MDA CIO and MDA CIO customers and stakeholders. Using data retrieved from Remedy, the contractor shall translate performance statistics into customer terms and compare them to SLAs, triggering performance adjustment activities or performance problem resolution activities. Where services require improvement, the contractor's Continual Service Improvement (CSI) Office Manager shall develop and implement a service improvement plan to include service problems, improvement actions, MDA priorities, impacts, and risk.

The contractor shall provide a Demand Management process to anticipate and manage user demand for MDA IM/IT services. The contractor's demand management process shall match and optimize the computing capacity, infrastructure, and support resources required to support the user demand. The contractor shall identify and analyze patterns of business activity to understand the level of demand placed on an IT service, define and analyze user profiles to understand the typical profiles of demand for services from different users, ensure that services are designed to meet the patterns of activity, and anticipate and manage situations where demand exceeds the contractor's capacity to deliver services. The contractor shall conduct demand management activities that support the ability to scale MDA IM/IT services to end user needs. The contractor shall ensure that cost-justifiable IT capacity exists and is matched to the current and future needs of the MDA CIO. Outputs from demand management activities shall be used as inputs into IT service portfolio management in the refinement of IT services.

The contractor shall assist the MDA CIO in analyzing and developing an understanding of which end users/processes are utilizing/consuming which IT resource and to what level. The contractor will determine scheduling requirements for when the IT resources must be available, and will then forecast future IT resource requirements in correlation with availability/capacity management. This will synchronize high performance and promote effective use of available productive capacity through asset configuration and control.

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Deliverables			
Deliverable	Initial Delivery	Frequency	
CDRL C011: Quarterly Report	Per CDRL	Per CDRL	
SLAs	As Required	As Required	
OLAs	As Required	As Required	
Demand Management process	30 DAC	Annual Revision	
CPWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
(b)(4)			

#### 10.2.4 Business Analytics

The contractor's Business Analytics team shall manage the CIO dashboards and provide regular reports to MDA CIO and IRES leadership on the status of IM/IT services. The contractor shall provide training to its ITSM employees and IRES organization on tools, data, and best practices for business analytics. The contractor shall also provide a CIO-focused comprehensive data analytic capability to support the MDA test mission.

The contractor shall establish KPIs to use in its end-to-end management of the MDA IM/IT services. Each service shall include the necessary KPI to demonstrate that the service was delivered as agreed. Benchmarks to measure and report overall service performance shall be negotiated with MDA customers and stakeholders and documented in SLAs/OLAs. The contractor's benchmark reporting shall provide transparency in service operations and be used to make improvements in critical activities. (b)(4)

(b)(4)

(b)(4)

(b)(4)

The contractor shall build a data supply chain map of data sets used by MDA, and then link back to MDA and IRES processes to provide a framework for how data is used and how data usage fits into the broader MDA organization. After documenting the architecture, the contractor shall collaborate with the MDA CIO and MDA CIO customers and stakeholders to design a framework for implementing a common data integration approach across the MDA Information Environment. To develop the integrated MDA data architecture, the contractor shall utilize the following process:

- Select one subject area, targeting critical/core services (or a subset of these) and one target customer stakeholder group
- Add subject areas, user groups, and informational capabilities to the integrated architecture based on MDA requirements
- Document lessons learned and best practices using the contractor's Value+™ database and make improvements based on previous increments
- Validate the value of each iteration through customer and stakeholder feedback

During transition, the contractor shall document the current status of MDA Business Intelligence Tool implementation and verify that the contractor's integrated data architecture process is in alignment. The contractor shall develop and deliver a data-driven decision making plan defining how data, analytics, tools, and people shall be integrated to deliver the business intelligence MDA requires. The plan shall identify the KPIs and analytics to be captured, the chosen business analytics technology and implementation schedule, and the MDA and IRES roles and responsibilities for implementation. The contractor shall review the data-driven decision making plan annually to incorporate lessons learned and identify areas of emphasis for the coming year.

(b)(4)

The Contractor shall deliver Enterprise Data Analytics Services (EDAS) that improve the efficiency and performance of the Office of the CIO to be more predictive in understanding customer demand management requirements. The Contractor shall use data analytics to predict over-subscribed services and capacity in order to assist in making investment decisions and provide key performance analysis/metrics on the health of the ICT portfolio. EDAS shall support the development and maturation of an Integrated Enterprise Architecture (IEA) repository capable of conveying multiple views or perspectives facilitating integration and promoting interoperability across capabilities and among integrated architectures and building blocks in the MDA IEA. The Data Analytics Services Crew Lead and team shall manage and oversee EDAS systems to ensure the data is accessible, governed, managed, secured, and available when needed to provide data analytics and dashboarding (i.e., reporting). The Contractor shall manage the EDAS environment in Zone A, Zone B, and Production and in both classification domains. The Contractor shall be responsible for modelling complex enterprise problems, discovering insights, and identifying opportunities through the use of statistical, algorithmic, mining, and visualization

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techniques. The Contractor shall be proficient at integrating and preparing large, varied datasets and architecting specialized database and computing environments and communicating results.

The contractor shall respond to the need from the CIO office to provide a more comprehensive data analytic capability to support the MDA test mission. Three key areas have been identified, two are connected with the GNOSC (Cyber Common Operating Picture and Tech Baseline), and one is a pilot program to improve BMDS SIM Performance:

- **GNOSC/Cyber Common Operating Picture (CCOP)** – The contractor shall provide the necessary data sources, analytical platform and presentation capability to support two lines of operations (Admin/Genser and Mission Support) to maintain accurate real-time location and status of MDA cyber forces, including friendly, neutral, and adversary. The contractor shall use these data sources, analytical platform and presentation capability to provide targeted Cyber Situational Awareness for: MDA Senior Leaders, MDA CIO, MDA AO, MDA GNOSC, MDA CERT/CSSP, MDA ISSMs/PMs, and MDA Test Directors. The data, analytic and presentation capabilities shall be combined to provide an initial Operating Capability (IOC) to provide continuous mapping and rapid understanding of the cyber battlespace, including all 2LTR networks to the extent in which the data is made available to the contractor, and systems that are accessible to the contractor, as well as critical nodes throughout the global battlespace. The contractor shall provide the required computational analytic environment to support study of network bandwidth constraints as being suitable for desired capabilities and to assist in forecasted analyses based on node and link availability (software defined networking). The contractor shall provide the analytical capability to suggest network paths for data flows based on operational needs as they are projected, based on analyses of historically collected information.
- **BMDS SIM Performance** – The contractor shall utilize computational hardware and required software applications to provision compute, storage and network infrastructure to support data ingest, cleaning, processing, analysis, and reporting using customer provided representative BMDS test data to explore insights not readily available through conventional means. This effort shall be an extensible pilot effort, with a bounded scope based on the assumption that a group of approximately 5 users in the MWS environment require trusted read, write and execute privileges in the Hadoop environment remotely from the MWS Zone B enclave. The contractor shall deliver this capability, in keeping with a preliminary assessment that Active Directory integration can be implemented via Secure Assertion Markup Language (SAML) identity-based trust relationships that are bi-directional. The contractor shall also assume that operational Hadoop access controls and network configurations will be required for access. Network connectivity is likely to require Zone B boundary Ports, Protocol and Security configuration changes for inter-

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enclave traffic. Actual storage provisioning for this effort is at the discretion of the implementation team.

- GNOSC/Tech Baseline – The contractor shall provide data that supports alignment of the IC to the MDA 2030 Test Strategy vision. The contractor shall provide an IOC capability that provides responsive networks and systems access in support of Flight and Ground Test OPTEMPO in a dynamic Continuous Integration / Continuous Agile Testing (CI/CAT) CONOPS, within a 24/7 environment, in a manner which complies with a realizable, automated change management process.

Deliverables			
Deliverable	Initial Delivery	Frequency	
CDRL C011: Quarterly Report	Per CDRL	Per CDRL	
Integrated MDA Data Architecture	End of CY2	Once	
Integrate Remedy, Maximo, and Critical Asset List data	End of CY3	Once	
KPI Reports	30 DAC	Daily	

CPWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
(b)(4)			

### 10.2.5 Supplier and Software License Management

The contractor shall utilize Supplier Management Agreements (contracts) to coordinate any additional support required from a vendor/supplier who currently is not part of the contractor's IRES organization. The contractor shall use Preferred Partners and IRES Consortium members, where applicable, to obtain the best value for MDA investment dollars and ensure that suppliers perform in accordance with established targets, such as OLAs, and contract terms and conditions. The contractor shall proactively analyze the global market for supply chain risks, assessing the impact of detected risks, and implementing controls to address each risk in accordance with its Supply Chain Risk Management plan. The contractor's supplier management process shall adhere to its continuous risk management process by maintaining constant vigilance to detect, identify, assess, and monitor the presence of vulnerabilities and threats (e.g., product tainting,

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counterfeit parts, refurbished products sold as new, malware, supply chain disruptions) and managing relationships with trusted suppliers based on collaboration, information sharing, and validation. The contractor's supplier management process shall also comply with its system engineering plans.

The contractor shall establish Associate Contractor Agreements with all contractors identified in Section 8.0 of the IRES EITS SOO. The contractor shall establish an IRES Associate Contractor's Council (IACC) to formalize all contractor relationships at MDA and provide a quarterly forum in which all contractors are able to voice their concerns. The IACC shall be established and facilitated by the contractor, whose role shall be ensuring all contractors supporting the MDA mission, and those utilizing MDIOC assets and infrastructure, operate efficiently and cohesively. The IACC shall be chaired by the contractor's Deputy Program Manager.

The contractor shall comply with all hardware and software license agreements, thereby ensuring that only legally procured and authorized software is deployed and resides on network resources. During CY1, the contractor shall perform an assessment of existing hardware and software licenses by running an authorized software license auditor tool to identify the deployed software licenses across all systems of the network. The contractor shall identify opportunities to consolidate licenses and make use of enterprise license agreements in place of individual licenses. The assessment shall also be used to review the existing asset inventory to account for all systems in the organization. Any anomalies shall be identified and actions taken to remove the unlicensed software, obtain a valid license, or revise inventory lists. The contractor shall work with MDA CIO customers to ensure that hardware and software resources are properly authorized to be on the network. Software shall be authorized following the RMF Assessment and Authorization (A&A) processes in accordance with the National Institute of Standards and Technology (NIST) 800-37. The contractor shall consider usage trends, migration plans, operational changes, and Return on Investment (ROI) when researching alternatives. The contractor shall maximize ROI and maintain the warranty and maintenance coverage for hardware and software (including contractor-purchased items and MDA-purchased items).

All systems within IRES control shall be continually monitored and scanned to ensure that the hardware and software inventory is accurate, and that unauthorized hardware or software is handled in accordance with MDA and DoD standards. The contractor shall provide technical, physical, and administrative control of all authorized software to include a hard and soft copy software inventory, physical storage in a secure centralized location, and an annual inventory of all software. Reports shall be generated and periodically reviewed to ensure continued compliance with all software licensing requirements. Additionally, the contractor shall:

- Provide dedicated support for enterprise hardware and software license management
- Monitor and manage the MDA centralized data repository for enterprise-wide use to record and track information regarding software licensing meta-data and support agreements (e.g., vendor name, software name and version, number of authorized users and devices covered, number of users currently using the software, licensing fees, commencement and expiration date)

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- Track licenses, maintenance plans, renewal information, and media for MDA hardware and software
- Report to the MDA CIO any exceptions to vendor terms and conditions, including license non-compliance
- Perform a periodic review of hardware and software license and maintenance agreements and provide a monthly report with any findings
- Coordinate hardware and software license and maintenance agreement reviews with the MDA CIO within 120 days of expiration
- Advise the MDA CIO on hardware and software acquisition and discontinuation decisions
- Support the MDA CIO in maintaining software license compliance by recommending either the acquisition of additional licenses or curtailing usage, whichever is appropriate based on the applicable data
- Identify, document, and report license compliance issues to the MDA CIO and recommend appropriate action
- Perform periodic software license audits, reconciling the number of licenses utilized to the number owned by MDA

Deliverables			
Deliverable	Initial Delivery	Frequency	
Supplier Agreements	As Required	As Required	
Associate Contractor Agreements	60 DAC	Once	
IRES Associate Contractor's Council (IACC)	End of CY1	Quarterly	
CDRL 004: Asset Management and Maintenance Report	Per CDRL	Per CDRL	
Assessment of Existing Software Licenses	End of CY1	Annually	

CPWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
(b)(4)			

### 10.2.6 Financial Management

The contractor shall assist the MDA CIO in preparing and providing the data that allows MDA customers and stakeholders to understand the costs related to actual usage of IT resources. (b)(4)

(b)(4)

(b)(4)

The contractor shall coordinate with the MDA CIO to define the details of the IT financial management process, which shall include activities such as budgeting, chargeback/showback, and adding newly purchased assets to inventory. During CY1, the

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contractor shall analyze usage of IT resources and deliver a financial report that maps applications/infrastructure to the MDA CIO customers using the service. The contractor shall use this data as its initial financial management baseline and continue to adjust as IM/IT services are added, changed, or retired. (b)(4)

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CIO to define the Infrastructure as a Service (IaaS), Platform as a Service (PaaS), and Software as a Service (SaaS) usage costs and automate tracking and reporting using the VMware vRealize® Suite.

Deliverables		
Deliverable	Initial Delivery	Frequency
CDRL C011: Quarterly Report	PerCDRL	PerCDRL
CDRL C013: Chargeback Showback Metrics	Per CDRL	PerCDRL

CPWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
(b)(4)			

### 10.3 Service Engineering

The contractor's Service Engineering Group shall have overall responsibility for coordinating all aspects of service design and sustainment for MDA and shall manage the service design work through collaboration between the contractor's IRES Enterprise Architect, Project Managers, SDLs, and Service Design Engineers.

#### 10.3.1 Design Engineering

The contractor's Service Design Engineers shall use the contractor's Service and Design Management BBP as a guide to employ the documented individual service design processes and activities including integration of quality and security aspects important to deploying a resilient service. The key output of the contractor's service design process shall be a Service Design Package (SDP). The SDP shall enable the build, test, and release processes executed as part of the implementation of the service. The contractor shall deliver a SDP for each new IM/IT service, major change, or IM/IT service retirement. As part of the design, the contractor shall

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consider the reliability, maintainability, serviceability, resilience, and security of services/ systems. The designs shall provide a clear overview of the end-to-end performance of the service/system and ensure efficient utilization of existing infrastructure.

The contractor shall perform and Availability/Capacity Management planning. The contractor shall provide, recommend, and implement solutions to ensure availability of services in the near term and necessary capacity within the timeframe established by the Government. The contractor's requirements engagement process shall facilitate an integrated MDA-contractor requirements review, provide transparency into the requirements of the service pipeline allowing informed prioritization of activities, and employ the most efficient utilization of existing infrastructure prior to implementation. Using the contractor's BBP for Availability/Capacity Management, the contractor shall ensure MDA realizes the potential economies resulting from balancing tradeoffs between service availability and excess infrastructure capacity. The contractor shall define, analyze, plan, measure, and improve the availability and capacity of MDA IM/IT services. The contractor's service design engineers shall develop and maintain Availability/Capacity Plans to define the current and future service needs for MDA; diagnose and resolve availability/capacity-related incidents and problems; and verify that all MDA infrastructure, processes, tools, and roles are appropriate to meet agreed-to-service level targets. The contractor shall design appropriate and cost-justifiable availability technical features, based on RBA roles and procedures to meet the agreed upon availability levels. The contractor shall measure availability and capacity using standard KPI in order to assess and guide the health of the MDA IM/IT services. These KPI shall be tracked using the MDA Business Intelligence Tools. In collaboration with the contractor's CSI Office Manager, the contractor's design engineers shall implement proactive measures to improve availability of service based on KPI and SLA targets.

Deliverables		
Deliverable	Initial Delivery	Frequency
CDRL C005: Engineering Documentation	PerCDRL	PerCDRL
CDRL C006: Operational Support Documents	PerCDRL	PerCDRL
CDRL C010: Operational Support Documents: Capacity Management Plan	PerCDRL	PerCDRL
CDRL C017: Baseline Engineering Documentation	Per CDRL	PerCDRL
Service Design Package	As Required	As Required
Availability and Capacity Management process	30 DAC	Annual Review

CPWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
(b)(4)			

(b)(4)

### 10.3.2 Enterprise Architecture

The contractor shall ensure that all Enterprise Architecture (EA) activities and products are deliberately considered and appropriately integrated into the contractor's enterprise IT support activities, products, and services in alignment with the DoD strategy for implementing the Joint Information Environment. The contractor's EA process shall follow DoD Architecture Framework (DoDAF) 2.0 as the designated overarching framework to support IT service design activities. The contractor's EA process shall incorporate its Technology Implementation Architecture. The contractor shall overlay its EA process to the current MDA EA efforts to establish activities that can either build on the current efforts, or provide a maturity assessment that identifies areas for the contractor's EA team to focus on product and service improvement. The contractor shall establish the necessary interfaces with other MDA processes to integrate EA products into ongoing IT support activities and projects to realize the benefits of a mature EA effort. The contractor's EA team shall use best practices and guidance from DoDAF to determine what models are appropriate for developing baseline, target, and transition architectures. EAs shall have three time-phased views: Baseline, Target, and Transition. The contractor shall provide support to established EA programs that encompass current information systems, new systems, and determine where to insert emerging capabilities to optimize the IT mission value. The contractor shall establish EA baselines, target improvements, and plan for transition to the target. The contractor's EA products shall follow the standards and viewpoints of the DoDAF and be traceable to MDA CIO customer requirements. The contractor shall administer the MDA architecture software, IBM System Architect, and associated databases.

The contractor shall capture the current, "as is" architecture for each MDA enterprise service and create logical and physical maps of each service. The contractor shall create comprehensive logical and physical "as is" maps of MDA data centers, cybersecurity architecture, and networks. The contractor shall work with the MDA CIO to maintain linkages between EA processes, such as Capital Planning and Investment Control (CPIC), Requirements Services Process, and Service Portfolio Management. The contractor shall provide assessments with recommendations for investments that move the Agency toward the target architecture. The EA processes shall be integrated in a manner that best fits MDAs organization, culture, and internal management practices. The contractor shall use the Evaluate Phase of the CPIC to gather information for both the contractor's IRES Technology Roadmap, Technology Watchlist, and the Facility Support and Sustainment Plan. These plans shall serve as a mechanism for strategic service delivery and funding decisions that link Agency funding with the achievement of Government priorities through results and services.

The contractor's Enterprise Architects shall coordinate with its systems engineers and test engineers to review and de-conflict issues between the BMDS Test Event architecture and the IT EAs. The contractor shall define IT assets/services that are critical for the BMDS Test Event. The contractor shall identify and mitigate single points of failure within the architecture required to support the BMDS Test Event. The contractor shall define disaster recovery or continuity of operations processes and procedures as applicable to mission-critical systems or information. The contractor shall verify maintenance activities are scheduled outside of freeze periods.

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To provide for consistent security architecture across all networks and systems, and ensure security policies are created once and then enforced consistently with controls for every conceivable access scenario, the contractor's Information Security Systems Engineers (ISSE) shall participate in the planning for all systems integrated into the MIE. In collaboration with the contractor's Enterprise Architects, the contractor's ISSEs shall ensure consistent application of security policy across the MDA EA, verify RBA policies are incorporated into the EA, continuously update authentication processes, and work with the MDA CIO to automate security controls to enable rapid attack detection and response. During transition the contractor shall perform a cybersecurity architecture assessment in order to establish an accurate understanding of the security posture baseline. The cybersecurity architecture baseline is an activity of the IRES Transition TO.

Deliverables				
Deliverable		Initial Delivery	Frequency	
CDRL C005: Engineering Documentation		Per CDRL	Per CDRL	
CDRL C006: Operational Support Documents		Per CDRL	Per CDRL	
CDRL C017: Baseline Engineering Documentation		Per CDRL	Per CDRL	
CPWS Performance Measurement				
Performance Thresholds		Surveillance Methodology	Tools/Data	SSI #
(b)(4)				

### 10.3.3 Systems Engineering

The contractor's Chief Systems Engineer shall have the responsibility for developing, implementing, and continually improving the contractor's systems engineering program. The contractor shall perform EITS systems engineering tasks in accordance with the (b)(4)

(b)(4) The contractor shall utilize its SE Excellence approach to deliver common systems engineering knowledge, process, and tools across the contractor's ITSM organization. As part of the contractor's SE Excellence approach, the contractor shall focus the technical expertise on system-level thinking; employ clearly articulated systems engineering processes in an iterative, interdisciplinary manner to enable efficient realization of successful systems; and implement critical mission assurance processes early in the system/service development life cycle.

The contractor shall adhere to the prescribed methodology of the INCOSE systems engineering "V" and use it as a guide for processing system/service through each phase systems engineering life cycle. The contractor shall use its Systems Engineering process to define the relationship between requirements analysis and flow down, system elements, interface design, and the associated levels of integration and verification. This model shall guide EITS system evolution as each phase builds upon the previous to further define the solution and mature the technical baselines. Each phase shall be evaluated by progressively detailed technical reviews and paced by the associated milestone decisions. The contractor's systems engineering process shall be flexible and configurable where steps can be combined, skipped, or enhanced based upon the unique requirements, risk profile, or schedule constraint of a particular project. Process steps

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outlined in the systems engineering “V” shall be adapted to the size, complexity, and other relevant factors for any given project. The slate of control gates established as part of the systems engineering “V” shall be integrated with the MDA control gates and shall be combined or eliminated as best suits a given project.

The contractor shall ensure early-engagement of mission assurance within service/system design that considers risk, security, configuration, quality, and end user feedback as soon in the service life cycle as possible. The contractor’s systems engineering process shall include the Risk Management Framework (RMF) to integrate cybersecurity awareness into every project undertaken by the contractor’s ITSM Department. Additionally, the contractor’s systems engineering process shall accommodate the inclusion of risk management, quality assurance, and configuration management considerations throughout the service life cycle. It shall also integrate end user considerations into the service through early and frequent user feedback during the development phase.

Deliverables			
Deliverable	Initial Delivery	Frequency	
None	N/A	N/A	
CPWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
(b)(4)			

#### 10.3.4 Cybersecurity Engineering

The contractor’s ISSEs shall implement security controls that support the MDA mission; develop risk mitigation strategies associated with access to services, information, and systems; and document all security controls and their operation, maintenance, and associated risks. To ensure integration of information security across the IRES contract, the contractor’s SDL for Cybersecurity Services shall have responsibility for delivery of all Cybersecurity Services. This includes oversight of Cybersecurity plans, procedures, and security controls required to manage the risks associated with access to MDA IM/IT services, information, and systems. The contractor’s Cybersecurity Manager shall work with every member of the contractor’s team to ensure that cybersecurity is executed at a sufficient level to protect the integrity of the infrastructure during every aspect of support, including design of a system, responding to an incident call, investigating new technology for process improvement, or disposition of equipment at end of component useful life. The contractor shall ensure its workforce maintains cybersecurity qualifications and certifications required in the performance of CPWS requirements.

(b)(4)

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The contractor shall architect systems that incorporate different, complimentary security features such as intrusion detection integrated with intrusion prevention on both the firewall and inside the network. The contractor shall work with MDA on a daily basis to execute the cybersecurity guidance that shields the network from potential threats. The contractor's ISSEs shall conduct routine assessments to identify potential vulnerabilities, assess impacts and associated risks, and provide mitigation/recovery plans for cable plant and electronic communications environments. These processes shall be implemented at every location that handles sensitive information using IT tools and infrastructure, and shall adhere to Communications Security (COMSEC) protocols.

The contractor shall assist the MDA CIO in the transition from the current DoD Information Assurance Certification and Accreditation Process (DIACAP) to the DIARMF. The contractor shall provide the MDA CIO and the MDA CIO customers and stakeholders with an accurate and verified risk assessment that covers all of the security controls referenced in the DoD 8500 series and NIST SP800 series of publications. The contractor's RMF process shall provide qualified personnel, end-to-end mature processes, and tools to support the MDA mission, test, and business system owners to support issues identification and resolution.

The contractor shall develop and apply identity management and access control systems, enable cross-domain solutions, perform vulnerability analysis and penetration testing, and certify and accredit the security strength of systems. (b)(4)

(b)(4)

(b)(4)

(b)(4)



The contractor shall utilize the RMF process to maintain Authority to Operate (ATO) for classified and unclassified networks and systems to meet requirements for new RMF actions. When initiating a new A&A effort or updating an existing ATO in the Categorize phase, the contractor shall support a series of planning sessions conducted with input from the Authorizing Official (AO) and designated MDA stakeholders. The contractor shall use its Risk Management Process to identify, assess, evaluate, and mitigate risks associated with the effort. As part of the contractor's systems engineering process, the contractor's ISSEs shall stress proactive, early identification and assessment of risks to allow development and implementation of risk mitigation strategies before the integration of new systems or capabilities into the MIE. The contractor shall perform risk assessments and analyze impact areas and critical processes to identify those that may potentially affect security posture or effective system integration.

The contractor shall create and update Risk Management Plans to quantify known risk factors, threats, vulnerabilities, and mitigation strategies and shall regularly update and track new risks for reporting as appropriate. Additionally, the contractor shall integrate the control of key cyber terrain into the risk assessment to provide a complete evaluation of remediation options. Resulting residual risks shall be evaluated using the same process and mitigated where possible. The contractor shall identify and document remaining secondary risks, quantify probability of occurrence and consequence impact if an identified risk does occur, and incorporate mitigation effects into the final assessments.

The contractor shall perform security auditing, configuration and vulnerability management, and authorization to ensure comprehensive security management throughout the system life cycle and efficient approval decisions from the authorizing official. The contractor's ISSEs shall coordinate with the AO to complete the determination of system type and security level, which is required in order to plan the necessary actions for the A&A process. A planning session shall be conducted with the designated MDA stakeholders to determine the scope of the project. Determination of the type, enterprise level, and security level (e.g., unclassified,

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secret, or higher) shall be agreed on by the stakeholders in order to proceed with planning the security strategy. The contractor shall work with the MDA CIO and the MDA CIO customers and stakeholders to initiate or revise the System Security Plan (SSP) document. The SSP shall be a living document that will mature throughout the life cycle and address the critical areas that shall be reviewed during the audit process and contains system characterization information and management, operational, and technical controls.

The contractor shall verify baseline configurations for the IT systems and the associated documentation and perform system discovery on all IT devices that are connected to the enterprise. The contractor shall ensure that baseline data is documented in the Configuration Management Database (CMDB). The contractor shall apply designated control overlays, assess additional controls required, and use gap analysis to prepare and execute a strategy to accomplish the goal state through implementation of the tailored security controls. Data from the gap analysis and unacceptable or untimely impacts to mission resulting from the potential application of a security control shall be used to prepare the POA&M. The POA&M data, including milestone reviews to help track performance, shall be included in the SSP. The contractor shall assess its readiness for official verification/validation. In instances where numerous changes or improvements have been made in the infrastructure or the operating processes, or if there is no prior documentation or practice in place, the contractor shall coordinate with the AO to perform an internal pre-audit. This pre-audit shall be used to verify the organization's readiness for the official Agent of the Certification Authority audit. The contractor shall support the auditors in their review of the SSP document to assess risk and adherence to the plan, and shall conduct system scans to ensure the plan has been applied and that systems are functioning at the appropriate security level. This process shall result in the submission of the Security Authorization Package for AO risk determination and authorization in the security auditing and assessment. In accordance with the contractor's tailored ITSM approach, the contractor shall ensure that effective change management and configuration management processes are in place and properly used to implement vulnerability management (b)(4)

(b)(4)

The contractor shall incorporate end point detection and prevention agents that detect both the signatures and heuristics of malicious code, along with event monitors that have the intelligence to analyze routine log entries from suspect or abnormal incidents. The contractor shall execute hardening and scanning activities that incorporate the application of vendor patches and updates with Common Vulnerability and Exposure identification and remediation. The contractor shall use Host Based Security System (HBSS), Assured Compliance Assessment Solution (ACAS), and Security Content Automation Protocol tools to execute system scanning. The contractor shall incorporate hardening and patching activities into the contractor's configuration management processes to ensure that security controls are appropriately documented. The contractor shall incorporate change management practices that integrate the IT infrastructure changes with the IT security posture. Requirements for system patching shall be assessed as either emergency or normal.

The contractor shall maintain MDA's Certified Network Defense Service Provider (CNDSP) certification in accordance with DoDD O-8530.1-M, *Computer Network Defense (CND) Service Provider Certification Process*, to Protect, Monitor, Analyze, Detect, and Respond to cyber

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incidents. The contractor's implementation of proactive computer network defenses to improve internal detection capabilities shall include:

- Engineer the network security to defend networks by proactively defining abnormal behaviors
- Design cybersecurity monitoring for abnormal activities and collect detailed information. The data gathered will be tagged for subsequent search and retrieval (metadata tagging)
- Ensure security designed for networks includes collection of information from embedded sensors
- Perform forensic analysis (identification, preservation, recovery, analysis) of problems detected on host systems and on the network
- Assign hunters and scripters (code writers) to analyze digital signatures (ensures a message or document was created by a known sender) to locate new vulnerabilities and to find ways to detect them
- Research and design mitigation strategies
- Provide cyber threat intelligence to search across all collections of abnormal behavior and identify indicators of compromise (e.g., active hunting for known and unknown indicators)
- Provide continuous training on tools and techniques used to design network security and detecting, tracking, and resolving malicious problems

Using the contractor's IMF as a guide, the contractor shall support the development of Cross-Domain Solutions (CDS) that consider the entire systems life cycle from requirements definition through the security authorization process and deployment. The contractor shall provide CDS engineering, development, test and evaluation, implementation, and assessment and authorization services for automated access or transfer of information between two or more differing security domains for the timely sharing of authorized information critical to the success of the BMDS mission. Contractor personnel assigned to support MDA's requirements for cross-domain information sharing for operations, testing, exercises, experiments, wargames, and training shall have in-depth knowledge of CDS technologies on the Unified Cross Domain Services Management Office (UCDSMO) baseline as well as associated UCDSMO guidelines and criteria for CDS. In addition, contractor personnel responsible for engineering, testing, implementing and supporting security assessment and authorization (A&A) must have current working knowledge of and be proficient in supporting the approval processes for connecting to networks classified Top Secret (TS) and below, including Intelligence Community (IC)-owned CDSs, which connect to DOD networks, as well as CDS devices connecting to networks classified TS – Sensitive Compartmented Information (SCI).

Assigned contractor personnel shall be familiar with CDS policy, guidance, inter-organizational interfaces, documentation, and approvals associated with CDS. Contractor personnel shall demonstrate, at a minimum, capability to manage MDA CDS requirements in accordance with Department of Defense Instruction (DoDI) 8540.01, Cross Domain (CD) Policy, 8 May 20110. Contractor personnel shall also be familiar with Committee on National Security Systems Instruction (CNSSI) 1253, Security Categorization and Control Selection for National Security

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Systems, October 2009; the relevant National Institute of Standards (NIST) Special Publications (SP) on information security to include SP 800-37 Guide for Applying the Risk Management Framework to Federal Information Systems; and SP 800-53 Security and Privacy Controls for Federal Information Systems and Organizations, r.4, especially AC-4 Information Flow Enforcement controls and their implementation across a range of IT architectures including both client-server and cloud environments. CDS Analysts are required to maintain at least an IAM I certification and CDS Engineers are required to maintain an IAT III certification in accordance with current directives (DoDD 8140.01 and DOD 8570.01-M Change 4).

The contractor shall assist MDA in obtaining a CDS authorization (CDSA) for enterprise and point-to-point CDS solutions based on existing and approved technologies, and, as required, obtaining approval to connect new CDS technologies. The contractor shall also assist MDA in annually revalidating CDSAs. This assistance shall entail working with MDA information system (IS) and information owners to translate their cross-domain requirements into solutions that satisfy the customer's mission need and can be cost-effectively and efficiently managed through the appropriate Defense Information Systems Agency (DISA) and/or Defense Intelligence Agency (DIA) CDS approval process to achieve ATC. Prior to entering into the RMF process the contractor shall support MDA through the identification and documentation of the CDSE requirement; applicability of potential CDS alternatives, which provides a recommendation with analysis of alternatives to allow MDA to make a solution determination. The contractor shall assist MDA with coordinating any new CD-related technology development activities with the UCDSMO, as required.

The contractor shall provide MDA the CDS engineering and technical services that enable MDA CDS to successfully transit each phase in the DISN CDS approval and connection process, ensuring that this process remains fully integrated with the six phases of the RMF.

- **Phase 1 CDS Categorization and Criticality Determination:** The contractor shall support MDA with performing the security categorization and criticality determination for the system.
- **Phase 2 Select Security Controls:** The contractor shall support MDA with identification of the appropriate security controls.
- **Phase 3 CDS Security Control Implementation:** The contractor shall support MDA with the implementation and documentation of the implemented security controls.
- **Phase 4 CDS Security Control Assessment Phase:** The contractor shall support activities for the Security Control Assessor (SCA) to perform an assessment of the CDS. The contractor shall support MDA with presenting the assessment results and security control assessment plan to the CDTAB for their review. This shall enable the CDTAB to provide a risk assessment and recommendation to the DSAWG for approval.
- **Phase 5 CDS Authorization:** The contractor shall support activities for the SCA to perform the site security control assessment for a recommendation to the AO. The AO provides approval.
- **Phase 6 Operational CDS Monitoring.** The Contractor shall support MDA with performing continuous monitoring activities for the CDS.

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If an existing solution is determined to meet MDA requirements, just phases 4 through 6 shall be executed. If a new solution needs to be developed, all phases shall be addressed. These contractor activities shall also be integrated into and fully support the Risk Management Framework process mandated by DoDI 85101.01 and ICD 503, as appropriate. In performing these CDS engineering and technical tasks the contractor shall assist and support MDA in working with representatives from the Cross Domain Technical Advisory Board (CDTAB) to perform the necessary engineering and testing to confirm appropriate CDS security controls are properly implemented, support the analysis of alternatives, justify the selection of the recommended solution, and demonstrate satisfactory mitigation of identified residual security risk through security test and evaluation (ST&E).

The contractor shall prepare documentation as required by CDTAB and in accordance with the deliverables identified in DoDI 8540.01, Enclosure 4 and present these results to the Defense/IA Security Accreditation Working Group (DSAWG) in support of CDTAB recommendations to the DSAWG for approval. During the review, if the DSAWG identifies any findings regarding CDS risk, the contractor shall, as necessary, perform additional engineering and testing until the DSAWG approves the CDSA.

The contractor shall support all necessary activities to have the CDS authorized to operate by the authorizing official (AO) based on a successful assessment performed by the security control assessor (SCA) for functionality and security requirements.

During CDS development, the contractor's ISSEs shall provide guidance for the development of the filters used by the CDS to control access to the stored data. These filters shall be based on the application of attributes associated with user, network, application and device authorized clearances. The contractor's ISSEs shall provide security testing to verify functionality of the system and validate the controls.

In support of cybersecurity audits, assessments, and inspections, the contractor shall conduct cybersecurity plan reviews and critical systems/Continuity of Operations (COOP) reviews, perform security configuration compliance tracking, develop mitigation strategies, and track remediation activities for identified security weaknesses. The contractor shall coordinate and conduct system penetration testing to determine the potential for an actual breach. This includes penetration testing through external organizations and testing performed by the contractor's team. External penetration testing will cover the entire surface. Internal penetration testing will cover the operating system, application, interfaces, and any visible surface. The contractor's penetration testing methodology shall be implemented using the following steps: footprinting and reconnaissance, network scanning, enumeration, system hacking, and reporting. The contractor shall use nondestructive scanning and testing tools which, depending on the system being assessed, may include buffer overflows, social engineering, passive sniffing, session hijacking, web application and service attacks, SQL injection, and wireless and wired network protocol attacks.

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(b)(4)

Deliverables		
Deliverable	Initial Delivery	Frequency
CDRL C005: Engineering Documentation	Per CDRL	PerCDRL
CDRL C006: Operational Support Documents	Per CDRL	Per CDRL
CDRL C015: Certification and Accreditation Documentation	Per CDRL	PerCDRL
CDRL C017: Baseline Engineering Documentation	PerCDRL	PerCDRL
SSPs	As Required	As Required
A&As	As Required	As Required
POA&Ms	As Required	As Required
CDS	As Required	As Required

CPWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
(b)(4)			

### 10.3.5 Data Center Engineering

The contractor shall provide data center engineering services that leverage the MDA investment in virtualization; integrate planning, architecture, engineering, and technology to improve the operability and reduce the cost of ownership of MDA data centers; and deploy a cloud migration process to position the MDA CIO as a cloud service provider for RDT&E, operations, and business customers.

The contractor shall develop and deliver a data-driven decision making plan defining how data, analytics, tools, and people (based on RBA roles) will be integrated as part of the contractor's JCE. This plan shall be delivered in a format consistent with CDRL C018: Operational Support Documents: Data Management Plan. In addition to capturing the contractor's process for integrating the MDA data architecture, the plan shall identify the key performance indicators (KPI) and analytics to be captured; the chosen business intelligence tools and implementation

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schedule; and the MDA and IRES roles and responsibilities for implementation. The contractor shall review the data-driven decision making plan annually to incorporate lessons learned and identify areas of emphasis for the coming year.

The contractor shall sustain the in-place MDA Private Cloud, composed of both physical and virtual network, compute, and storage infrastructure, with a focus towards evolving and enhancing the private cloud to the next level of automation, control, and monitoring. Furthermore, to optimize the administration of the physical layer, the contractor shall, via standard lifecycle management, replace the traditional individual compute and storage devices with a hyper-converged infrastructure that combines separate compute, storage and networking technologies into a commodity hardware box, allowing the integrated technologies to be managed as a single system with a single pane-of-glass interface and linearly expanded through the addition of “nodes” to the base unit. The contractor shall assess availability, capacity, and demand to ensure capacity requirements are supported and the underlying platform achieves consistent availability of the systems. The contractor shall provision standardized, normalized, configuration controlled, and secure VMs as needed to minimize variation within the enterprise. The contractor shall create master operating system configurations, complete with cybersecurity requirements, and maintain the image to ensure continued compliance and control of secure machines on the network. The contractor shall tailor its backup and recovery process to ensure any VM can be readily restored based on the priorities of high, medium, and low assurance.

The contractor shall perform data center architecture design in accordance with the Cloud Computing Model (CCM), as represented in NIST Special Publication 800-146 and Cloud Security Alliance Reference Architecture V1.1. Data center design shall also comply with the contractor’s tailored ITSM framework life cycle. The contractor shall provide traceability of data center services to the MDA organization mission and functions. The contractor’s data center designs shall meet current and expected near-term service requirements for growth and surge. The contractor’s data architecture process shall provide a highly virtualized environment focused on VMware virtualization suite of tools and provide for the rapid provisioning and expansion/contraction of the provided IT services. The combined conventional and cloud computing resources deployed for the data center shall meet or exceed the in-place baseline capability and capacity requirements.

The contractor shall use its data center facility design process to assess customer requirements and assure the correct integration of technologies to provide the end users with an optimal solution that meets their needs. During the requirements development phase, the contractor’s design team shall consider server consolidation, virtualization, and typology (including blade systems, virtual hosts, and standard legacy systems); storage systems (including Network Attached Storage [NAS] and Storage Area Network [SAN] arrays), and their network connectivity and airflow requirements; network systems including typology, distribution, and special vendor needs; power diversity from legacy, low density arrangements to high performance computing with cluster technology. If overall performance is the priority, the contractor shall integrate rack-level solutions into the facility’s infrastructure design to optimize highly efficient IT with cooling and power delivery schemes which minimize the overall demand for power, space, and cooling. The contractor shall consider the following principles in their design of data center solutions:

- *Modularity* – The contractor shall focus on optimized modular alignment of all systems into common modules that are readily expandable. The contractor’s

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designs shall provide energy and operating efficiencies as well as build-out flexibility for customers. The contractor shall consider Total Cost of Ownership (TCO) and use models that compare alternative technologies at various key points in the facility life cycle to determine those factors that have the greatest impact on TCO. The contractor shall employ system concepts that align with costs to effectively deliver maximum utilization capability

- *Scalability* – Systems shall be designed and constructed to minimize initial capital cost, avoid stranding assets, and to be expandable for future needs
- *Flexibility* – System designs shall provide the ability to deliver a broad range of power and cooling capacities to respond to a dynamic IT environment
- *Adaptability* – The contractor shall consider the potential for future transition to alternate emerging technologies
- *Operational Continuity* – The contractor's designs shall account for phasing, operational considerations, and work planning on existing systems
- *Interoperability* – The contractor shall ensure systems, servers, racks, cooling, and power modules are designed to be interoperable to ease data center design and change management requirements

The contractor shall ensure new technologies that can offer improvements in performance, reliability, and resiliency of data center services are considered as part of the design phase. The most promising technology candidates shall be evaluated using the contractor's technology implementation architecture and presented to the MDA CIO with details on the potential application of the technology in the MDA environment, expected cost, and benefit.

Deliverables		
Deliverable	Initial Delivery	Frequency
CDRL C005: Engineering Documentation	PerCDRL	Per CDRL
CDRL C006: Operational Support Documents	PerCDRL	Per CDRL
CDRL C017: Baseline Engineering Documentation	Per CDRL	Per CDRL
CDRL C018: Operational Support Documents: Data Management Plans	Per CDRL	Per CDRL
Integrated MDA data architecture	End of CY2	Once

CPWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
(b)(4)			

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### **10.3.6 Network Engineering**

The contractor shall utilize its tailored ITSM approach to transition, baseline, enhance, and improve MDA network management operations. The contractor shall provide highly skilled network engineering support to the MDIOC and all other sites by delivering a team of professionals who are trained, qualified, and certified to meet all EITS network engineering requirements. The contractor shall identify opportunities for optimized network management, improved monitoring, and professional development needs for network personnel. The contractor shall recommend new technologies for integration and architecture alignment.

The contractor shall provide network engineering design and architecture support including engineering support and expertise for voice, video, data, and transmission networks. The contractor shall develop engineering solutions and evaluate new technology for integration into the MDA networks. The contractor shall evaluate the effect of architectural changes on the network. The contractor shall provide planning and engineering guidance to the MDA CIO; assist with network planning for contingencies, events, and current and future operations; and provide detailed planning of network changes to support emerging requirements. The contractor's network engineering team shall review, edit, publish, and maintain documentation and diagrams of engineering and design activities in agreed-upon and accepted industry-standard format. The contractor shall identify and recommend tools and processes to accomplish enterprise network operations and provide design and architectural recommendations for long-term/chronic problem resolution. The contractor's network engineers shall support the planning, execution, and after-action phases of current operations, contingency operations, and events.

The contractor shall sustain an uninterrupted "as-is" network architecture while subsequently mapping out and transitioning to a "to-be" or future state network architecture. During the IRES transition, the contractor shall document the ebb and flow of MDA networks. The total assessment (worst case consumption model) shall provide a baseline for infrastructure capacity necessary to meet the network services availability requirements. The network baseline activity will occur during the IRES Transition TO. Following transition, the contractor shall systematically baseline the entire MDA network architecture, including hardware, software, and processes, to understand the current state and identify opportunities for standardization and consolidation. The contractor's enterprise architects shall use the contractor's EA approach to determine what models are appropriate for developing baseline, target, and transition architectures. As new solutions are identified, the contractor shall capture them on the IRES Technology Roadmap and consider them for implementation using the contractor's Technology

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Implementation Architecture. Selected solutions shall be proven through prototyping to avoid mission impacts. As proof of concepts are deemed mission ready, the network architecture shall be updated to reflect the changes and then migrated into the production architecture in a coordinated and staggered fashion to avoid interrupting ongoing operations. The contractor shall verify operational performance based on evaluation against SLAs and through continuous monitoring of network activity.

The contractor shall evaluate the integration of Software Defined Networking (SDN) Technology. The contractor shall identify enabling technologies and processes and develop a plan for integrating SDN into the current MDA networks. The contractor shall identify SDN enabling technologies and processes, and develop a plan for integrating SDN into the current MDA networks. The contractor shall deliver the SDN Integration Plan to the MDA CIO by the end of CY1. Following MDA CIO approval, the contractor shall pilot SDN technology for integration into the MIE using the ITaaS Sandbox developed within the Integrated Test Lab. The contractor shall complete integration of pilot SDN technology into the MDA production environment by the end of CY3.

A/V Infrastructure Engineering services includes A/V Integration, which enhances the workplace and mission in many ways including staff and mission collaboration, improved learning/interactive environments, and a more effective means of long distance communication. The A/V Engineering team is responsible for new A/V distribution capabilities to include the design, procurement packages, implementation, technical refresh, and training of AV and VTC systems. Designs include all conference rooms, mission critical operations centers, War Rooms, streaming video head ends and infrastructure, executive offices, lecture and training rooms, and Network and Security operations centers at core locations and remote sites as prescribed by the government. A/V Engineering will maintain the MDA enterprise technical standards for A/V infrastructure hardware, design, installations, and implementation. A/V Engineering recommends Risk Management Framework (RMF) compliant audio video solutions. The A/V engineers will manage the full lifecycles for requested projects. Project lifecycles include review change packages, perform site surveys with project managers and stakeholders, work with IT engineers for coordination of build-outs and configurations related to IT designs, attend WST meetings, review redlines and updates, review room layouts, consult with Facilities Management for conduit, power, floor tile penetrations, rack locations and wall mounted equipment. The A/V Engineering team advertises and designs systems in accordance with standard practices.

Deliverables		
Deliverable	Initial Delivery	Frequency
CDRL C005: Engineering Documentation	PerCDRL	PerCDRL
CDRL C006: Operational Support Documents	PerCDRL	PerCDRL
CDRL C017: Baseline Engineering Documentation	PerCDRL	PerCDRL
SDN Integration Plan	End of CY1	Once
Pilot SDN Technology	End of CY3	Once

CPWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #

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CPWS Performance Measurement (concluded)			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
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#### 10.3.7 Application Development

The contractor shall provide application design, documentation, and development support for MDA business applications, core applications, and tools. The contractor shall use its tailored ITSM process to manage the application development life cycle. The development process shall include recurring and frequent contact with the end users and application owners to ensure applications meet both their needs and wants. This process shall include the development of both static presentations and application prototypes as needed to illustrate presentation, function, and usability. The contractor shall provide documentation that addresses user requirements, database design, application development, user level documentation, and deployment documentation to include references to dependent systems and services. The contractor shall perform thorough functional user testing of applications and services, and prepare user-level documentation in compliance with RMF, Security Technical Implementation Guidance (STIG), secure coding standards, DoDI 8500.1, DoDI 8500.2, DoDI 8580.1, and Section 508 rules. The contractor shall follow Change and Configuration Management processes to mitigate impact to application as a result of systems updates, application software updates, security requirements and scans, or failures.

To ensure applications and software systems satisfy customer requirements, the contractor shall analyze business solutions from a variety of sources, including commercial, private, and Government software systems and applications. In deciding whether to develop in-house or select an existing application, the contractor shall document the application options (e.g., custom-developed, Commercial-off-the-shelf [COTS], or Government-off-the-shelf [GOTS]) and factors supporting the selection decision, including cost/benefit analysis, feasibility study,

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and an Analysis of Alternatives (AoA). Depending on specific customer requirements, this shall be a formal process following DoD guidelines for the format and content, or an informal document that captures the requested content. The contractor shall perform a cost/benefit AoA for each of the options. The studies and analysis shall include the following considerations:

- Time and cost to develop versus acquire
- Hardware in place to host each solution
- Special access requirements
- Maintenance costs
- Capability to integrate with the existing infrastructure and security requirements
- Retirement of software if a new Government requirement deems it obsolete

The contractor shall compare not only the cost of the items, but also the value that each one of the options will bring to the MDA CIO and the MDA CIO customers. After comparing all of the options in the contractor's cost/benefit AoA, the contractor shall compile the information gathered and make a recommendation for the most feasible and cost-effective solution that meets MDA CIO and end user requirements. The contractor shall provide its findings for each option and the contractor's recommended solution. Following selection of the appropriate application, the contractor shall:

- Update the MDA Service Catalog
- Document the specifications of the new application
- Analyze and update any required DoDAF documents and any processes or business rules
- Document support requirements and update SLA
- Execute application test and integration early in the development process to reduce overall project risk by uncovering potential interoperability issues when it is still cost-effective to make changes
- Document any changes to customer applications that were required
- Develop knowledge base articles and deliver end user training using remote delivery of class content through WebEx, Video Teleconferences (VTC) or pre-recorded training sessions, and hands-on end user training at the customer site.

#### 10.3.7.1 Missile Intelligence Secure Link (MISL) (PPWP – qty 3)

Jacobs shall plan, design, develop, test, and implement semi-annual releases for upgrades/improvements/enhancements of the MISL. Missile Intelligence Secure Link (MISL) is a SharePoint 2010 Enterprise base website with custom web parts. A Development Utilization Report that will include development hours, purpose, and product/capability provided as per CDRL C016.

Deliverables		
Deliverable	Initial Delivery	Frequency
CDRL C016: [Application Name] Application Engineering Documentation	Per CDRL	Per CDRL

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CDRL C017: Baseline Engineering Documentation	Per CDRL	PerCDRL
New or Changed MDA Application	As Required	As Required
Cost/Benefit Analysis and Analysis of Alternatives	As Required	As Required

CPWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
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### 10.3.8 Sustaining Engineering

The contractor shall utilize its SE Excellence approach to balance system performance and total life cycle cost with the goal of ensuring that each service is designed with the end user in mind. The contractor shall establish objectives and requirements with broad customer and stakeholder consensus, either before initiation or very early in the service life cycle, and then conduct rigorous configuration management to control and understand change. Using the contractor's systems engineering management process as a guide, the contractor shall continually evaluate IM/IT service and MDA IT infrastructure performance, reliability, and availability. The contractor shall use a risk-based decision process and recommend projects and other specific actions that ensure existing infrastructure/services perform as required, or provide recommended changes to enhance system/service performance, quality, and/or efficiency. The contractor's sustaining engineers shall maintain a thorough understanding of the assets and capabilities they are assigned and maintain an in-depth, total systems understanding of processing protocols, processes, operational procedures, and other critical issues associated with maintenance and security of the MDA IT infrastructure.

The contractor shall baseline all IM/IT services and MDA infrastructure transferred to IRES by the end of CY1. The contractor shall evaluate each modification to a service or system configuration baseline to ensure the necessary steps are followed for availability, continuity, and to maintain cybersecurity integrity as part of the contractor's change management process. The contractor shall maintain accurate and complete documentation of IT infrastructure and systems, and ensure disciplined configuration control of documentation to support cost-effective Service Design and Operations processes. The contractor shall ensure that all drawings accurately reflect the as-built configurations. The documentation shall be accurate, complete, archived, and readily accessible to those performing design and operations functions. The contractor shall ensure configuration management personnel are involved in the Service Design process, verify engineers provide as-built configurations at project completion, perform verifications to ensure accuracy and completeness, and use a priority-based approach for updating drawings to improve drawing integrity.

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The contractor shall deliver an IT Service Continuity plan that defines the strategy for sustaining the continuity of services available in the MIE. The contractor shall manage risks that could seriously impact the availability of IM/IT services for MDA end users. The contractor shall consider risk reduction measures, recovery options, and COOPs to enable recovery from a minor event to potential contingency operations for a major disaster. The contractor's sustaining engineers shall identify and prioritize services based on criticality to MDA RDT&E, mission support, and business systems. The contractor shall perform annual service continuity testing on MDA services. The contractor shall support all facets of contingency planning to ensure the MDA services are not interrupted, including:

- Determine a goal state, identify gaps between current and goal state, determine plan of action including necessary steps to document, and execute the plan
- Document approved recovery actions, conduct periodic testing of the plan, perform continual improvement as needed to address issues or gaps revealed during testing, and revise the plan
- Ensure that appropriate continuity mechanisms and data collection tools are put in place to meet or exceed the agreed-upon service continuity targets defined in SLAs
- Implement proactive measures to improve the continuity and recovery of services
- Conduct regular risk assessments to manage MDA IM/IT services within agreed levels of risk, in conjunction with our Availability/Capacity Management and Information Security Management processes
- Develop contingency plans based on the identified critical RDT&E, mission support, and business functions; fiscal constraints of the organization; utilization of Jacobs BBPs; and compliance with new and current DoD regulations
- Develop a Cloud Service Continuity strategy as part of the transition to the MDA private cloud
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Deliverables			
Deliverable	Initial Delivery	Frequency	
CDRL C017: Baseline Engineering Documentation	Per CDRL	Per CDRL	
Baseline of all IM/IT services	End of C Y1	Once	
Service Continuity Plan	30 DAC	Annual Revision	
CPWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
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## 10.4 Project Management

The contractor's Project Management Group shall have overall responsibility for coordinating service implementation activities from receipt of the request for a new or changed service through deployment into the production environment. The scope of this CPWS element includes project management; change management; configuration management; evaluation, validation, and testing; release and deployment management; and knowledge management.

### 10.4.1 Jacobs System to Ensure Project Success

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The contractor shall deliver an initial Project Management Plan, based on the chartered service, which includes applicable requirements, deliverables, verification/acceptance methods, milestones, a risk assessment, a work breakdown structure, dependencies and assumptions, integrated schedule, cost estimates, and a cost reporting structure. To ensure stakeholder buy-in, the contractor shall conduct an internal review process for the Project Management Plan with the designated SDL, engineers, and other stakeholders. Once the new or changed service is chartered, the contractor shall facilitate a Project Startup Board (PSB) with key CIO stakeholders, including other impacted organizational elements. PSBs shall only be chartered for complex projects. PSBs shall include a review of the project schedule, resource requirements, and personnel availability; a thorough risk assessment; and a decision whether or not to proceed. Based on the PSB, the contractor shall update the Project Management Plan to include team structure, membership, roles and responsibilities, resources, interim milestones, critical paths, and any new risks, dependencies, or assumptions.

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Deliverables			
Deliverable	Initial Delivery	Frequency	
Project Management Plan	As Required	As Required	
Project Startup Board	As Required	As Required	
Knowledge Base Articles	As Required	As Required	
CPWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
(b)(4)			

#### 10.4.2 Change Management

The contractor shall manage, monitor, and update the enterprise-wide and mission unique enclave Change Management processes when introducing any change into the MDA IT production environment. The contractor shall deliver a Change Management process, based on ITIL and contractor best practices, that provides a standardized and effective means of managing changes and preventing unplanned service outages, missed targets, and data corruption. The contractor shall recommend and then utilize an approved change priority hierarchy with classifications (e.g., impact, priority, risk). Their change authorization process will align with MDA CIO and MDA CIO stakeholder requirements. The contractor shall maintain, manage, and update a request for change status register that is used to record, track, and report on the status requests for change submitted for consideration. The contractor shall receive and document requests for change and classify proposed changes to the services, which shall include the cost of the change, a risk impact assessment, and any system(s) security considerations. The contractor shall develop and maintain a forward schedule of change to include schedule of planned,

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approved changes for MDA CIO review. The forward schedule of change shall also identify authorized service interruptions, planned maintenance windows, and availability windows for all configuration items. The contractor shall use the Remedy Smart Reporting interface to create a calendar view that depicts authorized service interruption periods, configuration freeze periods, pre-approved maintenance windows, and configuration item/service availability. The contractor shall provide change documentation, as required, including proposed metrics for measuring the effectiveness of a change. The contractor shall publish and communicate the approved forward schedule of change to the MDA CIO and stakeholders. The contractor shall monitor changes, perform change reviews, and report results of changes, impacts, and change effectiveness metrics. The contractor shall verify that changes meet objectives based upon predetermined effectiveness metrics, and determine follow-up actions to resolve situations where the change failed to meet objectives.

The contractor shall identify a single person to serve as its ITSM Change Manager. The contractor's Change Manager shall be responsible for coordinating and executing the contractor's Change Management process. This shall include review, approval, coordination, scheduling, and monitoring of requested changes to the production environment. The contractor shall coordinate with its operational and application development resources to ensure the stability, control, and integrity of the production environment. The contractor's Change Manager shall coordinate with the MDA Facility Manager for facility changes that impact MDA IM/IT services.

Changes shall be initiated through an approved request for change, as a result of an Incident or Problem resolution, or as part of a continuous service improvement initiative. Requests for change shall be generated using Remedy and updated at each stage of the Change Management life cycle with the appropriate Remedy change record status. Changes subject to the contractor's Change Management process shall include hardware, software, network components, facilities, databases, documentation, processes, procedures, and anything deliberately introduced into the production environment affecting its functioning, as reflected in OLAs and/or SLAs. The contractor shall assess the potential impact of the change and prioritize based on impact and urgency. The contractor shall present the evaluated and prioritized change to the MDA Change Advisory Board for review of impact and approval of prioritization prior to scheduling and implementing the change. After a change has been approved, prioritized, and scheduled, the contractor's assigned Design Engineer shall develop the SDP and the contractor's Project Manager shall execute build, test, and verification of the change. Before the change is closed, the contractor shall ensure any required evaluation is accomplished. The contractor shall validate that the actual outcome of the change meets the requirements of the change request. After objectives have been accomplished and verified, and there are no outstanding issues or actions, the change record shall be closed in Remedy. If the change represents a new or improved MDA IM/IT service, the contractor shall update the Service Catalog to reflect the new or improved service.

Deliverables		
Deliverable	Initial Delivery	Frequency
Change Management Process	30 DAC	Annual Review
Request for Change Status Register	30 DAC	Weekly
Change Priority Hierarchy	30 DAC	As Required
Forward Schedule of Change	30 DAC	Weekly

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Requests for Change	As Required	As Required
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CPWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
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#### 10.4.3 Configuration Management

The contractor shall deliver a Change Management process based on ITIL and contractor best practices that provides a standardized method for managing, monitoring, and updating configuration. To ensure accuracy and consistency in tracking of configuration items, the contractor shall perform a complete inventory of all IT systems, services, agreements, applications, and accompanying artifacts during CY1. This inventory shall establish the baseline for configuration items and software license information. Once the baseline is established and documented, the contractor shall place any undocumented configuration items under configuration control and document them in the MDA CMDB. The contractor shall identify duplicate hardware and software assets, as well as candidates for reuse, to eliminate redundant assets from inventory and maintenance. Following documentation of the baseline configuration, the contractor shall update the CMDB for non-conformances and forward schedule of change to account for changes or opportunities for improvement identified as a result of the baseline.

The contractor's Mission Assurance Office shall ensure configuration management procedures are in place and that they comply with MDA-QS-001-MAP, *MDA Mission Assurance Provision* and our IRES Configuration Management Plan. The contractor's Configuration Management Team shall have responsibility for configuration management for all MDA IM/IT services. The contractor shall assign a Configuration Management Specialist to all service requests to account for, manage, and protect the integrity of configuration items by ensuring that only authorized items are used and only authorized changes are made to those items. The contractor's Configuration Managers shall verify that controls are in place to manage changes to configuration items, implemented changes and releases are validated against the release or change plan, and the integrity of data in the CMDB is maintained.

The contractor's configuration management process shall consider de-confliction, security, technical risk, and mission impact for every configuration change. To ensure that configuration

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items are accounted for and recorded consistently, the contractor shall document all configuration items in the CMDB with a unique configuration item name as well as its relationship to other configuration items and services. The contractor shall also identify and document relationships between configuration items, services, and configuration freeze periods in the CMDB. The CMDB shall be used control configuration items throughout their life cycle. The contractor shall verify that any addition, removal, or modification of a configuration item within the CMDB has an approved request for change. The contractor shall perform an annual audit of the MIE production environment to review and verify the physical existence of configuration items and check that they are correctly recorded in the CMDB. In addition to the annual audit, the contractor shall review configuration management KPIs against audit findings to identify areas for improvement.

The contractor shall deliver an integrated IT asset and configuration management process to improve the overall alignment of the MDA IM/IT services and assets. The process shall integrate financial, contractual, and inventory functions to support both strategic decision making and life cycle management for the IT environment. The contractor shall work closely with the MDA CIO to ensure accountability for IT-related nonexpendable, expendable, and durable assets from initial receipt until disposition. The process shall integrate IT asset management with change and configuration management and assist in maintaining asset contracts, notify technicians of expiration dates, identify configuration item impacts and dependencies, and link software licenses to assets.

The contractor shall apply change and configuration management processes to management of MDA applications, ensuring proper deployment of software assets into the production environment and disposition of these assets at the end of their life cycle. The contractor shall maintain accountability of all MDA hardware and software and provide traceability to the end user. All IT assets shall be configuration-controlled in the MDA CMDB. The contractor shall ensure that hardware and software items are uniquely identified and changes are tracked and recorded the CMDB. The contractor shall manage inventory levels to efficiently utilize capital investment while maintaining adequate coverage for known/projected demand. The contractor shall maintain control and accountability over assigned products, and shall determine appropriate distribution based on lead times and demand.

The contractor shall establish and continually improve integration between the MDA CMDB and the IT asset management responsibilities. To ensure accuracy and consistency in tracking of configuration items, the contractor shall perform a complete inventory of all IT systems, services, agreements, applications, and accompanying artifacts during CY1. This inventory shall establish the baseline for configuration items and software license information. Once the baseline is established and documented, the contractor shall place any undocumented configuration items under configuration control and document them in the MDA CMDB. The contractor's integrated asset and configuration management process shall:

- Create alignment between MDA hardware/software assets, services delivery, and pooling of resources and capabilities
- Identify redundancies (cost-saving opportunities) and gaps (potential shortfalls in mission support)

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- Remove silos between network/systems functional areas to increase communications and collaboration
- Establish process interfaces and improve overall performance and responsiveness for MDA IM/IT services
- Identify areas for technology integration, such as the integration of IT, facility, and systems engineering assets through our JCE approach. This will provide greater situational awareness for event de-confliction processes
- Promote greater standardization of end user devices and reduced complexity of desktop environments and support requirements

The contractor shall complete quarterly and annual inventories of MDA IT Assets and provide a monthly IT Asset Management report to the MDA CIO. The report shall include a status of improvements and efficiencies implemented following the baseline activity, variations from the CMDB and physical inventory, unauthorized configuration items detected, and status of software licenses.

Deliverables			
Deliverable	Initial Delivery	Frequency	
Configuration Management Process	30 DAC	Annual Review	
Inventory and MDA Configuration Baseline	End of CY1	Once	
Annual Configuration Audit	End of CY2	Annually	
Deliverables (concluded)			
Deliverable	Initial Delivery	Frequency	
IT Asset and Configuration Management process	30 DAC	Annual Revision	
Baseline Inventory of all IT systems, services, agreements, applications, and accompanying artifacts	End of CY1	Annually	
CPWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
(b)(4)			

#### 10.4.4 Evaluation, Validation, and Testing

The contractor shall evaluate IT systems and services for integration, interoperability, compatibility, security, and functionality. The contractor shall evaluate proposed additions, upgrades, patches, and changes to the operational IT environments. Test and evaluation shall be

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conducted in accordance with NIST SP 800-23, *Guidelines to Federal Organizations on Security Assurance and Acquisition/Use of Tested/Evaluated Products*, SP 800-84, *Guide to Test, Training, and Exercise Programs for IT Plans and Capabilities*, SP 800-115, *Technical Guide to Information Security Testing and Assessment*, and applicable DoD and MDA guidelines and best practices. The contractor shall utilize MDA's as-is Integrated Test Lab (ITL) environment for test, development, and staging. The contractor shall review the listing of previously completed tests/configurations, the MDA-approved software list, and Service Catalog to determine if testing has been previously conducted for the specified product or service in order to avoid duplication of effort. The contractor shall also coordinate with the MDA AO to determine if the system/service has previously been approved for operation on the MDA networks. If prior test results exist, the contractor shall obtain and analyze the previous results for completeness and applicability to the MDA production environments. After evaluation, the contractor shall provide a documented recommendation to the Government on whether to accept prior test results or conduct additional testing. The decision to accept prior test results will be made by the designated Government authority.

The contractor shall ensure products, systems, release packages, and services under evaluation integrate with the MDA operational environments. Product configurations provided by the vendor or other supporting organizations shall be assessed by the contractor to ensure compatibility with MDA requirements. The contractor shall provide an assessment of the vendor-proposed system configuration and engineering designs. If no proposed configuration is provided, the contractor shall recommend proposed configurations and architectures, to include the recommended operating system and application configuration to ensure compatibility with MDA requirements. The contractor shall collaborate with the MDA CIO and the MDA customers and stakeholders during tests and assessments to achieve a final secure and functional configuration of the product under evaluation. The contractor shall document proposed configurations and provide implementation plans/documentation to ensure configurations are maintained during release deployment.

When a commercial or Government software application or package does not perform as required during test/evaluation, the contractor shall contact the appropriate commercial vendor or Government POC for the failed software product to resolve the problem. The contractor shall also prepare and deliver to the Government a software incident report after identification. Software test incident reports shall be in the format specified by the Government, but shall include the start date and completion date of the troubleshooting session, a log of the troubleshooting actions, identification of the software causing the problem, and an explanation of the probable cause for the error. Final software test incident reports shall be submitted to the Government when the issue is resolved, or after the contractor certifies the problem cannot be resolved. The contractor shall provide test analysis reports to include, but not limited to compatibility with existing DoD or MDA systems, identification of limitations (security, functionality, utility), and a determination of components necessary to meet user requirements. The contractor shall prepare briefings on test results upon request by the Government. The contractor shall maintain a master listing of all tests and evaluations that are completed. The master listing shall include sufficient details to identify the test and results, such as the system, date tested, summary of test results, and recommendation made.

Deliverables		
Deliverable	Initial Delivery	Frequency

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Software Test Incident Report	As Required	As Required
Test Analysis Report	As Required	As Required
Master List of Tests	As Required	As Required

CPWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
(b)(4)			

#### 10.4.5 Release and Deployment Management

The contractor shall deliver a Release and Deployment Management (RDM) process, based on ITIL and contractor best practices, that provides a standardized method for protecting the integrity of the MDA production environment. The contractor shall develop, implement, update, and monitor RDM processes for implementing approved changes to defined IT services. The contractor shall ensure that stakeholders are aware of and agree with planned deployments, and provide traceability as services are transitioned into production. The contractor shall work in tandem with change and configuration management personnel to plan, schedule, and control the movement of releases to test and production environments. The contractor shall create and manage the library of RDM models and document them in Remedy. The contractor shall coordinate creation of RDM Plans, and schedule releases with MDA CIO customers and stakeholders to deliver new/changed functionality required while protecting the integrity of existing services. The contractor shall assign authorized changes to release packages, define the scope, build requirements, deployment methodology, testing criteria, schedule, transition to operation criteria, back out procedures, and content of releases. All of these shall be documented in Remedy.

The contractor shall use a standardized and controlled product release cycle to minimize and mitigate risk to production environments. The contractor shall plan the change deployment (e.g., software code, configuration, version); receive and evaluate testing documents/results; perform an internal security assessment as part of the A&A; obtain release authorization; and build, configure, and test the release package. The contractor shall perform final preparation for deployment to environments, distribute and install, validate successful deployment, and obtain stakeholder functionality validation and sign-off. The contractor shall publish release notes, coordinate and communicate with end user support staff, and perform final updates to the CMDB and configuration documents.

The contractor shall identify a single person to serve as its ITSM RDM Manager, who shall be responsible for coordinating and executing the contractor's RDM process. The contractor shall ensure that MDA CIO customers and stakeholders are aware of, and agree with, the deployment. The contractor shall verify that assets and service components in a release package are compatible with each other. The contractor shall validate that the integrity of a release package and its components is maintained throughout the service transition process. Release and deployment packages shall be tracked, installed, tested, verified, and, if appropriate, uninstalled or rolled back. Deviations, risks, and issues related to the new or changed service shall be identified, tracked, and remediated. The contractor shall ensure that the appropriate knowledge base articles are documented and transferred to users to ensure efficient and effective use of the service. Knowledge base articles shall also be used to ensure the appropriate skills and

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knowledge are transferred to operations and support personnel, enabling them to effectively deliver, support, and maintain the service.

Deliverables		
Deliverable	Initial Delivery	Frequency
RDM Process	30 DAC	Annual Review
RDM Model Library	End of CY1	As Required
RDM Plan and Release Package	As Required	As Required

CPWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
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CPWS Performance Measurement (concluded)			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
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#### 10.4.6 Knowledge Management

The contractor shall deliver a Knowledge Management process and be accountable for the MDA CIO body of knowledge. The contractor shall ensure that every member of its ITSM Department gathers, analyzes, stores, and shares knowledge and information. The contractor's SDLs shall have ownership responsibility for the collective knowledge base for their assigned service area. The contractor's SDLs shall work with the contractor's Operations Group to ensure that knowledge base articles are created for any outstanding issues and that content is consistent and easy to understand. The contractor shall ensure content is reviewed by the appropriate Subject Matter Expert prior to release. The contractor shall integrate its knowledge management practices into the established MDA Knowledge Management Database (KMDB) within Remedy.

The contractor shall develop a common template for knowledge articles, including action-based titles, definition of terms, and search phrases to ease discovery. The contractor shall maintain and update Remedy to provide the ability for users to access self-service information and knowledge base articles while ensuring that its team is highly proficient in the use of all the knowledge-based tools currently in place. The knowledge base shall be integrated with the call logging/incident management system in a format that can be easily shared. The contractor shall

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review and maintain the existing knowledge base articles to ensure current and accurate information, while identifying ways to categorize them, streamline the search process, and make the results more audience appropriate with simple-to-follow instructions. The contractor shall perform Knowledge Management process reviews annually or at the direction of the MDA CIO and recommend CSI initiatives/opportunities for consideration to the CSI Manager. The contractor shall provide mechanisms for users to report satisfaction with the current capabilities, as well as request additional information or services be added. The contractor shall maintain and update Remedy while working to identify alternatives that may provide additional functionality or efficiencies.

Deliverables			
Deliverable	Initial Delivery	Frequency	
Knowledge Management Process	30 DAC	Annual Review	
Knowledge Base Articles	As Required	As Required	
Knowledge Article Template	30 DAC	As Required	
CPWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
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## 10.5 Operations

The contractor's Operations Group shall have overall responsibility for MDA IM/IT service operations including providing a 24x7x365 Global Network Operations and Security Center (GNOSC), with a special emphasis on supporting Flight Tests, Grounds Tests, and Exercises. Responsibilities include: (1) Detection, alerting, and response capabilities to mitigate threats to the MDA Network and the DODIN. (2) Warning intelligence information through reporting or posting on secure channels. (3) Overall MDA Enterprise wide long-term monitoring and trend analysis to protection of the MDA Network and the DODIN. (4) Monitoring and analysis of vulnerabilities and adversary threat to the MDA Networks and the DODIN. (5) Downward direction from the CSSP to the LCCs. (6) Report to USCYBERCOM. The contractor shall ensure that MDA services are aligned and available across the entire MIE. The contractor's ITSM Department Director shall be accountable to the MDA CIO for understanding operational imperatives, initiatives, and directives that must be accomplished for mission success. The contractor's Operations Group Manager shall be responsible for the effective execution of service operations across the MIE. The contractor's Operations Team Leads shall be responsible for operations within their specific operational area (e.g., Network Operations, Data Center Operations). The contractor shall utilize the Responsible, Accountable, Consulted, Informed (RACI) communication model to communicate responsibilities across Operations Teams. The scope of this CPWS element includes deployment of operations processes, cybersecurity operations, data center operations, customer support services, network operations, application administration, and telephony services.

### 10.5.1 Service Operations Process

The contractor shall perform Operations for the services and functional areas and capabilities specified in CPWS Sections 10.10.2– 10.10.7 in accordance with the contractor's Service

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Operations processes. The contractor shall be responsible for ensuring services are delivered using common operational processes. The processes shall be used to restore service interruptions, fulfill user requests, resolve service failures, troubleshoot and fix problems, as well as to carry out daily operational and maintenance tasks.

#### 10.5.1.1 Event Management

The contractor shall deliver an Event Management process, based on ITIL and contractor best practices, that provides a standardized method for responding to and addressing events. The contractor's Event Management process shall include the detection of changes in configuration items, the CSI of event notification and automation, controlled transition into incident and/or problem management actions, standards, event reporting, and documentation. The contractor shall leverage Remedy to automate this process by ingesting and parsing monitored events through inbound email and auto generate pre-formatted incident tickets based on established criteria and thresholds, including destination, summary, impact, and categorizations. The contractor shall use established SLAs, OLAs, or other requirements documents, and coordinate the identification, establishment, and updates of event thresholds with each responsible Operations Team to ensure key event indicators are configured for automatic notification within the prescribed times and procedures. (b)(4)

(b)(4)

Deliverables			
Deliverable	Initial Delivery	Frequency	
(b)(4)			

CPWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
(b)(4)			

#### 10.5.1.2 Incident Management

The contractor shall deliver an Incident Management process, based on ITIL and contractor best practices, that provides a standardized method for timely reporting and escalation of all incidents

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that affect MDA IM/IT services. The contractor shall provide an ITSM Incident Manager to be accountable for the full life cycle management of MIE incidents. The contractor shall provide tracking, customizable reporting, knowledge base development, and access for both Enterprise Service Desk personnel and customer searches for status updates and common incident resolution. The contractor shall provide incident reports to the MDA CIO and ITSM Department personnel to support capacity management, service level management, cybersecurity, availability/capacity management, configuration management, change management, and problem management processes. The contractor shall provide a weekly Incident Management report to include, but not be limited to, the number of incidents and status of all open incidents. The contractor shall prepare knowledge base articles for inclusion in the KMDB. Knowledge base articles shall cover all aspects of Enterprise Service Desk operations to be used by operations personnel as well as users (e.g., Tier 0 self-help).

The contractor's Enterprise Service Desk shall act as the primary interface for Incident Management. Incidents submitted during off-hours shall be routed through the contractor's Network Operations Team for immediate resolution or logged in Remedy for Enterprise Service Desk resolution. The contractor's Enterprise Service Desk operators shall follow well-defined and tested incident reporting, recording, categorizing, and prioritizing steps to ensure that all pertinent information is acquired to conduct initial analysis of the incident and implement approved Enterprise Service Desk operations to restore service. In accordance with an established SLA, the contractor shall document the incident with the user via telephone, e-mail, web chat, or other communication options and perform primary investigation. The contractor shall achieve a first-contact resolution rate of 80% using service desk personnel expertise, knowledge base article, CMDB, and other reliable, controlled, available, and maintained resources. Greater than 60% of incidents shall be identified and submitted via automated monitoring. When necessary to perform more tactical, hands-on support, the contractor shall use Remote Desktop and other similar toolsets and techniques to directly identify and resolve the issue affecting the user. The contractor's Enterprise Service Desk personnel shall use both service management and configuration end-point management to simplify the support. If the contractor's Enterprise Service Desk operators are unable to restore service within the timeframe specified in the SLA/OLA, the incident shall be automatically escalated, using Remedy workflow times, to Tier 2 or 3 personnel. Once the service is restored, the contractor's Enterprise Service Desk operator shall notify the specific end user and ask for verification and then close the incident ticket. The contractor's Incident Management process shall specify the incident management data collection process needed to ensure accurate reporting and sufficient data for CSI purposes.

The contractor shall provide a Monthly Incident Report to include, but not limited to, first contact resolution rate, size of incident backlog, average age of tickets, average time to escalate, number of incidents resolved remotely, mean time to resolve, average end user/customer survey satisfaction, percentage of incidents handled within/outside of agreed response times, and number and percentage of incidents related to change and release.

Deliverables		
Deliverable	Initial Delivery	Frequency
Incident Management Process	30 DAC	Annual Review
Weekly Incident Management Report	5 DAC	Weekly
Monthly Incident Report	30 DAC	Monthly

CPWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
(b)(4)			

### 10.5.1.3 Problem Management

When the contractor's Incident Management process cannot resolve an issue, the contractor shall escalate the issue to its End User Services Team (Tier 2/3). The contractor shall deliver a Problem Management process, based on ITIL and contractor best practices, that provides a standardized method to analyze, diagnose, and permanently resolve the underlying root cause of an issue and minimizes the impact of incidents on the MIE. The contractor shall integrate and tailor its ISO/IEC 20000-certified Problem Management process to MDA IM/IT services and achieve problem resolution for individual and reoccurring problems. The contractor shall identify a single person to serve as its ITSM Problem Management Process Manager. The contractor's Problem Management Process Manager shall communicate, coordinate, and execute the Problem Management activities with Incident Management process stakeholders to ensure satisfactory issue workarounds, enduring solutions, and subsequent closure and problem auditing activities.

(b)(4)

(b)(4) The contractor shall categorize and prioritize the work effort using criteria provided by the MDA CIO through shared accountability and responsibility for performance with the contractor's Incident Manager. The contractor's Problem Management Process Manager, technical stakeholders (e.g., Tier 2 system or database administrators) and SME stakeholders (e.g., Tier 3 system or application developers) shall work as a team to discover the root cause of the problem. If a short-term solution is identified, the contractor shall document it in the Known Error Database to allow possible use of the service in the interim. The contractor shall then construct the response plan, initiate a change, gain authorization to execute the change, and return the service to full fit for purpose and warranty.

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The contractor shall ensure that changes to documentation for resultant process changes are accomplished within three business days. Known Error Database records shall be reviewed and any necessary updates completed within one day of problem closure. All associated problem documentation, including the originating event or incident ticket, Known Error Database, and KMDB shall be reviewed and updated to ensure accuracy and details of the results incorporated into the contractor's Problem Management process. The contractor shall maintain process documentation, problem reporting metrics and data, and produce Problem Reports to support other Service Design, Transition, and Operation processes. The contractor shall ensure frequent and transparent communications to all affected stakeholders of outstanding problems using its RACI Communication Plan, daily partnership with the MDA CIO, and the application of CSI methodology to support an increasingly efficient and effective Problem Management support service. The contractor shall utilize trend analysis methods and other means to produce a monthly Problem Report. The report shall contain at a minimum: outstanding problems, resolution times, problems effecting quality of services, and problem trends, and recommended workarounds/resolutions to reduce the number and impact of incidents over time.

Deliverables		
Deliverable	Initial Delivery	Frequency
Problem Management Process	30 DAC	Annual Review
Problem Report	30 DAC	Monthly

CPWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
(b)(4)			

#### 10.5.1.4 Request Fulfillment

The contractor's Request Fulfillment process shall enable customers to request and be granted standard services from the Service Catalog based upon predefined MDA CIO RBA roles, policies, and thresholds. The process shall be fully documented and maintained through configuration control. The contractor shall perform tracking, reporting, KMDB input, and access for both its Operations Teams and customer searches for status updates. The contractor shall maintain, build, implement, and evolve request fulfillment models and workflows to ensure efficient and effective review of requests with the relevant service providers and other

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stakeholders. The contractor shall leverage these workflows and other Remedy functionality to allow customers to submit standard service requests that will be automatically prioritized, categorized, and assigned based on the service request type and customer responses. The contractor's personnel shall manage, categorize, and route any request that is not submitted as a pre-authored standard service request. The contractor shall ensure accurate logging, categorization, prioritization, routing, functional escalation, and data integrity of all applicable service requests. The contractor shall provide a weekly service request report to include request number and status of all open service requests. The contractor shall highlight service request resolution times, which fall outside of agreed upon service levels. The contractor shall conduct CSI on Request Fulfillment processes within operations to include the addition of standardized workflows supporting newly identified work efforts. The contractor shall provide a monthly Request Fulfillment Report that contains time for handling each type of service request, percentage of requests fulfilled within SLA targets, number of service requests resolved through automation, customer satisfaction, backlog of outstanding services, and age of open service requests.

The contractor shall provide the ability for customers to request IT that is outside what IC provides as a standard service. This is primarily a procurement activity that is transitioned to the 2-Ltr for operations, maintenance, and accountability purposes, but sometimes is supported under IT Services (ex: additional licensing for a service supported by IC). This process shall be managed by the SLM who works with Material Planners to establish cost and provides the request and cost to the government to work funding and approval for contractor to procure. All procurements over \$10,000 shall obtain written approval from the designated Government Official.

Deliverables		
Deliverable	Initial Delivery	Frequency
Request Fulfillment Process	30 DAC	Annual Review
Weekly Service Request Report	5 DAC	Weekly
Monthly Request Fulfillment Report	30 DAC	Monthly
CDRL C006: Customer IT Report	Per CDRL	Monthly

CPWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
(b) (4)			

(b)(4)

### 10.5.2 Cybersecurity Operations

Each day, the contractor's workforce shall address the operational controls required for personnel security, contingency planning, configuration management, malicious code protection, intrusion detection tools and techniques, security alerts and advisories, validation activities, media protection, incident detection and response, training, auditing of activities performed on the systems, and RBA management.

The contractor shall maintain MDAs Computer Network Defense Service Provider (CNDSP) certification in accordance with DoDD O-8530.1-M to Protect, Monitor, Analyze, Detect, and Respond to cyber incidents. To accomplish this, the contractor shall pass the triennial formal evaluation. In advance of the evaluation, the contractor shall complete and prepare for submission the Evaluator Scoring Metrics (ESM) v9.2 (or the then-current version) self-evaluation forms and a compilation of all artifacts that would support achieving the Maturity Level that MDA desires to achieve for each service area. Cybersecurity activities shall be performed at the Tier 2 and Tier 3 level separately to maintain separation of duties and responsibilities of the two entities.

Once a system has been accredited, the contractor shall provide constant monitoring of systems in the CNDSP role. In this role, the contractor shall use tools, such as ACAS and HBSS, to monitor the ongoing health and hygiene of the systems. Additionally, the contractor shall use its SAFER tool to scan systems for evidence of penetration and malicious activity. Information gathered by the CNDSP personnel shall be passed to the responsible ISSE for resolution and added to future risk assessments. As part of the contractor's JCSA approach, the contractor shall employ its ISSEVEE or other virtual sandbox available to ensure the contractor's cybersecurity professionals stay current with security policy, technology, and training. The contractor shall work with MDA to evaluate and deploy configuration management tools that directly monitor key configuration settings for any type of modification that reflects malware or unauthorized access.

The contractor shall provide dedicated, on-site support 24 hours per day, 7 days per week to operate the MDA Cyber Security Service Provider (CSSP) Team. The MDA Tier 2 CSSP serves as the authority on MDA-wide recommendations for threat mitigation and vulnerability remediation in accordance with the contractor's RMF process. The contractor shall operate the MDA Tier 2 CERT in accordance with CNDSP requirements in CJCSI 6510.01F, DoDD O-8530.1-M, and other relevant DoD Cybersecurity directives on all supported networks to include SAP. The contractor's Tier 2 personnel shall maintain Computer Network Defense – Incident Response (CND-IR) certifications and meet appropriate 8570 requirements. The contractor shall deliver an integrated cyber analysis capability and ensure close coordination

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between the contractor's Tier 2 support and ISSEs. The contractor shall provide onsite support for MDA Tier 3 enclaves aligned with GNOSC requirements. Tier 3 support for all supported networks to include SAP will be provided during core business hours. The contractor shall provide cyber defense analysis services to include cyber incident response and mitigation, cyber intelligence and data fusion, cyber forensics, reverse malware engineering support, and cyber exercise support. The contractor shall analyze incidents to produce coherent and actionable information in support of time-critical operational decisions. The contractor shall prevent malware in applications through multiple layers of defenses that utilize a combination of methods, including: (1) a blacklist methodology (e.g., typical malware detection engines, policies that block known bad); (2) a whitelist methodology (e.g., application whitelisting, policies that permit by exception); and (3) an analytic capability to identify anomalous application behavior (e.g., application errors/crashes, unusual network behaviors such as callbacks, application error/audit log generation outside normal bounds). The contractor shall incorporate controlled environment analysis (Behavioral), code analysis and forensics analysis (Static), and correlation of internal events and external effects (Dynamic) to identify, characterize, and understand the effects and methods of software operations known or suspected to be malicious.

The contractor shall deliver a Cyber Incident Handling process that employs the tenets of NIST Special Publication 800-61: Computer Security Incident Handling Guide. Once an intrusion is identified, the contractor shall take all reasonable and appropriate steps to preserve any and all evidence, information, data, logs, electronic files, and similar type information related to the intrusion for subsequent forensic analysis so that an accurate and complete damage assessment can be accomplished. All cybersecurity incidents and IT security-related issues shall be immediately reported via the MDA-approved escalation process to include notification to the MDA CIO and affected stakeholders. The incident report shall be provided to the MDA CIO within 24 hours. The contractor shall work with the CIO to perform a preliminary analysis to determine the extent of the event and whether a detected incident is a reportable event, prevent further damage, maintain control of the system(s) affected and the surrounding environment, and update the incident report. Once the analysis is complete, the contractor shall assist in developing a response and recovery plan to resolve the incident according to policy, procedures, and quality requirements to minimize risk. After measures are implemented to correct the incident, the contractor shall perform a Post Implementation Review (PIR) to evaluate effectiveness of corrective actions, document lessons learned, and brief the MDA leadership to include a pre-brief for the CIO. A resultant detailed incident report shall be provided to document all activities and results for the incident, including root cause analysis and corrective actions taken and POA&M.

As part of the effort to maintain the confidentiality and integrity of data throughout the MIE, the contractor shall monitor and maintain RBA for services and systems. The contractor shall work with the MDA CIO to determine RBA roles that need to be established or modified in order to

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ensure confidentiality of information and reduce the potential impact caused by insider threats. The RBA roles and associated access shall be determined through the contractor's change management process. All MDA CIO customers and stakeholders shall be involved in role requirement development and changes, and RBA role assignments shall be approved prior to assignment to a user. The user's credentials and clearance shall be compared to RBA requirements prior to approval.

The contractor shall support CSSP requirements by forwarding all applicable cyber taskings from higher DoD cyber security activities to the MDA Tier 3 support activities and track compliance with those taskings.

Deliverables			
Deliverable	Initial Delivery	Frequency	
CDRL C01 4: Cyber Incident Handling Process	PerCDRL	PerCDRL	
Cyber Incident Report	Within 24 hours of Intrusion	As Required	

CPWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
(b)(4)			

### 10.5.3 Data Center Operations

The contractor shall operate, maintain, and defend the server infrastructure in accordance with CDRL C018: Operational Support Documents: Data Management Plan, MDA policies and procedures, and SLAs. The contractor shall provide support 24x7x365 in alignment with the GNOSC. The contractor shall coordinate, document, and execute any changes, upgrades, or installs authorized by the MDA CIO in accordance with its tailored ITSM approach. The contractor shall proactively manage and monitor the operation of physical and virtual servers to ensure their proper operation and troubleshoot, analyze, isolate, and document the root cause of issues when they arise. The contractor shall recommend courses of action for returning affected systems to full, operational status within timelines specified by the MDA CIO.

The contractor shall administer and perform SAN, NAS, and Direct Attached Storage (DAS) management. The contractor shall resolve storage shortages, resolve any performance issues and notify end users, ensure that data is available to all applications, provide storage application support, perform storage backup tasks, monitor the storage environments, perform capacity planning, evaluate storage technologies, and deploy storage/host configurations to provide physical storage to MDA servers. The contractor shall monitor servers using MDA-approved

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monitoring software to facilitate proactive response to hardware failure, misconfiguration, lack of capacity, over subscription, excessive latency, service degradation, and outages.

The contractor shall extend its event, change, and configuration management processes to the storage environment to maximize availability of data to the services in the MDA Service Catalog. The contractor shall also use its Change Management process to minimize risk and restoration timeline for data outages. The contractor shall follow its Configuration Management process for all data center configuration changes of any magnitude. Personnel tasked to make a configuration change shall submit a change request describing the proposed change, the rationale for the change, what effects that change may have on other machines in the data center, what effects the change will have on end users, possible complications of incorporating the change, and a detailed back-out plan to restore the system to its previous configuration should a problem arise due to the configuration change. All configuration management documentation and documentation associated with the configuration of the systems shall be maintained in the CMDB for historical tracking and CM data reporting.

The contractor shall provide disaster recovery services for data stored in both the physical and virtual storage capacity. The contractor shall coordinate with the MDA CIO to establish an agreed-upon disaster recovery plan, including specific roles and responsibilities for data center personnel and the MDA CIO. The agreed-upon disaster recovery plan shall include the semi-annual review/exercise to validate key planning assumptions and designated activities. The contractor shall provide support for the disaster recovery requirements by: (1) maintaining all hardware and software required for failover/recovery between the MDIOC and Huntsville Data Center, (2) Capturing backup images of the vital information stored within the data centers; and (3) responding to both COOP events and exercises within the required time frames.

Deliverables			
Deliverable	Initial Delivery	Frequency	
None	N/A	N/A	

CPWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
(b)(4)			

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#### **10.5.4 Customer Support Services**

The contractor shall plan, organize, staff, and execute tasks and activities to meet specific MDA CIO and MDA CIO customer and stakeholder requirements and established performance metrics, as well as report the status/outcomes of the contractor's customer support services across the IT enterprise. The contractor shall provide Enterprise Service Desk operations, COMSEC account management, end user support services, enterprise-wide print services, conference room A/V maintenance, conference room and event support, and employee moves.

##### **10.5.4.1 Enterprise Service Desk Operations**

The contractor shall deliver consistently relevant and responsive support in Enterprise Service Desk management and operations in support of approximately 23,000 end users distributed across MDA network domains. The Enterprise Service Desk shall provide first contact resolution for a minimum of 80% of incidents and service requests. The contractor shall staff the Enterprise Service Desk to provide customer service for all users worldwide, 24x7x365 in alignment with the GNOSC. The contractor's Enterprise Service Desk shall enable MDA end users to report service-related issues, request MDA IT services, and get assistance with questions regarding IT services. The contractor's Enterprise Service Desk shall provide services in accordance with the contractor's tailored ITSM approach. The contractor shall ensure disciplined application of six core ITIL processes: Event Management, Incident Management, Problem Management, Change Management, Release and Deployment Management, and Configuration Management. All requests shall be entered into the MDA-approved incident management system, responded to within one hour, and tracked from initial customer contact through resolution. Initial contact for MDA Executive requests shall be provided within 30 minutes of receipt.

The contractor shall provide end user support inclusive of ticket management, telephone support, request fulfillment orchestration, business (functional) user first contact support, initial event and system incident response, account management and access request processes, and training-related issues. The contractor shall utilize Remedy's ITSM Suite as its primary tool for delivering the specified services. The contractor shall use the Remedy solution to collect, manage, control, analyze, and report on service desk operations, ensuring both continued performance and visibility into operations. The contractor shall provide controlled, reliable, and secure administration of Public Key Infrastructure (PKI), Token, and other trusted, physical and logical access mechanisms in accordance with the contractor's RBA plan.

The contractor's Enterprise Service Desk Lead shall interface, track, analyze, document, and report upon the status of the IT enterprise to ensure full awareness and notification to the MDA CIO and affected stakeholders. The contractor shall develop standardized process flow templates and conversational scripts for our Enterprise Service Desk staff to follow to ensure that consistent information is delivered to the customer. The contractor shall use these process flows to attempt first call resolution for all calls received, and if unable to resolve the issue, escalate to the appropriate end user services expertise while continuing to monitor the status of the incident against corresponding SLAs. Throughout the process, the contractor's Enterprise Service Desk shall be responsible and accountable to ensure the MDA end user is informed on the status of their request and verify resolution and closure with the end user once a ticket is completed.

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The contractor shall create, operate, and maintain a Tier 0 (self-help) capability, utilizing the Government-provided Remedy suite. The Tier 0 capability shall include, but not be limited to, answers to frequently asked questions, and the ability to request services, open incidents, and check status of requests and incident. As a function of the contractor's CSI process, the contractor shall monitor service desk logs/data on a routine basis and analyze trends related to the percentage of incidents resolved using Tier 0 methods to determine if additional knowledge base articles are required.

The contractor shall optimize service desk processes and provide ITIL Foundations training to all service desk staff within the first two years of the EITS TO period of performance. When new personnel are hired, the contractor shall provide an orientation and functional evaluation to ensure fundamental understanding of processes and MDA end user requirements. The contractor's Enterprise Service Desk Lead shall collaborate with its Service Engineering Group to develop and provide regular internal training to the contractor's Enterprise Service Desk staff regarding MDA services that they support. As new systems or services come online, the contractor shall gather the information necessary to provide customer support using a checklist that assesses requests for services, such as escalation points of contact, troubleshooting steps, frequently asked questions, knowledge base articles, and end user socialization. The responses shall be incorporated into the contractor's training sessions for new employees, as well as the refresher classes for existing staff.

The contractor shall provide its Enterprise Service Desk personnel with frequent, ongoing updates in technical activities as part of architecture maintenance and upgrades. Enterprise Service Desk personnel shall interface with the contractor's technical SMEs to stay abreast of common solutions to incidents and problems. The contractor shall engage its Enterprise Service Desk personnel in service transition activities to improve their ability to support new IT services when deployed into production.

Deliverables		
Deliverable	Initial Delivery	Frequency
None	N/A	N/A

CPWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
(b)(4)			

#### 10.5.4.2 End User Services

Events or incidents that cannot be resolved within the first call and require a more in-depth level of technical support shall be escalated to the contractor's Tier 2 Team. The contractor's Tier 2 Team shall be responsible for investigating escalated issues by first confirming the validity of the incident or request and then identifying solutions for the problem. The contractor shall provide its Enterprise Service Desk with forms that prompt them for information the Tier 2 Team member will need to begin working on an issue. Upon receiving the escalated request, the contractor's Tier 2 Team shall first engage with the end user to assess the situation. They shall remain the end user's POC and provide regular updates until the request is resolved. Issues that cannot be solved at Tier 2 shall be categorized as a problem, per the contractor's Incident Management process, and escalated to the contractor's Tier 3 Team. The contractor's Tier 3 Team shall be responsible for addressing the most difficult and advanced problems per the contractor's Problem Management process. Additionally, the contractor shall provide support to remote MDA locations via remote desktop or physical interaction at the site.

The contractor's Tier 2 Team shall consist of IT personnel with previous service desk experience; understanding of MDA hardware/software, network, or database capabilities; and demonstrated customer service excellence. The contractor's Tier 2 personnel shall provide initial installation, hardware/software maintenance, troubleshooting, configuration control, application of security patches and critical updates, and ongoing system performance monitoring and tuning.

The contractor's Tier 3 Team shall include data center, network, and application SMEs and shall provide solutions for more complex tasks in support of our problem management process. The contractor's Tier 3 personnel shall provide registry fixes, development of scripts to address specific customer issues, migration of user data between application versions, oversight of migrations to minimize downtime and errors, and testing and evaluation of application modifications. Additionally, the contractor's Tier 3 Team shall maintain relationships with hardware/software vendors to maintain access to additional troubleshooting support and awareness of known issues.

In addition to Tier 2 and 3 support, the contractor's End User Services Team shall provide enterprise print services, Communication Security (COMSEC) account management, conference room audio/visual maintenance, conference/event support, and equipment moves and relocation support.

- *Enterprise Print Services* – The contractor shall establish and maintain print server consistency and integrity through hardware and software configuration, maintenance, and deployment throughout the print server life cycle. In accordance with the contractor's Configuration Management process, the contractor shall track print hardware and software resources within the network and manage how they are assigned, controlled, and maintained. During CY1, the contractor shall review MDA-wide print, scan, and fax requirements to baseline the current architecture and understand end user requirements. The contractor shall review system defect logs, performance reports, and trouble tickets to identify trends and develop risk mitigation strategies for system functionality and performance. The contractor shall continuously monitor and provide on-site support for installation, integration, and maintenance of shared printing devices; configure and manage shared printing

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devices; and provide incident/problem resolution for referred trouble tickets from the contractor's Enterprise Service Desk. Additionally, the contractor's End User Services Team shall follow the appropriate SOPs to repair or replace print capabilities and coordinate with third-party vendors for server support.

- *COMSEC Account Management* – The contractor shall act as the COMSEC system-controlling authority and select appropriately cleared and trained personnel to receive, store, document, and issue encryption materials and keys; make changes to COMSEC publications promptly; administer COMSEC briefings to properly cleared personnel with a valid need to know; perform destruction of data; complete necessary documentation; maintain equipment; perform inventory; and be accountable for hardware. The contractor shall ensure COMSEC support is provided by certified cryptographic personnel.
- *Conference Room Audio/Visual Maintenance* – The Audio/Video (A/V) Operations and Maintenance (O&M) team ensures day-to-day technical management for assets located within the GFI RACIMatrix for A/V Control Systems, A/V devices and transport (fiber or copper) technology. The A/V O&M team manages audiovisual break/fix actions, Return Material Authorization (RMA) tracking, preventive maintenance, warranty verification, scheduled event support, flight test support, equipment loan and setup, and other end-user business related needs. Support includes requirements to add, change, or integrate new capabilities for conference rooms or office areas. A/V O&M provides A/V operations procedures and sustainment recommendations for MDA Presentation Center, Operation Centers, training rooms, senior executive offices, video walls, signage systems, executive conference rooms, and standard conference rooms, including meeting and event support, video switching maintenance, audio mixer maintenance, teleconferencing bridges, interoperability and coordination with other associated VTC contractor(s) as required. We will coordinate A/V sustainment for mission events in the MDA Presentation Center, executive briefing centers and conference rooms when requested. A/V O&M provides mission viewing plans and mission-viewing matrix, prior to change implementation and provides Daily Status Report during mission support days. The A/V O&M team maintains the optimum condition of the hardware and software that comprises the technical infrastructure. As part of the closeout process, the contractor shall provide customers with records of the implementation, including purchasing information, hardware specifications, vendor-specific material, warranty information, wiring and installation diagrams, programming configurations, and intuitive instructions. The contractor shall continue to support the customer and conference room with any updates, needs, or issues throughout the life cycle of the equipment. The contractor shall provide, manage, and keep current knowledge base articles as applicable via the KMDB.
- 10.5.4.2.1 (PPWP PPWP is to continue service for 1 year starting 1 Nov 2018 if needed.)
- *Conference/Event Support* – The contractor shall provide conference and event support and capture customer feedback following the conference or event. Requests for conference or event support shall originate with the contractor's

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Enterprise Service Desk and be routed to the contractor's End User Services Team for planning, coordination, and execution. Prior to completing support activities, the contractor shall verify support activities have been completed in accordance with requirements, provide easy-to-understand instructions for operation of any A/V equipment, and identify an on-call POC for questions or troubleshooting requests.

- *Equipment Moves/Relocation Support* – Requests for equipment moves shall be coordinated through Remedy and routed by the contractor's Enterprise Service Desk to its End User Services Team. The contractor's Enterprise Service Desk shall coordinate with the contractor's Asset Management Department Integrated Work Control Center to ensure coordination of furniture and other office material relocations. The contractor shall verify moves are scheduled with no impact to CTTO. The contractor shall use flexible work shifts for major equipment moves to minimize disruptions to ongoing operations.

Deliverables			
Deliverable	Initial Delivery	Frequency	
Baseline of Print Services Architecture	End of CYI	Once	
CPWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
(b)(4)			

#### 10.5.4.3 Dedicated On-Site Support

Geographical support requirements exist where remote services are inadequate or do not meet current customer expectations, and dedicated on-site user support services are provided. To meet this heightened responsiveness performance requirements, Jacobs shall provide two dedicated

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resources at each of four major sites (PMRF, KAFB, VAFB, FGA), and one engineer at NSF Slupsk. The support provided to meet these requirements are standard implementations to allow for common capabilities for support. Jacobs shall monitor workload and trending data, and report at the end of each contract year to ensure the level of support is consistent with the demand and performance metrics requested. While these resources shall be made available to support other EITS tasking, the Jacobs shall ensure the highest priority is assigned to the identified customer. The primary duties of the on-site support teams includes executing our established ITIL to provide Executive Support Services, all Tier 2 and 3 functions including server and infrastructure management services, cable plant and property management, and satisfying all end user (2-Letter) immediate needs. The teams will provide support in installing, maintaining, and monitoring all network equipment on multiple level classification networks, and working with other EITS engineers and the Executive Support Services Team in HSV, COS, and the NCR, will troubleshoot and resolve incidents as they arise. If services are provided by the host base, the on-site team will coordinate break-fix actions with the base. On-Site teams provide support for missions and mission viewings in their areas as well as overflow support, and shall provide full-scope virtual teleconference facilitation, support, operation, troubleshooting, scheduling, and use. When identified, and acting under the direction of the MDA COMSEC Account Manager, the on-site teams shall perform Hand Receipt Holder duties as follows: Configure, control, ship and or receive Controlled Cryptographic Items (CCI). This will also include installing, keying, and rekeying CCI and performing maintenance activities such as replacing batteries, and supporting over-the-air rekeying and distribution (OTAR)/(OTAD). On-Site teams shall perform inventory, audits, KEYMAT handling, destruction, and Electronic Key Management System (EKMS) duties, and will act as COMSEC account managers liaison between site managers, network engineers, and users, following all guidance within the MDA ICTA COMSEC Plan and established Standard Operating Procedures (SOP). Support for COMSEC will be consistent at VAFB, KAFB, PMRF, and NSF Slupsk. One or more members of the on-site support teams shall travel as directed to support tests and other events at other CONUS and OCONUS locations.

Jacobs shall provide one full-time equivalent on-site support engineer at NSF Slupsk. United States Navy personnel, Army Corps of Engineers, and United States SEABEE personnel onsite at Redzikowo in addition to MDA\GD and AA personnel shall be supported. Virtual teleconference facilitation and support is required, as well as performing all COMSEC duties as hand-receipt holders supporting over-the-air rekeying (OTAR).

#### **10.5.4.4 Direct Support to Customer Labs**

Jacobs shall also provide dedicated engineering and technical support to customer-directed laboratories, facilities, or other specific requirements, where their needs are outside of established EITS provided catalog of services or agreed-to network or computational performance levels. Support details are provided in the following paragraphs.

##### **10.5.4.4.1 Modeling Simulation, Software, and Analysis (MSSA) Lab**

Jacobs shall provide two (2) active TS/SCI engineers with minimum Interim TS to perform cybersecurity compliance, operational sustainment, and other general IT tasks as required to ensure continuous performance. The MSSA Lab infrastructure is government owned and operated by Advanced Technologies (DV) Advanced Concepts and Performance Assessment

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(DVS). The computing infrastructure consists of isolated and standalone LANs at CLASSIFICATION levels up to TS/SCI/SAR. With the broad spectrum of expertise required in the MSSA environment, IRES personnel shall possess the ability to quickly adapt to new situations, a strong commitment to a team environment, a capacity to work with little supervision, and the willingness to learn new technologies.

The engineers shall specialize in the management and operations of Windows Active Directory-based domains, integrated with Windows and Linux systems. These IT specialists shall be directly matrixed to MDA/DVS, and shall be directed by MDA/DVS government personnel on a day-to-day basis. Primary duty hours shall be 0600 - 1900 (ET), with shift work and on-call provided to assist in after-hours maintenance activities. Specific duties include, but are not limited to, as follows:

Cybersecurity compliance:

- Execute daily battle-rhythm of checks on Windows and Linux environments which includes viewing and responding (as appropriate) to events reflected in the various management tools including RedHat Satellite Server, SolarWinds LEM, McAfee ePO/HBSS and ACAS.
- Complete system audit log reviews as well as continuous security monitoring using SolarWinds LEM, HBSS, SCAP tools and ACAS, as required.
- Configure and update HBSS, SCAP tools, ACAS, and other security controls as required.
- Proven capability to understand and configure system STIGs.
- Support system accreditation efforts required to maintain an ATO (Authorization to Operate).
- Experience configuring and administering Windows Server 2008R2 and 2012, Windows 10, Linux RHEL/Ubuntu, File/System Storage Administration, CommVault, and SCCM (System Center Configuration Manager)/WSUS Patch Management
- Develop, update, and maintain cybersecurity documentation and artifacts to maintain an ATO.
- Maintain DoD IAVM (Information System Vulnerability Management) compliance and management of new patches as released by Red Hat and other vendors.
- Install critical patches on systems IAW MDA rules and guidelines; escalating to government if an alternate timeline is necessary.
- Track and update anti-virus and malware software on all DVS systems
- All contractor personnel performing cybersecurity duties and responsibilities, to include system or network privileged users, shall meet the training, certification, and reporting requirements in accordance with current directives (DoDD 8140.01 and DOD 8570.01-M Change 4) for IAT Level II.

Operational Sustainment:

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- Experience supporting a large enterprise environment that has integrated Linux systems using Windows Active Directory System
- Administration of Windows and Linux operating systems connected to NAS and SAN devices for provisioning; including specialty arrays including EMC ISILON; accompanying troubleshooting skills a must.
- Operating experience with ISILON in a NAS role along and RHEL SAN in a SMABA/NFS role.
- Experience using scripting tools/languages such as BASH, PowerShell and Python in order to support automating tasks.
- Provide system engineering/architect work associated with various technical requirements such as networking, system evaluation, system security, and general knowledge of data flow within the network; utilize toolsets such as VISIO to document network configurations.
- Experience with Microsoft components to include 2008R2 and 2012R2 AD, GPO and DNS/DHCP as well as desktop support (customer facing) to include Windows 10 imaging and Linux (RedHat) kickstart.
- Experience with networking protocols and networking equipment particularly with Cisco products such as firewalls, switches and routers; Cisco 5K, 2K NEXUS switches, and Dell chassis/blade systems
- Maintain and build Red Hat and other Linux servers and workstations.
- Perform administrative operations and maintenance functions of server hardware and software
- Maintain virtual environments such as Microsoft Hyper-V utilizing both Windows and Linux/Unix in a guest role.
- Manage DVS storage to include break fix and life cycle management of SAN equipment to include all adds/moves/changes.
- Maintain DVS related switches and routers to ensure optimal connectivity and performance.
- Operational experience using Redhat Satellite Server to provision, configure, and patch Redhat operating systems.
- Troubleshoot any system errors or user issues associated with the MSSA lab and if required, request assistance from MDA/IC crews and/or vendor SMEs.

General IT Support:

- Execute daily reviews of systems to ensure normal maintenance functions are performing properly as well as execution of daily/weekly system health checks using protocols especially SNMP and WMI.
- Coordinate efforts with other work centers and personnel to resolve Incident Requests (break/fix), Change Requests (RFC), and Problem Management activities. Configuration management processes and tasking will be in accordance with MDA/DVS lab policies.

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- Provide IT support to MDA/DV Program Office and remote site operations as needed with issues ranging from Microsoft programs to interfacing with the ISD to resolve problems.
- Provide End User training as required.
- Jacobs SMEs will support DVS IT related meetings and, as needed, act as liaison between IP and ICT.
- Provide IT support for an HPC cluster and storage array located in 5201.

Travel:

- Travel will be required to support MSSA program execution. Anticipated travel to KAFB and other government-defined CONUS locations. For budgeting purposes, two (2) one-week trips per quarter are planned.

Materials:

- Jacobs shall provide IT and IA support, and hardware, software, network equipment, vendor support/maintenance/training and/or other tools required by the MSS A lab and as identified and funded by the Government. Jacobs shall transition all contractor-acquired infrastructure/materials during the execution of this task order to the Government upon receipt from the vendor. (For planning purposes, annual estimates are \$640K for Hardware, \$45K for Software, \$125K for Material purchases)

**10.5.4.4.2 EIR Declassification ISOLAN**

MDA's EIR Declassification ISOLAN is a government owned and operated information system used for declassification of MDA's classified media. The team supports the declassification or reclassification of data at various classification levels up to NATO secret Critical Nuclear Design Information (CNWDI). Jacobs shall provide one (1) technical FTE to support the following requirements:

Cybersecurity compliance:

- Develop, update, and maintain cybersecurity documentation and artifacts to maintain an ATO.
- Maintain DoD IAVM (Information System Vulnerability Management) compliance and management of new patches as released by Microsoft and other vendors.
- Download and install critical patches on systems IAW MDA rules and guidelines; escalating to government if an alternate timeline is necessary.
- All Jacobs personnel performing cybersecurity duties and responsibilities, to include system or network privileged users, shall meet the training, certification, and reporting requirements in accordance with DoDD 8140.01 and DOD 8570.01-M Change 4 for IAT Level II.

Operational Sustainment:

- Maintain Virtual services such as tracking resource utilization and performing needed modifications to achieve optimal performance of the systems involved.

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- Manage EIR storage to include break fix and life cycle management of SAN equipment to include all adds/moves/changes.
- Maintain EIR related switches and routers to ensure optimal connectivity and performance.
- Track and update Anti-Virus software on all EIR systems (currently requires a manual update of isolated EIR HBSS).
- Troubleshoot any system errors or user issues associated with the declassification ISOLAN providing coordination with the appropriate MDA/IC crews.

General IT Support:

- Provide IT support to MDA/EIR Program Office as needed with issues ranging from Microsoft programs to interfacing with the ISD.
- Provide End User training as required.

General Support functions:

- Jacobs shall ensure that COTS deliverable items are assigned an appropriate evaluation assurance level (EAL) in accordance with the National Information Assurance Partnership (NIAP) Common Criteria Evaluation and Validation Scheme (CCEVS) for IT Security Common Criteria. Jacobs will ensure that COTS deliverable items have been certified via the CCEVS.
- Jacobs' SME will be present for all EIR IT related meetings and act as liaison between EIR and ICT.

**10.5.4.4.3 (SNEA)**

The SNEA Lab is a government owned and operated data analysis laboratory providing information systems for the SNEA analysis team. This team supports SN and the MDA community by providing independent sensor analysis products. Products include analysis of ground and flight test, pre-test and post-test data, radar model validation, radar functional performance, sensor architecture and advanced threat. Jacobs shall provide two (2) technical FTEs to support the following requirements:

Cybersecurity compliance:

- Support all system accreditation efforts required to maintain an ATO (Authorization to Operate).
- Develop, update, and maintain cybersecurity documentation and artifacts to maintain an ATO.
- Maintain DoD IAVM (Information System Vulnerability Management) compliance and management of new patches as released by Red Hat and other vendors.
- Download and install critical patches on systems IAW MDA rules and guidelines; escalating to government if an alternate timeline is necessary.
- All Jacobs' personnel performing cybersecurity duties and responsibilities, to include system or network privileged users, shall meet the training, certification, and reporting requirements in accordance with current directives (DoDD 8140.01 and DOD 8570.01-M Change 4) for IAT Level II.

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Operational Sustainment:

- Maintain and build Red Hat and other Linux servers and workstations.
- Perform administrative operations and maintenance functions of server hardware and software
- Maintain Virtual services such as tracking resource utilization and performing needed modifications to achieve optimal performance of the systems involved.
- Manage SNEA storage to include break fix and life cycle management of SAN equipment to include all adds/moves/changes.
- Maintain SNEA related switches and routers to ensure optimal connectivity and performance.
- Track and update Anti-Virus software on all SNEA systems
- Troubleshoot any system errors or user issues associated with SNEA providing coordination with the appropriate MDA/IC crews.

General IT Support:

- Provide IT support to MDA/SN Program Office and remote site operations as needed with issues ranging from Microsoft programs to interfacing with the ISD to resolve problems.
- Provide End User training as required.
- Jacobs' SME will be present for all SNEA IT related meetings and act as liaison between IP and ICT.

**10.5.4.4.4 (TCES)**

The TCES lab supports all phases of IMTP HWIL events that require emulated tactical communications (all GTIs and GTXs and most SPMTs and SPFRs) Supported Event Working Group meetings and Joint Analysis Team technical interchange meetings. Provides peer review of test execution and analysis documents and provides tactical communications design evaluation and analysis support. Jacobs shall provide two (2) technical FTEs to support the following requirements:

Cybersecurity compliance:

- Support all system accreditation efforts required to maintain an ATO (Authorization to Operate).
- Develop, update, and maintain cybersecurity documentation and artifacts to maintain an ATO.
- Maintain DoD IAVM (Information System Vulnerability Management) compliance and management of new patches as released by RedHat, Microsoft and other vendors.
- Download and install critical patches on systems IAW MDA rules and guidelines; escalating to government if an alternate timeline is necessary.
- Jacobs' personnel performing cybersecurity duties and responsibilities, to include system or network privileged users, shall meet the training, certification, and

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reporting requirements in accordance with DoDD 8140.01 and DOD 8570.01-M Change 4 for IAT Level II.

Operational Sustainment:

- Maintain and build RED HAT and other Linux servers and workstations.
- Maintain and build Microsoft servers and workstations.
- Perform administrative operations and maintenance functions of server hardware and software
- Maintain Virtual services such as tracking resource utilization and performing needed modifications to achieve optimal performance of the systems involved.
- Manage TCES storage to include break fix and life cycle management of SAN equipment to include all adds/moves/changes.
- Maintain TCES related switches and routers to ensure optimal connectivity and performance.
- Track and update Anti-Virus software on all TCES systems
- Troubleshoot any system errors or user issues associated with TCES providing coordination with the appropriate MDA/IC crews.

General IT Support:

- Provide IT support to MDA/TC Program Office and remote site operations as needed with issues ranging from Microsoft programs to interfacing with the ISD to resolve problems.
- Provide End User training as required.

General Support functions:

- Jacobs shall support the development and implementation an obsolescence plan to replace or upgrade all COTS hardware, operating systems, and supporting software on all information systems and networks developed or used in support of this SOW in accordance with prescribed DoD timelines.
- Jacobs shall ensure that COTS deliverable items are assigned an appropriate evaluation assurance level (EAL) in accordance with the National Information Assurance Partnership (NIAP) Common Criteria Evaluation and Validation Scheme (CCEVS) for IT Security Common Criteria. The contractor should ensure that COTS deliverable items have been certified via the CCEVS.
- Jacobs' SME will be present for all JIPCAN IT related meetings and act as liaison between IP and ICT.

**10.5.4.4.5 Joint Israeli Program Classified Administrative Network (JIPCAN)**

The Joint Israeli Program (IP) Classified Administrative Network (JIPCAN) consists of a dedicated network with no outside connections with multiple sites both CONUS and OCONUS. The JIPCAN network is completely virtualized providing services such as Domain verification, file/print, document collaboration, and VTC capability throughout the JIPCAN environment. CONUS connectivity utilizes a combination of transport mechanisms such as MDA WAN.

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OCONUS connectivity utilizes dedicated DISA procured circuits with TACLANE Encryptors providing a Type 1 encrypted enclave for all JIPCAN traffic. Redstone Arsenal Huntsville building RSA 5201 is the main presence for JIPCAN, CONUS sites include HQ, HSV, and MDIOC with OCONUS sites primarily located in Israel with potential future requirements for additional sites in other locations. The MDA/IP Program Office represents a bi-lateral program with the goal to develop, create and maintain a system in conjunction with the Israeli Missile Defense Office. This Joint Classified Network is certified and accredited as a closed system requiring thoroughly vetted IT administrators and a flexible robust support model. While multiple crews directly support the IP staff, the Server Management crew will have responsibility for JIPCAN and will provide the primary support to the environment, ensuring it meets MDA standards and IP program requirements. Jacobs shall provide two (2) technical FTEs to support the following requirements:

Cybersecurity compliance:

- Support all system accreditation efforts required to maintain an Authorization to Operate (ATO).
- Develop, update, and maintain cybersecurity documentation and artifacts to maintain an ATO.
- Maintain DoD Information System Vulnerability Management (IAVM) compliance and management of new patches as released by Microsoft and other vendors.
- Download and install critical patches on systems IAW MDA rules and guidelines; escalating to government if an alternate timeline is necessary.
- All Jacobs' personnel performing cybersecurity duties and responsibilities, to include system or network privileged users, shall meet the training, certification, and reporting requirements in accordance with DoDD 8140.01 and DOD 8570.01-M Change 4 for IAT Level II.

Operational Sustainment:

- Maintain Virtual services such as tracking resource utilization and performing needed modifications to achieve optimal performance of the systems involved.
- Manage JIPCAN storage to include break fix and life cycle management of SAN equipment to include all adds/moves/changes.
- Maintain JIPCAN related switches and routers to ensure optimal connectivity and performance.
- Track and update Anti-Virus software on all JIPCAN systems (currently requires a manual update of isolated JIPCAN HBSS).
- Troubleshoot any system errors or user issues associated with JIPCAN both CONUS and OCONUS providing coordination with the appropriate MDA/IC crews.
- Perform quarterly site visits to remote sites for quality control and annual COMSEC updates.

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General IT Support:

- Provide IT support to MDA/IP Program Office and remote site operations as needed with issues ranging from Microsoft programs to interfacing with the ISD to resolve problems such as mobile device repairs and failures.
- Provide End User training as required.
- Provide shipping support for sensitive items to OCONUS locations.

VTC support:

- Support all VTC conferences scheduled by IP by facilitating VTC calls and ensuring there are no unnecessary background activities running that could compromise VTC calling.
- Conduct VTC's test calls with individuals at JIPCAN remote sites to ensure systems are operational before each VTC.
- Facilitate any repairs necessary to VTC JIPCAN OCONUS equipment.

Mission Communications support:

- Facilitate MDA/IP Communications with JIPCAN sites.
- Provide mission support to all MDA/IP divisions as required during windows of operation.
- Work with MDA/IP and JIPCAN remote sites to provide performance testing on all aspects of network infrastructure required to maintain optimal performance the mission network.

General Support functions:

- Jacobs shall develop and implement an obsolescence plan to replace or upgrade all COTS hardware, operating systems, and supporting software on all information systems and networks developed or used in support of this SOW in accordance with prescribed DoD timelines.
- Jacobs shall ensure that COTS deliverable items are assigned an appropriate evaluation assurance level (EAL) in accordance with the National Information Assurance Partnership (NIAP) Common Criteria Evaluation and Validation Scheme (CCEVS) for IT Security Common Criteria. The contractor should ensure that COTS deliverable items have been certified via the CCEVS.
- Jacobs' SME will be present for all JIPCAN IT related meetings and act as liaison between IP and ICT.

OCONUS support:

- The team shall be prepared to provide rapid support to the JIPCAN network as needed to include deployment to OCONUS sites when required. For budgeting purposes, travel is projected to be 2 OCONUS and 4 CONUS trips per year/.

Additional Qualifications: All crew members must be vetted through the MDA/IP office and their Israeli counter parts and must be found to be in good standing to be considered eligible for access to JIPCAN.

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Deliverables: Status report (monthly), technical report (as required), CFSR/FMER as needed, and quarterly life-cycle report.

#### **10.5.4.4.6 Visual Information Production Center (VIPIC) Support**

VIPIC provides graphic, presentation, and printing services for the Agency, maintaining specialized equipment to support these requirements. Jacobs shall provide one (1) dedicated Client Support Administrator (CSA) to support VIPIC requirements for the agency in Huntsville, and vendor support through Berney Solutions.

Jacobs shall provide specialized IT services in support of VIPIC operations, utilizing normal MDA IT Service SOPs and CONOPS to identify and fulfill hardware, software, and project related requirements using the MDA CIO IT Service Request Module and system life cycle processes. Jacobs shall inventory, from an Enterprise perspective, the VIPIC IT hardware, software, systems and O&M contracts and ensure VIPIC IT equipment is operational and under maintenance contract. Jacobs shall prepare forward looking IT refresh requirements and work with VIPIC staff to prioritize IT replacements, upgrades and new IT. Jacobs shall work with VIPIC to manage and structure/organize network file storage that allows for upload and download of VIPIC digital products for the VIPIC staff and organization across all regions. Jacobs shall manage access controls and permissions that govern reading and/or writing the managed data and folders. Jacobs shall work with the VIPIC staff to construct appropriate and intuitive file, folder and web site naming conventions and taxonomy. Jacobs shall be familiar with the VIPIC specialized IT hardware and software configuration items and manage VIPIC related IT incidents, problems, change, configuration and asset management activities and ensure VIPIC IT assets are reliable, secure and available to VIPIC staff in support of the VIPIC mission. Jacobs shall support CONUS travel as required.

#### Materials:

Jacobs shall provide Information Technology and/or Information Assurance support, and hardware, software, network equipment, vendor support/maintenance/training and/or other tools required by the VIPIC and as identified and funded by the Government. Jacobs shall transition all contractor-acquired infrastructure/materials during the execution of this task order to the Government upon receipt from the vendor. (annual estimated \$380K Hardware, \$60K Software, \$35K Material)

#### **10.5.4.4.7 GM Data Architect – Integrated Digital Environment (IDE)**

MDA GM requires Data Architecture support in the development of an MDA-hosted repository for the Ground-Based Midcourse Defense (GM) data, which includes deliverables and program execution information.

#### Data Architecture:

Jacobs shall serve as the Ground-Based Midcourse Defense Data Architect, and work in coordination with GM, associate contractor project managers and business analysts. Jacobs shall develop GM data requirements and aggregate disparate data sources into integrated views of the data and develop all data models, views, and source-to-target mappings at the foundation and aggregate levels. Jacobs shall participate with the customer for status briefings, working-level meetings, and other information gathering/dissemination forums as necessary. Jacobs shall be

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co-located within customer-designated spaces at HSV, and shall be available during normal work days and limited emergency after-hours as necessary.

#### **10.5.4.5 Direct Support to MDA SAP Element**

Jacobs shall provide dedicated engineering and technical support to the MDA SAP Information Technology systems in multiple geographic locations to meet MDA organizational requirements, mission-focused operationally established standards, Government unique technical requirements, and operational functions necessary to support the customer focused, above-baseline SAP IT services. The three focus areas will be Tier III Cybersecurity support, Local Area Network (LAN) Management, and Tier I and II Customer Support. Support details are provided in the following paragraphs.

##### **10.5.4.5.1 MDA JWICS Support**

Jacobs shall provide active TS/SCI engineers in HSV and in NCR to perform cybersecurity compliance, operational sustainment, and other general IT tasks as required to ensure continuous performance. With the broad spectrum of expertise required in the JWICS environment, IRES personnel shall possess the ability to quickly adapt to new situations, a strong commitment to a team environment, a capacity to work with little supervision, and the willingness to learn new technologies.

The engineers shall specialize in the management and operations of Windows Active Directory-based domains, integrated with Windows and Linux systems. These IT specialists shall be directly matrixed to MDA/DVS, and shall be directed by MDA/DVS government personnel on a day-to-day basis. Primary duty hours shall be 0600 - 1900 (ET), with shift work and on-call provided to assist in after-hours maintenance activities. Specific duties include, but are not limited to, as follows:

##### Cybersecurity compliance:

- Support all system accreditation efforts required to maintain an ATO (Authorization to Operate).
- Develop, update, and maintain cybersecurity documentation and artifacts to maintain an ATO.
- Maintain DoD IAVM (Information System Vulnerability Management) compliance and management of new patches as released by Microsoft, Red Hat, and other vendors.
- Download and install critical patches on systems IAW MDA rules and guidelines; escalating to government if an alternate timeline is necessary.
- All Jacobs personnel performing cybersecurity duties and responsibilities, to include system or network privileged users, shall meet the training, certification, and reporting requirements in accordance with current directives (DoDD 8140.01 and DOD 8570.01-M Change 4) for IAT Level II.

##### Operational Sustainment:

- Maintain and build Windows and Linux servers and workstations.

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- Perform administrative operations and maintenance functions of server hardware and software
- Maintain Virtual services such as tracking resource utilization and performing needed modifications to achieve optimal performance of the systems involved.
- Manage JWICS storage to include break fix and life cycle management of SAN equipment to include all adds/moves/changes.
- Maintain JWICS related switches and routers to ensure optimal connectivity and performance.
- Track and update Anti-Virus software on all systems
- Troubleshoot any system errors or user issues associated with JWICS providing coordination with the appropriate MDA/IC crews.

General IT Support:

- Provide IT support to MDA JWICS as needed with issues ranging from Microsoft programs to interfacing with the ISD to resolve problems.
- Provide End User training as required.
- Jacobs' SME will be present for all JWICS IT related meetings and act as liaison between JWICS and ICT.

**10.5.4.5.2 MDA SAP Mission-unique IT Support Services**

The MDA SAP mission-unique IT services include all basic IT support functions for priority systems as well as 3-5 select systems charged with MDA SAP missions for which IC is funded to provide service. The priority systems at this time include GM ISOLAN and the Pathfinder systems.

**GM ISOLAN:**

Cybersecurity compliance:

- Support all system accreditation efforts required to maintain an ATO (Authorization to Operate).
- Develop, update, and maintain cybersecurity documentation and artifacts to maintain an ATO.
- Maintain DoD IAVM (Information System Vulnerability Management) compliance and management of new patches as released by Microsoft, Red Hat, and other vendors.
- Download and install critical patches on systems IAW MDA rules and guidelines; escalating to government if an alternate timeline is necessary.
- All Jacobs' personnel performing cybersecurity duties and responsibilities, to include system or network privileged users, shall meet the training, certification, and reporting requirements in accordance with current directives (DoDD 8140.01 and DOD 8570.01-M Change 4) for IAT Level II.

Operational Sustainment:

- Maintain and build Windows and Linux servers and workstations.

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- Perform administrative operations and maintenance functions of server hardware and software
- Maintain Virtual services such as tracking resource utilization and performing needed modifications to achieve optimal performance of the systems involved.
- Manage GM ISOLAN storage to include break fix and life cycle management of SAN equipment to include all adds/moves/changes.
- Maintain GM ISOLAN related switches and routers to ensure optimal connectivity and performance.
- Track and update Anti-Virus software on all systems
- Troubleshoot any system errors or user issues associated with GM ISOLAN providing coordination with the appropriate MDA/IC crews.

General IT Support:

- Provide IT support to GM ISOLAN as needed with issues ranging from Microsoft programs to interfacing with the ISD to resolve problems.
- Provide End User training as required.
- Jacobs' SME will be present for all GM ISOLAN IT related meetings and act as liaison between GM and ICT.

Pathfinder System:

Cybersecurity compliance:

- Support all system accreditation efforts required to maintain an ATO (Authorization to Operate).
- Develop, update, and maintain cybersecurity documentation and artifacts to maintain an ATO.
- Maintain DoD IAVM (Information System Vulnerability Management) compliance and management of new patches as released by Microsoft, Red Hat, and other vendors.
- Download and install critical patches on systems IAW MDA rules and guidelines; escalating to government if an alternate timeline is necessary.
- All IRES personnel performing cybersecurity duties and responsibilities, to include system or network privileged users, shall meet the training, certification, and reporting requirements in accordance with current directives (DoDD 8140.01 and DOD 8570.01-M Change 4) for IAT Level II.

Operational Sustainment:

- Maintain and build, secure, operationally reliant Windows and Linux servers and workstations.
- Perform administrative operations and maintenance functions of server hardware and software
- Maintain Virtual services such as tracking resource utilization and performing needed modifications to achieve optimal performance of the systems involved.

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- (PPWP-C\_Row10 qty 8) Manage Pathfinder System storage to include break fix and life cycle management of SAN equipment to include all adds/moves/changes.
- Maintain Pathfinder System related switches and routers to ensure optimal connectivity and performance.
- Track and update Anti-Virus software on all systems
- Troubleshoot any system errors or user issues associated with Pathfinder System providing coordination with the appropriate MDA/IC crews.
- Provide support for bare-metal and virtual machines; coordinating actions with peer system administrators, network administrators, security teams, software teams and hardware engineers.
- Maintain Radiant Mercury system (CDS administration) task.
- Maintain storage systems maintenance for the Linux environment.
- (PPWP-C\_Row12 qty 8) Perform scripting in various languages as needed.
- Understanding networking concepts in a Linux environment.
- (PPWP-C\_Row12 qty 8) Navigate and administer a Red Hat IPA environment.
- (PPWPC\_Row12 qty 8) Installing/configuring COTS software.
- (PPWP-C\_Row12 qty 8) Perform Windows Active Directory operations as required.

General IT Support:

- Provide IT support to Pathfinder System as needed with issues ranging from Microsoft programs to interfacing with the ISD to resolve problems.
- Provide End User training as required.
- IRES SME will be present for all Pathfinder System IT related meetings.
- Provide dedicated on-site support for Linux Systems Administration.
- Support the development and implementation of new and emerging technologies and solutions.

**AB SAP Systems:**

(PPWP-C\_Row9 additional scale qty 8) Cybersecurity compliance:

- Support all system accreditation efforts required to maintain an ATO (Authorization to Operate).
- Develop, update, and maintain cybersecurity documentation and artifacts to maintain an ATO.
- Maintain DoD IAVM (Information System Vulnerability Management) compliance and management of new patches as released by Microsoft, Red Hat, and other vendors.
- Download and install critical patches on systems IAW MDA rules and guidelines; escalating to government if an alternate timeline is necessary.

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- All Jacobs' personnel performing cybersecurity duties and responsibilities, to include system or network privileged users, shall meet the training, certification, and reporting requirements in accordance with current directives (DoDD 8140.01 and DOD 8570.01-M Change 4) for IAT Level II.

#### Operational Sustainment:

- Provide Multi-disciplinary Engineer (MDE) support in a dedicated, on-site setting that can assist AB in developing solutions for emerging and short-suspense requirements.
- (PPWP-C\_Row14 qty 8) Develop systems and network designs that will allow multiple, geographically-dispersed remote site ISOLANs/ISOWANs that interface within an existing ISOWAN structure to utilize the MDA SAP IT Enterprise network (THOR) transport and services.
- (PPWP-C\_Row14 qty 8) Perform network analysis and design, troubleshooting for network connectivity issues, architecture analysis and design/re-design tasks as required.
- (PPWP-C\_Row15 qty 8) Support ISOLAN/ISOWAN and standalone environment configuration(s).
- (PPWP-C\_Row15 qty 8) Perform Windows and/or Linux systems administration.
- (PPWP-C\_Row17 qty 8) Perform coordination for network connectivity, cabling, and hardware/software configuration elements as required.
- (PPWP-C\_Row15 qty 8) Perform server administration and maintenance as required.
- (PPWP-C\_Row16 qty 8) Provide design and implementation support of multiple-scale storage solutions.

#### General IT Support:

- Provide IT project support for AB SAP systems as required to include: research for new projects, expansions of existing architecture, storage and data handling solutions, and integration of new initiatives and tools within current existing infrastructure (and at times dealing with legacy components).

Develop and document technical procedures as required

#### 10.5.4.5.3 IT Project Requirements Support

Scope: The primary MDA SAP mission-unique user systems supported by this task are GM ISOLAN and Pathfinder, with the potential to support 3-5 total government-owned, government-operated systems initially. The key roles that need to be supported at the beginning of the task are: the intake of new mission-unique IT requirements and assessment/triage, coordination with other contracts on meeting customer/mission requirement, coordination with government personnel from several different MDA teams/2 letter organizations, and required administrative tasks pertaining to the contract task and its personnel.

Requirement: The initial tasks that correspond with project requirements support specifically include: frequent teamwork and cooperation with other contracts and their personnel and many

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different program managers and leadership within both the two-letter and IC. MDA SAP IT users also require clear communication, management of Element IT services and interaction with Enterprise IT services, responsive, timely, and quality change proposal submission, and timely execution of contract changes. An enhanced level of IT project requirements support will be required at a later date (mutually agreed upon date) after the initial performance period is in progress. These enhanced services will be labeled a "PRIORITY #2" task

### **10.5.5 Network Operations**

The contractor shall deliver a NetOps process that integrates the DoD strategy for NetOps into the ITIL service life cycle. The process shall align network administration and operations with the needs of MDA CIO customers and users; provide clearly defined processes, functions, and terminology; enable seamless integration of people, processes, and technology across the MDA and IRES ITSM organizations; and improve the availability, reliability, and security of mission-critical IT services.

#### **10.5.5.1 Network Operations Services**

Using its NetOps process as a guide, the contractor shall provide enterprise management of network operations to provide decision makers and network operators with a comprehensive view of the state of networks and enterprise capabilities. The contractor shall provide a network defense capability to understand and defend against threats or vulnerabilities for all network assets. The contractor shall provide a content management approach that provides the functional processes needed to facilitate visibility into the network environment. The contractor shall provide situational awareness and incident management to ensure all assigned systems, subsystems, and networks meet or exceed MDA mission, test, and business availability requirements.

The contractor shall provide 24x7x365 support in alignment with the GNOSC. Network operations personnel shall review network traffic and respond to unexpected faults or breaches of pre-established performance thresholds. The contractor's network operators shall perform anomaly detection and understand the health of the network infrastructure. As operational missions change, the systems and supporting monitoring tools shall be updated to reflect new monitoring parameters. The contractor shall validate the health and functioning of all networks and evaluate whether monitoring strategies are providing effective and timely traffic notifications. Networks or core components that have significant mission impact shall receive greater monitoring and maintenance rigor.

The contractor's Network Operations Team shall monitor and report any outages immediately, triaging the impact to the operational mission, responding to outages or events by reporting, coordinating changes, applying security patches, and coordinating network minimization. Outages shall be elevated to the next appropriate organization and regular status shall be obtained to provide situational awareness to MDA CIO decision makers. Following discovery of trouble conditions, the contractor shall implement recovery procedures to isolate specific root causes. The contractor shall use the same approach for unique networks and provide dedicated support as detailed above. Internal outages shall also be managed by the IT-NSC. If an outage occurs before preventive measures can take effect, it shall be prioritized according to its mission-criticality. Any outage that is non-mission-critical shall be scheduled for repair. All mission-

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critical outages shall receive immediate maintenance support. The contractor shall perform fault and impact analysis on user activity and service performance using the proactive monitoring of generated network and security faults. The contractor shall troubleshoot and resolve incidents in accordance with its Incident Management process and escalate incidents in accordance with its Problem Management process. The contractor shall perform network impact assessments by correlating operational events with the status of systems. The contractor's Network Operations Team shall analyze the configurations of services and applications in order to correct network anomalies. The contractor shall perform analysis of performance and security event trends and identify issues related to associated network devices, connectivity, services, and applications.

The contractor shall implement, at a minimum, a weekly maintenance scheduling event, where senior network operations personnel representing all network classifications review the maintenance tasks and de-conflict any associated technical risks. Once a maintenance schedule meets technical acceptance, a managerial review shall be used to evaluate operational mission risks. If a maintenance task will interfere or put at risk an operational mission, it shall either be postponed or prioritized over other tasks to ensure mission success. To mitigate any potential conflicts, the contractor's Network Operations Team shall provide the contractor's TIG with 24-hour, on-demand visibility of any scheduled maintenance requirement or planned outages. Prior to initiating work, the contractor's Network Operations Team shall verify the activity has no impact on a mission or configuration for a planned event. Using work schedules in Remedy and network status data, the contractor's Network Operations Team shall collaborate with its EITS STIM to provide situational awareness to the TIG for de-confliction of events. System failures impacting BMDS testing shall be immediately identified, communicated through the IT-NSC, and documented in Remedy.

The contractor shall employ current MDA tools to conduct network-specific monitoring, incident resolution, and reporting, and configure monitoring tools to provide situational awareness views of MDA networks. The contractor shall continuously evaluate tools available from industry and the contractor's preferred partners that provide enhanced capabilities, including active scanning and passive listening as well as dynamic network visibility through customized dashboards, visualizations, alerts, and reports. All tools selected for utilization shall be accredited through the appropriate AO, prior to their utilization on any MDA network or system.

Concurrent with monitoring activities, the contractor shall conduct all normalized network management activities on both a scheduled and unscheduled basis. The contractor's Network Operations Team shall be staffed to handle user problems and investigate, test, and resolve issues. The contractor shall maintain, configure, and install networks, network cabling, and other related equipment, devices, and systems. The contractor shall perform and oversee software and hardware development, installation, and upgrades; plan and implement network security, including building firewalls; apply cryptography to network applications, backup, and disaster recovery plans; and troubleshoot networks, systems, and applications to identify and correct malfunctions and other operational difficulties. For general maintenance tasks the contractor shall identify the nature and security of the systems, networks, and user accounts, and tailor its support for each remote site, both CONUS and OCONUS, to ensure users receive timely and accurate service.

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Deliverable	Initial Delivery	Frequency	
None	N/A	N/A	
CPWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
(b)(4)			

#### 10.5.5.2 Network Infrastructure Services

The contractor shall provide operations and maintenance support for the MDA network infrastructure (either physical or virtual) 24x7x365 in alignment with the GNSOC. The contractor shall install, operate, maintain, monitor, manage, and troubleshoot MDA classified and unclassified networks (e.g., routers, switches, cabling, etc.). The contractor shall support all networking backbone (physical, data, network, and transport) issues between internal MDA networks and external networks as required.

The contractor shall install and maintain the network transport medium (i.e., fiber, wireless, copper) to include user access drops at their desks. The contractor shall operate, proactively monitor, and maintain network connectivity within and between MDA facilities, other Government facilities, and other contractor facilities (as designated by the Government). The contractor shall perform cryptographic circuit maintenance. The contractor shall operate, maintain, and manage both secure and non-secure wireless communication infrastructure equipment and service within MDA facilities. Examples of equipment and services include, but are not limited to, access points, wireless LAN controllers, security devices and applications, mobile device managers, and other related equipment and software used in providing wireless services.

The contractor shall minimize disruption of day-to-day operations for planned upgrades. The contractor shall maintain an annualized availability rating of 99.99% (metrics collected and reported monthly in Remedy), not to include scheduled maintenance windows. The contractor shall implement its Network Reliability BBP, which shall include event and incident management and assessment and use of available monitoring tools to help identify areas of vulnerability, such as single points of failure, to identify and mitigate areas prone to cause service or system disruptions. Along with event and incident management activities, the contractor shall use its Change and Configuration Management processes to address network outages. The contractor's Network Operations Team shall coordinate with its Network Engineers to evaluate capacity per the contractor's Availability/Capacity Management process.

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The contractor shall obtain MDA CIO approval for every required change and, for every medium- to high-risk change, each shall be thoroughly tested before being promoted into the production environment. Low-risk changes shall be incorporated into a standard change template and pre-approved by the MDA Change Advisory Board. The contractor shall use its integrated IT asset and configuration management process, to track and manage the configuration of all network software and hardware (e.g., firewalls, switches, routers, cable plant).

The Contractor shall install, test, and maintain the secure/non-secure voice, video, and data cable infrastructure at MDA primary locations (e.g., MDIOC, Von Braun Complex). The Contractor shall perform its work in accordance with MDA policies, procedures, regulations and directives, as well as the National Electric Contractor's Association/Building Industry Consulting Service International 568 standard which defines minimum requirements and procedures for installing telecommunications cable infrastructure. The contractor shall provide dedicated, on-site coverage for cabling maintained by MDA. On-call support shall be provided during non-duty hours. The contractor shall install, replace, repair, remove, terminate, and test new and existing LAN cabling, to include copper (both shielded and unshielded), fiber optic (both single mode and multi-mode), Radio Frequency (RF), and specialized cable (e.g., cable television) in accordance with applicable MDA and DoD policies and industry best practices. The contractor shall maintain cable infrastructure labeling standards in accordance with MDA policies, procedures, regulations, and directives. The contractor shall maintain the MDA cable plant database for all MDA primary locations.

Deliverables			
Deliverable	Initial Delivery	Frequency	
None	N/A	N/A	

CPWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
(b)(4)			

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### 10.5.6 Application Administration

The contractor shall provide application administration services in accordance with its tailored ITSM approach. Application administration support shall include troubleshooting, maintaining, updating, testing, customer support, and incident resolution. The contractor shall provide support for installation, configuration, and migration, and perform day-to-day troubleshooting and performance monitoring of MDA applications. The contractor shall achieve measureable efficiencies by enforcing modular design, community standards and methodologies, common APIs for data sharing, and formal metrics for rapid, and automated software releases from development to production environments (b)(4)

(b)(4)

The contractor shall perform application analysis of existing applications to determine suitability of each application to provide full SLA support to the customer base and services portfolio. The contractor shall evaluate customer help tickets associated with each application and, when identifying negative trends in application operation, escalate the problem to the appropriate application vendor to initiate a trouble call or update request. If the application is deemed unsuitable to provide the service it was originally acquired for, the contractor's Application Administration Team shall analyze COTS and GOTS offerings to determine if there is a more suitable application available to support MDA customers. The contractor shall manage the performance and capacity of both services and component resources, assist with the diagnosis and resolution of performance and capacity related issues, and assess the impact of all approved changes against the capacity plan. If a suitable application is found, the application administration team shall process a request for change through the Change Management process to have that application evaluated and acquired to support the service portfolio. If there is no suitable application available, the application administration team will provide detailed application requirements to the contractor's Application Development Team to determine if an appropriate application can be developed within MIE.

Deliverables		
Deliverable	Initial Delivery	Frequency
None	N/A	N/A

CPWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
(b)(4)			

(b)(4)

### 10.5.7 Telephony Services

The contractor shall manage and operate secure Voice over IP (VoIP) services, the Defense Red Switch Network, and support all secure Video Teleconference (VTC) services 24x7x365 in alignment with the GNOSC. The contractor shall provide all connectivity and special circuitry for life, health, safety, and access control services, supporting Electronic Security Services component items including: 36 Cameras, 800 Alarm Points, 200 Remote Access Panels (RAP), 40 Field Panels (FP), 2 Badge Enrollment Stations, 2 Command and Control Consoles, and associated hardware/software computing systems. The contractor shall validate classified VTC accreditation level prior to VTC connection. The contractor shall maintain control of the telephony network assets deployed across the enterprise. The contractor shall provide ongoing configuration management, monitoring, and security for every device attached to the network. The contractor shall provide a team of fully trained and certified personnel to design, develop, install, configure, maintain, and optimize telephony network services and devices. The contractor shall provide telephony services in accordance with its tailored ITSM approach. The contractor shall provision telephones, configure VoIP telephones for use with the Call Manager, maintain COMSEC cleared personnel with COMSEC courier authorization, provide keying for secure equipment, and connect telephones to the appropriate physical network.

The contractor shall ensure proper segmentation of voice and data on the MDA networks. The contractor shall perform an annual VoIP audit to identify network readiness for voice. The contractor shall provide redundant core and distribution routers throughout the network. The contractor shall centralize Call Manager to simplify management and maintain resilience. The contractor shall manage the telephony asset inventory using our integrated IT configuration and asset management approach. The contractor shall monitor voice gateway utilization and trunk availability on a regular basis to allow proper bandwidth provisioning.

Efficient delivery of telephony services requires an accurate baseline of assets deployed across the enterprise, including VoIP, telephone switches, Call Managers, and nodes. The contractor shall perform an assessment of telephony assets including VoIP, telephone switches, Call Managers, and nodes. The assessment shall be performed in order for the contractor to establish an accurate network and hardware baseline. The contractor shall review existing circuits and usage; evaluate network topology for dial plan, clustering, redundancy, and fail-over; and perform an inventory of telecommunications assets and external services. The contractor shall identify opportunities for consolidation of hardware, optimization of call routing rules, and efficiencies across external telecommunication hardware and service providers through the contractor's Preferred Partner Program.

The contractor shall manage the wireless communications and mobile device program for both the unclassified and classified devices at MDA. The contractor shall provide Personal Electronic Device (PED)/mobile device support to include issue, configuration, test, activation/ deactivation of handheld devices. The contractor shall provide mobile device familiarization training, system sanitization, basic troubleshooting, logistical support, and corrective actions. The contractor shall provide all aspects of mobile device maintenance, including recommending hardware and software upgrades and life cycle replacement, drafting policies and procedures, and the

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implementation and integration of new wireless services and technologies. During CY1, the contractor shall conduct an inventory of mobile devices across the MDA to identify gaps in user assignment, configuration, and security. The contractor shall assess the current MDA Mobile Device Management (MDM) strategy, identify opportunities for improvement, and provide recommendations for new MDM capabilities. The contractor shall review the results of the assessment with its JNETS telecommunications experts to identify opportunities for consolidation of mobile devices, optimization of mobile device management (e.g., streamlined device enrollment, automated configuration, enhanced security), and efficiencies across external hardware and service providers through the contractor's Preferred Partner Program. Following this review, the contractor shall deliver a MDM optimization plan to the MDA CIO. The plan shall be delivered in CY2 and improvements implemented by the end of CY3.

Deliverables			
Deliverable	Initial Delivery	Frequency	
MDM Optimization Plan	End of CY1	Once	
Mobile Device Optimizations	End of CY3	Once	

CPWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
(b)(4)			

## 10.6 IT as a Service

Over the course of the EITS TO period of performance, the contractor shall transform its ITSM organization through the integration of development and operations personnel, processes, and tools. In order to achieve this transformation, the contractor shall establish an ITaaS Group within its ITSM Department to develop the tools and training that are the foundation for an ITaaS culture; integrate the Service Design, Transition, and Operations processes with the contractor's ITaaS process; and develop a self-service provisioning capability to deploy infrastructure and services to end users based on pre-defined procedures developed by the contractor's ITaaS Group. The contractor's ITaaS Group shall start as a small team dedicated to building the MDA Private Cloud and the associated IaaS, PaaS, and SaaS capabilities. As services and customers are transitioned to the cloud, the contractor shall train its Operations Teams to use ITaaS tools to automate and standup common environments for MDA customers.

### 10.6.1 Cloud Services

The MDA Private Cloud shall provide on-demand network access to a shared pool of configurable computing resources (e.g., networks, servers, storage, applications, services), which can be rapidly provisioned and released with minimal management effort or service provider interaction. The Contractor shall work with the MDA CIO to adopt and adhere to the MDA Cloud Computing Concepts of Operations (CONOPS) to modernize IT infrastructure by moving to a cloud-based architecture. The contractor shall work with the MDA CIO to adopt a Cloud Governance and Management Practices; initiate cloud computing capabilities with the MDA networks; manage the modernization and migration of applications, systems, and data into the cloud environment; and secure and manage cloud operations. The contractor shall provide a

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Cloud Solutions Architect to lead the contractor's support for cloud migration (b)(4)

(b)(4)

The contractor shall establish a balance between physical and virtual systems for increased capacity and additional capabilities without investing in new infrastructure, training new personnel, or licensing new software. The contractor shall assist in developing, implementing, and operating the MDA cloud computing capabilities in order to realize operational performance and cost-saving attributes while mitigating any potential security risks. The contractor shall work with the MDA CIO to structure a cloud-based managed service that can be offered to MDA CIO customers and easily adjusted to fit with business strategies, thereby enabling customers to pay for only the infrastructure and services they use. The managed services shall include IaaS, PaaS, and SaaS by leveraging virtualization, software-defined data center, and automation.

Using the contractor's cloud migration process as a guide the contractor shall:

- Establish processes, procedures, and policies for cloud services
- Develop a Cloud Service Catalog for ordering and provisioning of specific services
- Verify compliance with DISA STIG and RMF to provision and secure the cloud environment
- Identify cloud-based infrastructure solutions and services that meet MDA DREN community requirements
- Test/pilot case using ITaaS Group to establish and validate cloud-based development environment
- Refine and standardize service offering
- Implement automated provisioning and deployment processes in a pilot environment for evaluation prior to moving to production
- Use the systems internal monitoring mechanisms to notify/alert administrators and execute mitigation to issues
- Deliver continuous compliance monitoring of system configuration changes for planned or unplanned events
- Identify security events/vulnerabilities that need mitigation and create scripted responses that are executed automatically upon discovery
- Leverage automation and monitoring/alerting mechanisms
- Provide continuous testing and delivery of services
- Enable collaboration of developers, operations, and cybersecurity personnel
- Provide continuous deployments without use of maintenance windows

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As the MDA cloud implementation, advances the contractor shall review its migration strategy to ensure alignment with the MDA CIO Cloud Strategy and CONOPS. The contractor shall deliver the services defined above and complete the initial migration to the cloud environment by the end of CY2.

Deliverables			
Deliverable	Initial Delivery	Frequency	
Cloud Governance	End of CY2	Annual Revision	
Cloud Service Catalog	End of CY2	As Required	
Migration to Private Cloud Complete	End of CY2	Once	

CPWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
(b)(4)			

#### 10.6.2 Transitioning Tenants to the Cloud

The contractor shall deliver a process for transitioning services to the cloud. The contractor shall support MDA CIO customers with the transition of services from internal systems into the MDA Private Cloud while minimizing risk to current operations. In parallel with staging the cloud infrastructure, the contractor shall collaborate with the MDA CIO to develop a service transition approach for integrating MDA CIO customers into the cloud. The contractor's cloud transition approach shall include:

- *Requirements Analysis and Planning* – The contractor shall identify services, IT infrastructure, systems, and environments needed to support the requirement; define and document implementation milestones; and document service design specifications
- *Preparation* – The contractor shall identify tasks to be performed, define staffing and other resources, identify issues and risks, and define any lead times or other contingencies
- *Build the Service Release Package* – The contractor shall develop the Service Transition Plan, prepare the service for transition, and perform testing in a development environment
- *Deploy* – The contractor shall develop the Release/Deployment plan, deploy readiness testing, and perform service verification
- *Verify Deployment* – The contractor shall conduct a post-implementation review and review/closeout the Service Transition Plan
- *Service Operation* – The contractor shall validate end user satisfaction with the service and provide life cycle sustainment in accordance with the contractor's tailored ITSM approach

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As part of the contractor's JCSCA, the contractor shall assess cybersecurity in the cloud and vulnerabilities of new software builds by deploying and testing the vulnerability of software using the contractor's ISSEVEE platform. This shall provide the contractor's cybersecurity experts experience with cloud security and be used to verify resiliency of the software in a mission-like environment.

Deliverables			
Deliverable	Initial Delivery	Frequency	
Cloud Transition process	End of CY2	Annual Revision	
CPWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
(b)(4)			

### 10.6.3 Cloud Operations

The contractor shall automate the provisioning of IaaS, PaaS, and SaaS. The contractor's automation process shall enable rapid changes and the infusion of emerging requirements, provide repeatable configurations and reproducible environments that are under change control, enable scale up and scale down on-demand, ~~automate the testing of new or changed services, and provide for a more consistent security model~~ (b)(4)

(b)(4)

(b)(4) The pilot environment shall enable operations and end users to try out the new system and offer feedback. It shall also serve as a training platform for future members of the contractor's ITaaS Group. When the pilot implementation demonstrates the required levels of performance, stability, and usability, the contractor shall transition the automated provision process into the production environment.

Every project team shall receive three environments/accounts. These three accounts – DEV, TEST, and PROD – shall represent the type of work that will be executed in each environment. End users access to the cloud environment shall be provisioned through Remedy. Information gathered through the cloud request shall be used to tailor the automated provisioning scripts to each project (e.g., labels, IP addresses, initial resources sizing). The project team shall be provide a self-contained environment, within the appropriate account. The provisioning script accounts for all the basic cloud resources needed to establish the secure, self-contained environment that project teams shall be used to develop, test, and operate their applications. The project team shall be provided limited access to raw resources (e.g., compute, storage) to use as their application design and architecture dictate. The development and automation of a reference environment, including the perimeter security boundary, shall be the responsibility of the contractor's ITaaS Group. The contractor's ITaaS Group shall initially provision this reference

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environment, including network and security boundaries, access roles, and gateways. The contractor's ITaaS Group shall act as a support and help desk function for all cloud functionality.

Once the initial environment is provisioned, it shall be turned over to individual project teams. Starting in the development environment, over the course of executing development, the project team shall determine the best environmental configuration the application requires to meet performance and security criteria. Once the project team is ready to move to test, the contractor's ITaaS Group shall support the project team in developing the automated scripts to deploy the application stack. Moving to the test environment shall start with the testing of the two-phased automated deployment: (1) the perimeter container; and (2) the application stack. Once deployed, the project team and ITaaS Group shall collaboratively conduct all required testing and accreditation procedures (e.g., performance, functional, user, integration, ICD503). After successful testing and receipt of ATO, the now-vetted and change-controlled provisioning scripts shall be used to deploy the production environment. Due to the level of testing and automation, the production environment shall be operated in a near lights-out manner.

Deliverables			
Deliverable	Initial Delivery	Frequency	
None	N/A	N/A	

CPWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
(b)(4)			

#### 10.7 Continual Service Improvement

(b)(4)

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(b)(4)

Deliverables			
Deliverable	Initial Delivery	Frequency	
(b)(4)			
CPWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
(b)(4)			

#### 10.7.2 Quality Assurance/Quality Control

The contractor's tailored ITSM approach shall include Governance and Quality Assurance (QA)-related processes. The contractor's process shall consider QA aspects in design, development, production, and service, and identify the interfaces with other key enabling processes to ensure QA is addressed at the appropriate times during a service's life cycle. To determine how well the contractor is performing across the service life cycle, the contractor shall utilize Customer Satisfaction Surveys initiated at the closure of each "incident," "face-to-face" customer surveys with MDA stakeholders, and frequency of change in a service. Services that undergo frequent change (as indicated in the Change Management historical database) shall receive immediate QA/Quality Control (QC) review to determine the service shortfalls and remediation actions.

The contractor shall include in their designs the capability to auto-audit the service as it runs in the MIE production environment. The contractor shall ensure QA/QC and security concerns are addressed during the development activities conducted during the Service Design and Transition phases of the service life cycle. The contractor shall perform security and QA/QC audits during test and validation steps conducted at Service Transition. The contractor shall review CSI deliverables on a deliberate schedule to verify completeness, functionality, and feasibility to ensure that the deliverables remain relevant. The contractor shall monitor quality indicators and metrics to identify areas and opportunities for process improvement.

Deliverables			
Deliverable	Initial Delivery	Frequency	
QA/QC Process	30 DAC	Annual Revision	
CPWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #

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(b)(4)



## Exhibit C



Exhibit\_C\_DD\_Form\_1  
423v3.pdf.pdf

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<b>ORDER FOR SUPPLIES OR SERVICES</b>										PAGE 1 OF 15			
1. CONTRACT/PURCH. ORDER/ AGREEMENT NO. HQ079617D0001			2. DELIVERY ORDER/ CALL NO. HQ079618F8004P00014		3. DATE OF ORDER/ CALL (YYYYMMDD) 2018 Jan 05		4. REQ. / PURCH. REQUEST NO. See Schedule			5. PRIORITY  DX-C9			
6. ISSUED BY CODE HQ0796 MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300				7. ADMINISTERED BY (if other than 6) CODE S0107A DCMA HUNTSVILLE 1040 RESEARCH BLVD SUITE 100 MADISON AL 35758-2040  SCD: A				8. DELIVERY FOB <input checked="" type="checkbox"/> DESTINATION <input type="checkbox"/> OTHER  (See Schedule if other)					
9. CONTRACTOR CODE 7EBK3 JACOBS TECHNOLOGY INC. 550 WILLIAM NORTHERN BLVD. TULLAHOMA TN 37398-4727 NAME AND ADDRESS				FACILITY		10. DELIVER TO FOB POINT BY (Date) (YYYYMMDD) <b>SEE SCHEDULE</b>			11. MARK IF BUSINESS IS <input type="checkbox"/> SMALL <input type="checkbox"/> SMALL DISADVANTAGED <input type="checkbox"/> WOMEN-OWNED				
						12. DISCOUNT TERMS			13. MAIL INVOICES TO THE ADDRESS IN BLOCK Contract Sec G, 252.232-7006				
14. SHIP TO CODE HQ0796 MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300				15. PAYMENT WILL BE MADE BY CODE HQ0338 DFAS COLUMBUS CENTER SOUTH ENTITLEMENT OPERATIONS P.O. BOX 182264 COLUMBUS OH 43218-2264				MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2.					
16. TYPE OF ORDER		DELIVERY / CALL <input checked="" type="checkbox"/>		This delivery order/call is issued on another Government agency or in accordance with and subject to terms and conditions of above numbered contract.									
		PURCHASE		Reference your quote dated _____ Furnish the following on terms specified herein. REF: _____									
ACCEPTANCE. THE CONTRACTOR HEREBY ACCEPTS THE OFFER REPRESENTED BY THE NUMBERED PURCHASE ORDER AS IT MAY PREVIOUSLY HAVE BEEN OR IS NOW MODIFIED, SUBJECT TO ALL OF THE TERMS AND CONDITIONS SET FORTH, AND AGREES TO PERFORM THE SAME.													
NAME OF CONTRACTOR				SIGNATURE				TYPED NAME AND TITLE				DATE SIGNED (YYYYMMDD)	
<input checked="" type="checkbox"/> If this box is marked, supplier must sign Acceptance and return the following number of copies: 1													
17. ACCOUNTING AND APPROPRIATION DATA/ LOCAL USE  See Schedule													
18. ITEM NO.		19. SCHEDULE OF SUPPLIES/ SERVICES				20. QUANTITY ORDERED/ ACCEPTED*		21. UNIT		22. UNIT PRICE		23. AMOUNT	
		SEE SCHEDULE											
* If quantity accepted by the Government is same as quantity ordered, indicate by X. If different, enter actual quantity accepted below quantity ordered and encircle.						24. UNITED STATES OF AMERICA TELEPHONE (b)(6) E-MAIL (b)(6) By: (b)(6)		25. TOTAL \$21,046,859.00 EST		26. DIFFERENCES			
27a. QUANTITY IN COLUMN 20 HAS BEEN <input type="checkbox"/> INSPECTED <input type="checkbox"/> RECEIVED <input type="checkbox"/> ACCEPTED, AND CONFORMS TO THE CONTRACT EXCEPT AS NOTED													
b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE						c. DATE (YYYYMMDD)		d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE					
e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE						28. SHIP NO.		29. DO VOUCHER NO.		30. INITIALS			
f. TELEPHONE NUMBER				g. E-MAIL ADDRESS				<input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL		32. PAID BY		33. AMOUNT VERIFIED CORRECT FOR	
36. I certify this account is correct and proper for payment.													
a. DATE (YYYYMMDD)		b. SIGNATURE AND TITLE OF CERTIFYING OFFICER											
						31. PAYMENT <input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL				34. CHECK NUMBER		35. BILL OF LADING NO.	
37. RECEIVED AT		38. RECEIVED BY		39. DATE RECEIVED (YYYYMMDD)		40. TOTAL CONTAINERS		41. S/R ACCOUNT NO.		42. S/R VOUCHER NO.			

Section B - Supplies or Services and Prices

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
4001	<p>(b)(4)</p> <p>Services/Capabilities</p> <p>FPI</p> <p>The contractor shall provide all services/capabilities identified in the performance work statement (PWS) attached to this task order. All task order costs, other than those specifically included in another contract line item number (CLIN), shall be included in this CLIN.</p> <p>All share ratios are identified as follows: Government/Contractor. The share ratios are subject to revision in accordance with the IRES Performance Evaluation and Incentive Plan (PEIP) (Contract Attachment J-06). All task order CLINs are combined and considered a single entity for the purpose of administering the cost and performance incentives identified in the IRES PEIP.</p> <p>FOB: Destination</p> <p>PURCHASE REQUEST NUMBER: HQ01 47861 911</p>	(b)(4)			(b)(4)
				TARGET COST	(b)(4)
				TARGET PROFIT	
				TOTAL TARGET PRICE	
				CEILING PRICE	
				SHARE RATIO ABOVE TARGET	
				SHARE RATIO BELOW TARGET	

FSC CD: MIBG

ITEM NO	SUPPLIES/SERVICES	AMOUNT
400101	<p>Incremental Funding</p> <p>ACRN AA</p> <p>PURCHASE REQUEST NUMBER: HQ01 47861 911</p>	(b)(4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
4001 02	Incremental Funding  ACRN AB  PURCHASE REQUEST NUMBER: HQ01 47861 911	(b)(4)

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
4001 03	Incremental Funding FPI JFCC-IMD MIPR #11148885 PURCHASE REQUEST NUMBER: HQ0147863304				(b)(4)
				TARGET COST	(b)(4)
				TARGET PROFIT	
				TOTAL TARGET PRICE	
				CEILING PRICE	
				SHARE RATIO ABOVE TARGET	
				SHARE RATIO BELOW TARGET	
	ACRN AD CIN: HQ01478633040001				

ITEM NO	SUPPLIES/SERVICES	AMOUNT
4001 04	Incremental Funding  ACRNAE  PURCHASE REQUEST NUMBER: HQ01 47861 911-0003	(b)(4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
4001 05	Incremental Funding	
	ACRN AF	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865407	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
4001 06	Incremental Funding	
	ACRN AJ	(b)(4)
	PURCHASE REQUEST NUMBER: HQ01 47966862-0001	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
4001 07	Incremental Funding	
	ACRN AK	(b)(4)
	PURCHASE REQUEST NUMBER: HQ01 47967735	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
4070		(b)(4)			(b)(4)

Expensed Property: Non-IT Equipment

FP1

Contractor purchase of expensed property (property that would be considered contractor-acquired property [CAP] if all line items were cost reimbursement)—specifically non-IT equipment—necessary to provide the services/capabilities identified in the PWS attached to this task order. CAP is defined in FAR 52.245-1. Non-IT Equipment is all equipment as defined in DoDI 5000.64, except IT hardware/equipment.

Expensed property line items were created as an accounting mechanism designed to provide MDA better visibility and linkage of budget, obligation, expenditure, and government property data. Given the need for this level of visibility and linkage, as well as the need to include these costs as an integral component of the incentives, all task order CLINs are combined and considered a single entity for the purpose of administering the cost and performance incentives identified in the IRES PEIP.

All share ratios are identified as follows: Government/Contractor. The share ratios are subject to revision in accordance with the IRES PEIP.

NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.

FOB: Destination

PURCHASE REQUEST NUMBER: HQ0147861911

TARGET COST  
TARGET PROFIT  
TOTAL TARGET PRICE  
CEILING PRICE  
SHARE RATIO ABOVE TARGET  
SHARE RATIO BELOW TARGET

(b)(4)

FSC CD: 4940

ITEM NO	SUPPLIES/SERVICES	AMOUNT
407001		

Incremental Funding

ACRN AC

(b)(4)

PURCHASE REQUEST NUMBER: HQ01 47861911

ITEM NO	SUPPLIES/SERVICES	AMOUNT
407002	Incremental Funding	
	ACRN AC	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863066	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
407003	Incremental Funding	
	ACRN AG	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865407	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
407004	Incremental Funding	
	ACRN AH	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865407	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
407005	Incremental Funding	
	ACRN AL	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147967735	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
7990		1	Lot		NSP

Data  
FFP  
The contractor shall deliver all data, as defined in contract data requirements lists (CDRL) included in the PWS at Attachment 1 of this task order. At the end of the task order period of performance, the contractor shall submit one Invoicing, Receipt, Acceptance, and Property Transfer (iRAPT) receiving report for all data previously delivered.  
FOB: Destination  
PURCHASE REQUEST NUMBER: HQ0147861911

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NET AMT

FSC CD: MIBG

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
7991		120	Lot		NSP

Expensed Property Delivery  
FFP  
The contractor shall deliver all expensed property (property that would be considered CAP as defined in FAR 52.245-1 if all line items were cost reimbursement).  
Reference Section G of the basic contract. Every two weeks, the contractor shall submit an iRAPT receiving report. Attach to that report a spreadsheet(s) (Configuration Management Database (CMDB)/Remedy report or equivalent) with the data elements identified in section 4a(8)(b) of MDA 4161.01-M or section 3.9a of DoDI 5000.76 for each item included in the delivery.  
NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.  
FOB: Destination  
PURCHASE REQUEST NUMBER: HQ0147861911

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NET AMT

FSC CD: MIBG

Section E - Inspection and Acceptance

INSPECTION AND ACCEPTANCE TERMS

Supplies/services will be inspected/accepted at:

CLIN	INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
4001	Origin	Government	Destination	Government
400101	N/A	N/A	N/A	N/A
400102	N/A	N/A	N/A	N/A
400103	N/A	N/A	N/A	N/A
400104	N/A	N/A	N/A	N/A
400105	N/A	N/A	N/A	N/A
400106	N/A	N/A	N/A	N/A
400107	N/A	N/A	N/A	N/A
4070	Origin	Government	Destination	Government
407001	N/A	N/A	N/A	N/A
407002	N/A	N/A	N/A	N/A
407003	N/A	N/A	N/A	N/A
407004	N/A	N/A	N/A	N/A
407005	N/A	N/A	N/A	N/A
7990	Origin	Government	Destination	Government
7991	Origin	Government	Destination	Government

Section F - Deliveries or Performance

DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	DODAAC / CAGE
4001	POP 05-JAN-2018 TO 04-JUL-2022	N/A	MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 FOB: Destination	HQ0796
400101	N/A	N/A	N/A	N/A
400102	N/A	N/A	N/A	N/A
400103	N/A	N/A	N/A	N/A
400104	N/A	N/A	N/A	N/A
400105	N/A	N/A	N/A	N/A
400106	N/A	N/A	N/A	N/A
400107	N/A	N/A	N/A	N/A
4070	04-JUL-2022	54	MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 FOB: Destination	HQ0796
407001	N/A	N/A	N/A	N/A
407002	N/A	N/A	N/A	N/A
407003	N/A	N/A	N/A	N/A
407004	N/A	N/A	N/A	N/A
407005	N/A	N/A	N/A	N/A
7990	POP 05-JAN-2018 TO 04-JUL-2022	N/A	MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 FOB: Destination	HQ0796

7991	POP 05-JAN-2018 TO 04-JUL-2022	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796
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Section G - Contract Administration Data

ACCOUNTING AND APPROPRIATION DATA

AA: 044411007 0400.000 N 20182019 D 2520 XL\_SD22P\_FY18 IC-FI02-FY1819 7IIC 254  
 AMOUNT: (b)(4)

AB: 044411007 0400.000 N 20182019 D 2520 XL\_SD22P\_FY18 IC-FI04-FY1819 7IIC 254  
 AMOUNT: (b)(4)

AC: 044411007 0400.000 N 20182019 D 2520 XL\_SD22P\_FY18 IC-FI02-FY1819 7IIC 310  
 AMOUNT: (b)(4)

AD: 044411007 0400.000 N 20172018 R 2520 I1148885 I 7IIC 254  
 AMOUNT: (b)(4)

AE: 044411007 0400.000 N 20182019 D 2520 XL\_SD22P\_FY18 IC-FI03-FY1819 7IIC 254  
 AMOUNT: (b)(4)

AF: 044411007 0400.000 N 20182019 D 2520 XL\_SD22P\_FY18 IC-I101-FY1819 7IIC 254  
 AMOUNT: (b)(4)

AG: 044411007 0400.000 N 20182019 D 2520 XL\_SD22P\_FY18 IC-I101-FY1819 7IIC 310  
 AMOUNT: (b)(4)

AH: 044411007 0400.000 N 20182019 D 2520 XL\_SD22P\_FY18 IC-EI04-FY1819 7IIC 310  
 AMOUNT: (b)(4)

AJ: 044411007 0400.000 N 20182019 R 2520 I1263990 I 7IIC 254  
 AMOUNT: (b)(4)

AK: 044411007 0400.000 N 20192020 D 2500 XL\_SD22P\_FY19 IC-FI02-FY1920 7IIC 254  
 AMOUNT: (b)(4)

AL: 044411007 0400.000 N 20192020 D 2500 XL\_SD22P\_FY19 IC-FI03-FY1920 7IIC 310  
 AMOUNT: (b)(4)

ACRN	CLIN/SLIN	CIN	AMOUNT
AA	400101	HQ0147861911000101	(b)(4)
AB	400102	HQ0147861911000102	
AC	407001	HQ0147861911000201	
	407002	HQ01478630660001	
AD	400103	HQ01478633040001	
AE	400104	HQ0147861911000103	
AF	400105	HQ01478654070001	
AG	407003	HQ01478654070002	
AH	407004	HQ01478654070003	
AJ	400106	HQ01479668620002	
AK	400107	HQ01479677350001	
AL	407005	HQ01479677350002	

CLAUSES INCORPORATED BY REFERENCE

## PAYMENT INSTRUCTIONS

### Billing Instructions and Payment Information for the Contractor:

Payments for contract line items number (CLINs) 4001 and 4070 will be made on partial deliveries accepted by the Government on a monthly basis in accordance with FAR 52.232-1, Payments. The total final prices are subject to adjustments in accordance with FAR 52.216-16, Incentive Price Revision – Firm Target, and performance assessments conducted in accordance with the IRES Performance Evaluation and Incentive Plan (PEIP, Attachment J-06).

All task order costs, other than those specifically included in another CLIN, shall be included in CLIN 4001.

All task order CLINs are combined and considered a single entity for the purpose of administering the cost and performance incentives identified in the IRES PEIP (Contract Attachment J-06).

WAWF email notifications. In accordance with 252.232-7006, the Contractor shall enter the following email addresses in the "Send Additional Email Notifications" field of WAWF once a document is submitted in the system:

CLINs 4001, 4070, 7990: (b)(6)

(b)(4);(b)(6)

### DFAS Payment Instructions

The payment office shall allocate and record the amounts paid to the accounting classification citations in the contract based on the type of payment request submitted (see DFARS 252.232-7006) and the type of effort using the table found at [https://www.acq.osd.mil/dpap/dars/pgi/pgi\\_html/current/PGI204\\_71.htm#payment\\_instructions](https://www.acq.osd.mil/dpap/dars/pgi/pgi_html/current/PGI204_71.htm#payment_instructions).

### LOGO

In accordance with paragraphs (a) and (d) of DFARS 252.232-7007, Limitation of Government's Obligation, the amount presently available and allotted for payment, the contract line item numbers (CLINs) covered, and the period of performance (PoP) it is estimated the allotted amount will cover are as follows:

CLIN	Total (Cost and Profit)	Est. Funding PoP
4001	(b)(4)	5 Jan 2018 – 30 Sept 2019
4070		5 Jan 2018 – 31 Oct 2019
Total		

In accordance with paragraph (j) of DFARS 252.232-7007, the parties contemplate that the Government will allot funds to this contract in accordance with the following schedule:

Date and amount TBD IAW paragraph (c) of DFARS 252.232-7007 of IRES Basic Contract, which states:

(c) Notwithstanding the dates specified in the allotment schedule in paragraph (j) of this clause, the Contractor will notify the Contracting Officer in writing at least thirty (30) days prior to the date when, in the Contractor's best judgment, the work will reach the point at which the total amount payable by the Government, including any cost for termination for convenience, will approximate (b)(4) of the total amount then allotted to the contract for performance of the applicable item(s). The notification will state (1) the estimated date when that point will be reached and (2) an estimate of additional funding, if any, needed to continue performance of applicable line items up to the next scheduled date for allotment of funds identified in paragraph (j) of this clause, or to a mutually agreed

upon substitute date. The notification will also advise the Contracting Officer of the estimated amount of additional funds that will be required for the timely performance of the item(s) funded pursuant to this clause, for a subsequent period as may be specified in the allotment schedule in paragraph (j) of this clause or otherwise agreed to by the parties. If after such notification additional funds are not allotted by the date identified in the Contractor's notification, or by an agreed substitute date, the Contracting Officer will terminate any item(s) for which additional funds have not been allotted, pursuant to the clause of this contract entitled "Termination for Convenience of the Government."

Section I - Contract Clauses

CLAUSES INCORPORATED BY REFERENCE

252.21 1-7003	Item Unique Identification and Valuation	MAR 2016
252.232-7006	Wide Area WorkFlow Payment Instructions	MAY 2013

Section J - List of Documents, Exhibits and Other Attachments

Exhibit/Attachment Table of Contents

DOCUMENT TYPE	DESCRIPTION	PAGES	DATE
Attachment 1	FE&O PWS Rev E	46	06-NOV-2018

Contract: HQ079617D0001

Order: HQ079618F8004



# IRES

Integrated Research & Development for  
Enterprise Solutions

---

Order Number: HQ079618F8004

## Facilities Engineering and Operations (FE&O) Performance Work Statement, Rev E

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Period of Performance:

January 5, 2018 – July 4, 2022

Contract: HQ079617D0001

Order: HQ079618F8004

## ***Change History***

<b>Document Version</b>	<b>Date</b>	<b>Changes</b>
Original	Feb 10, 2017	SOO issued with RFP
Rev A	Sep 1, 2017	<ul style="list-style-type: none"><li>• Removed content prior to the cover page.</li><li>• Added task order number.</li><li>• Added period of performance to the cover page.</li><li>• Added Change History chart.</li><li>• Added CLIN Structure chart.</li><li>• Added language to 11.0 to clarify the effective date of service summary items (due to early start of this task order prior to the end of the transition period).</li><li>• Appended Contractor's Performance Work Statement.</li><li>• Consolidated RFP Attachment L-10 enclosures 2-5 (workload data) into Enclosure 2 – FE&amp;O Workload Data</li></ul>
Rev B	Nov 29, 2017	<ul style="list-style-type: none"><li>• Merged the RFP SOO with the proposed Contractor Performance Work Statement (CPWS) to develop the PWS<ul style="list-style-type: none"><li>○ SOO Section 5.0 deleted; sections following Section 5.0 renumbered.</li></ul></li><li>• CPWS Sections 1.0, 2.0, 3.0 and 4.0 deleted. CPWS Section 5.0 moved to PWS Section 10.0; all paragraphs renumbered. All references to the SOO deleted. All references to Jacobs Team SE&amp;PI Objectives deleted.</li><li>○ SOO Section 4.0 (SSIs) merged with CPWS Section 7.0 (SSIs) into PWS Section 4.0.</li><li>• SOO Section 6.0 (CDRLs) merged with CPWS Section 6.0 (CDRLs) into PWS Section 6.0.</li><li>• Revised PWS Section 10.0:<ul style="list-style-type: none"><li>● 10.3.3.5 – MDIOC Exterior Grounds Maintenance</li></ul></li><li>• Revised CDRLs:<ul style="list-style-type: none"><li>○ Added specific delivery dates to: C012</li></ul></li></ul>
Rev C	Apr 10, 2018	<ul style="list-style-type: none"><li>• Revised Section 5.0 and Table 5.1 by removing references to CDRLs C006, C008, and C009 as these CDRLs' information is captured in CDRLs C010 and C012. As a result, Exhibit C for specific CDRL delivery instructions has also been revised. CDRL C003 has been amended.</li><li>• Changed "4000" to "8004" in Section 5.2;</li><li>• "90 DAC" to "120 DAC" in Section 6.0;</li><li>• "60 DAC" to "150 DAC" in Section 10.1.1.3; "90" to "180" in Section 10.1.1.4; "90" to "220" in 10.1.1.5;</li></ul>

Contract: HQ079617D0001

Order: HQ079618F8004

Document Version	Date	Changes
		<p>“TO 2000” to “TO8002”; “90 DAC” to “As part of IBR” in 10.1.2.1; “90” to “120” in 10.1.2.2, 10.1.6; “30” to “150” in 10.3.1; “Daily” to “Weekly” in 10.3.2.1 “Deliverable” table; “90” to “120” in 10.3.3.2.</p> <ul style="list-style-type: none"><li>• Added paragraph 10.1.2.4.3</li></ul>
Rev D	Sep 21, 2018	<ul style="list-style-type: none"><li>• Added paragraph 10.34 – Test, Measurement, and Diagnostic Equipment (TMDE) Calibration</li></ul>
Rev E	Nov 6, 2018	<ul style="list-style-type: none"><li>• Updated SSIs and Performance Thresholds</li><li>• Appended Excel spreadsheet “FOUO Facility Critical Areas)”(see p. 41), as Enclosure 4</li><li>•</li></ul>

Contract: HQ079617D0001

Order: HQ079618F8004

### ***CLIN Structure***

<b>CLIN</b>	<b>Supplies / Services</b>	<b>Type</b>
4001	Services / Capabilities	FPI
4070	Expensed Property: Non-IT Equip	FPI
7990	Data	NSP
7991	Expensed CAP Delivery	NSP

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## Enclosures

Enclosure 1 – Exhibit C, FEO CDRLs

Enclosure 2 – FEO Workload Data

Enclosure 3 – TMDE List

Enclosure 4 – FOUO Facility Critical Areas

## ***Facilities Engineering and Operations (FE&O)***

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### **1.0 Vision and Purpose Statement**

#### **1.1 Vision**

Engineer, operate, and maintain an efficient, cost effective facility infrastructure in support of Missile Defense Agency (MDA) elements / components and designated Combatant Commanders' Ballistic Missile Defense System (BMDS) operations executing missions at the Missile Defense Integration and Operations Center (MDIOC). The overall goal of FE&O task order is to provide a reliable infrastructure supporting mission-critical BMD activities as well as a clean, safe, and environmentally responsible infrastructure that leverages state-of-the-art technologies in a cost effective manner. Innovative solutions are desired, but not at the expense of mission success.

#### **1.2 Purpose**

In support of the MDA's mission of Research, Development, Test, and Evaluation (RDT&E) for BMDS elements and components, MDIOC Facilities Management (MDA/ICM/DPF) is responsible for ensuring infrastructure systems are maintained and managed in optimum condition. The objective of the FE&O Task Order is to procure efficient and effective facilities engineering, operations, and maintenance at the MDIOC.

### **2.0 Background**

Task orders issued on the JRDC that are considered predecessor task orders to this SOO include:

- 8003, Facility Support (excluding Tasks B.4, B.5.1, B.5.2)
- 6003, Facility Support (excluding Tasks B.1 through B.7, and B.9)
- 5003, Facility Support (excluding Tasks H5.1 through H5.6)
- 4003, Facilities (excluding Tasks except Tasks 36 through 78)
- 3003, Facilities (excluding Tasks except Tasks 36 through 78)
- 2003, Infrastructure (excluding Tasks 36 through 78)
- 1003, JNIC Infrastructure (excluding Tasks 36 through 78)

MDA has a continuing need for the research, development, test, evaluation, and integration of BMDS components. These activities are generally conducted within the MDIOC mission execution platform and they leverage a common enterprise communications and IT capability to simultaneously conduct BMDS testing, warfighter training, and Operations support for multiple MDA directorates and Combatant Command (CCMD) requirement owners. Facility infrastructure systems are operated, maintained, and sustained in a coordinated and synchronized manner to reduce impact and risk to Operational and RDT&E missions.

Contract: HQ079617D0001

Order: HQ079618F8004

As a strategic asset, the MDIOC is a secure, multi-purpose and highly reconfigurable research, test, and operations complex comprised of two separate facilities (Buildings 720 and 730). There are approximately 2,200 military, government, and contractor personnel that are permanently assigned to the MDIOC. The MDIOC resides within a 50<sup>th</sup> Space Wing (50SW) restricted area on Schriever Air Force Base, CO.

Building 720 is the MDIOC research and operations complex. It is a ~580,000 square-foot facility that includes numerous element-level laboratories, special access programs, test centers, conferencing facilities and operational capabilities supported by a highly reliable facility, communications, and IT infrastructure. The complex has an 8,575 square-foot presentation center, a 19,880 square-foot data center, and an 11,060 square-foot main communications hub. Building 720's open-span architecture allows for rapid reconfiguration of work areas, information technology, and communications resources via an accessible between-floor central cable chase, and modular configuration of workspaces.

Building 730 is the MDIOC consolidated support facility (CSF). It is a ~96,000 square foot facility that provides administrative office space, conferencing facilities, an international events center, and food service (dining facility) operations. Building 730 connects to building 720 through the main entrance lobby and the basement.

### **3.0 Scope**

The Contractor, as an independent entity and not an agent or employee of the Government, shall furnish to the Government all necessary labor, services, and materials (except as specified by the Government) required to engineer, operate, maintain, repair, and sustain the facilities, equipment, and infrastructure systems at the MDIOC and other MDA activities operating in Colorado Springs.

### **4.0 Service Summary Items**

In accordance with the IRES Performance Evaluation and Incentive Plan, Service Summary Items (SSIs) 1 through 4 are common [required] on all task orders and will be assessed at the contract level (i.e., all task orders will receive the same rating – one fail all fail model).

SSI 5 (through *n*) [Technical Performance] captures the specific task order Service Summary Items deemed essential to successful execution of the task order (note: The Technical Performance SSIs are to be developed / defined using the performance measures proposed by the contractor). Exhibit 1 defines the SSIs applicable to this task order.

Contract: HQ079617D0001  
Order: HQ079618F8004

***Exhibit 1. SSIs and Weights Applicable to This Task Order [All SSIs are effective on March 5, 2018]***

SSI #	Title	Description	Performance Threshold UNACCEPTABLE	Performance Threshold ACCEPTABLE	Performance Threshold OBJECTIVE	Weight	Assessment Method
SSI 1	(b)(4)						
SSI2							
SSI3							
SSI4							
SSI5							

Contract: HQ079617D0001  
Order: HQ079618F8004

SSI #	Title	Description	Performance Threshold UNACCEPTABLE	Performance Threshold ACCEPTABLE	Performance Threshold OBJECTIVE	Weight	Assessment Method
SSI6	(b)(4)						
SSI7							
SSI8							
SSI9							
SSI 10							
SSI 11							

Contract: HQ079617D0001

Order: HQ079618F8004

## 5.0 Deliverables

The point of delivery for all CDRL products, except the IPMR, is the MDA E-CaRT system. The Contractor shall deliver all such products by saving and profiling them in E-CaRT, with the appropriate notification of delivery letter transmitted electronically to the Government's Data Management Office. The point of delivery for the IPMR is the DCARC Earned value Central Repository. CDRLs C006, C008 and C009 were deleted as information associated with CDRL C006 is captured in CDRL C010, and with CDRLs C008 and C009 – included in CDRL C012. Reference Exhibit C for specific CDRL delivery instructions.

### 5.1 CDRL Identification

Task	CDRL	DID	Title	Description
10.1.2.2	C001	DI-MGMT-81861/T	HQ0796-18-F-8004: Integrated Program Management Report	The IPMR contains data for measuring cost and schedule performance. The IPMR is structured around seven formats that contain the content and relationships required for the electronic submissions. Required formats: 1, 2 and 5.
10.1.2.2	C003	DI-MISC-80508B/T	HQ0796-18-F-8004: Task Order Status Report, [month ending]	Monthly report consisting of task progress status, financial status, issues, concerns and risks to be delivered monthly.
10.2.1	C004	DI-MISC-80508B/T	MDIOC Unified Facilities Guide Specification	Identifies requirements, standards, guidance and criteria for all facility improvements and modifications. The specification shall encapsulate the full range of MDIOC infrastructure systems. The Standard shall include but not be limited to: structural, architectural, cable conveyance, cabling (non-power), electrical, mechanical standards; to be delivered annually.
10.2.1	C005	DI-MISC-80508B/T	MDIOC Fire Suppression and Detection System Description	Discrete system description that detail functions, architectures, and capabilities of the MDIOC Fire Suppression and Detection System.
10.2.1	C007	DI-MISC-80508B/T	MDIOC Electrical Power Distribution System Description	Discrete system descriptions that detail functions, architectures, and capabilities of the MDIOC Electrical Power Distribution System.
10.2.1	C010	DI-MISC-80508B/T	MDIOC Plumbing System Description	Discrete system descriptions that detail functions, architectures, and capabilities of the MDIOC Plumbing System.
10.2.1	C011	DI-MISC-80508B/T	MDIOC Roof System Description	Discrete system descriptions that detail functions, architectures, and capabilities of the MDIOC Roof System.
10.2.1	C012	DI-MISC-80508B/T	MDIOCHVAC System Description	Discrete system descriptions that detail functions, architectures, and capabilities of the MDIOC HVAC System.
10.2.1	C013	DI-MISC-80508B/T	MDIOC Facility Support Sustainment Plan	Detailed list of work required to maintain/sustain the MDIOC infrastructure for the future five year period.

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Task	CDRL	DID	Title	Description
10.2.2	C014	DI-MISC-80508B/T	MDIOC Facility and System Drawings, Schedules, and Data	Detailed and accurate facility layouts, system drawings, and power panel schedules to be delivered five times annually.
10.3.2.2.1	C015	DI-SESS-81315B	Failure Analysis and Corrective Action Report: [insert report number: ] [insert system]	Describes system degradation/failure, timelines, impacts root cause, and corrective action. Initial notification within 30 minutes of incident. Situational awareness updates hourly with full report due within 24 hours.
10.1.2.2	C016	DI-MISC-80508B/T	Tenant Cost Report	Cost data associated with services provided to Non-MDA tenants; delivered quarterly

## 5.2 CDRL Tailoring

Reference Task Order 8004 Exhibit C (Enclosure 1).

## 6.0 Milestones

Task	Activity	Date / Days After Contract DAC)
10.1.2.2	Integrated Baseline Review	120 DAC
10.3.1	Daily Status Report	M-F, 0600MST

Note: DAC = Days after task order period of performance start date

## 7.0 Government Property (GP) / Government Furnished Information (GFI)

In addition to the GP / GFI identified in the IRES Contract SOO, paragraph 6.0, the following is applicable to this task order:

- CMDB/Remedy assets associated with this task order
- MDA approved SW List 20151207 (Bidders' Library)
- Enclosure 2a: MDIOC Facilities RPIE List
- Enclosure 2b: MDIOC Facilities Equipment List
- Enclosure 2c: MDIOC Preventative Maintenance Schedule
- Enclosure 2d: MDIOC Bench Stock

## 8.0 Special Requirements

In addition to the Special Requirements identified in the IRES Contract SOO, paragraph 7.0, the following is applicable to this task order: The MDIOC infrastructure systems such as the electrical and mechanical systems are controlled and monitored under a Facility Infrastructure Local Area Network with restricted access.

## 9.0 Applicable Directives / Regulations

In addition to the directives and regulations identified in RFP Attachment J7, the following are applicable to this task order:

- 50 SWI 32-2001, Fire Protection and Prevention Program

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- 50th Space Wing Host Tenant Support Agreement, FB2502-14110-0221, 20 Apr 2014
- 50 SWI 32-701, Hazardous and Universal Waste Management
- Affirmative Procurement Plan, Schriever AFB
- Facility Support Sustainment Plan (FSSP)
- MDIOC Unified Facilities Guide Specification (MUFGS) and Facility Excellence Plan
- MDIOC Electrical Power Distribution System Description Document
- MDIOC Fire Detection and Alarm System Description Document
- MDIOC Fire Suppression System Description Document
- MDIOC Heating, Ventilation, and Air Conditioning System Description
- MDIOC Plumbing System Description
- MDIOC Roof System Description Document

## 10.0 Performance Requirements

This PWS establishes the support services the contractor will perform to include the specific requirements and standards of performance for this Fixed Price Incentive (Firm Target) TO. The PWS requirements were developed in accordance with the FE&O TO SOO outcomes, thresholds, desired attributes, and constraints. The PWS requirements are designed to ensure the contractor achieves the Government's prescribed outcomes and executes work within the constraints. Performance thresholds are designed to exceed the FE&O TO thresholds and to ensure delivery of the attributes MDA desires for its IRES contractor. Critical performance thresholds must be met to receive a Quality Performance Index (QPI) score greater than Unacceptable within each of the contractor's proposed Service Summary Items (SSI). Critical performance thresholds are identified as "KEY" and are highlighted in **BOLD** within the PWS Performance Measurement tables. The PWS has been structured to include:

- An alignment of the contractor's success with the Government's mission success (e.g., reliability and availability of MDIOC facilities to support BMDS testing)
- A definition of the work in terms of results (e.g., IRES FE&O TO outcomes)
- A definition of appropriate measurable performance thresholds and a methodology for surveillance
- Identification of critical performance thresholds that must be met to score greater than Unacceptable
- Identification of the deliverables and milestones associated with successful TO execution. Each PWS paragraph references the required deliverables, initial delivery date, and frequency of delivery
- A mapping of performance thresholds by PWS element to the contractor's proposed Service Summary Items (SSI)

Figure 3n-2 identifies the surveillance methodologies that will be used to indicate quality and completion of PWS requirements. Each PWS paragraph references the appropriate surveillance methodologies. Note: Deliverables and PWS Performance Measurement data are identified at the lowest level of the PWS.

**Figure 3n-2 FE&O Surveillance Methodology**

<b>ID</b>	<b>Surveillance Method</b>	<b>Surveillance Approach</b>
A	Direct Observation	The contractor's Asset Management Department leadership team shall periodically perform direct observation of FE&O activities based on frequency specified in the PWS.
B	Jacobs Enterprise Management System (JEMS) Portal	The JEMS Portal shall be used for general surveillance and be supplemented by periodic inspections. JEMS Portal dashboards and reports shall be used to evaluate outputs such as TO cost and schedule performance.
C	Periodic Inspection	The contractor's Mission Assurance Office (MAO) shall perform comprehensive evaluation of selected outputs. Inspections shall be scheduled quarterly unless otherwise specified in the PWS.
D	User/Customer Survey	The contractor shall solicit user/customer feedback through the use of random and targeted surveys. Negative results of the customer survey may generate required periodic and 100% inspections at the discretion of the contractor or Government.
E	Validated User/Customer Complaints in Maximo	Maximo shall be used to capture user/customer identified deficiencies. All complaints shall be investigated and validated, and actions shall be taken to mitigate concerns.
F	100% Inspection	A 100% inspection shall be performed on all CDRLs, as well as configuration management and corrective maintenance activities on MDIOC critical systems.
G	Periodic Sampling	Periodic sampling shall be performed as a follow-up to JEMS and/or Maximo analysis. Periodic sampling shall only be performed when a deficiency is suspected. Sample results are applicable only for the specific work inspected.
H	Random Sampling	Random sampling shall be performed for large quantity repetitive activities (e.g., Preventive Maintenance [PM]) with objective and measurable quality attributes.

## 10.1 Systems Engineering and Program Integration

The contractor shall perform all management functions required to ensure proactive and sustained operational excellence in providing accurate, safe, secure, timely, and efficient facility engineering, operation, and maintenance support to meet the Government's objectives.

### 10.1.1 Asset Management Leadership

This section of the PWS identifies major elements the contractor shall deliver as part of the contractor's Asset Management Program. The contractor shall deliver experienced asset management leadership, perform an Asset Management Program Assessment (AMPA), use the results of the AMPA to deliver an Asset Management Plan (AMP), make full utilization of the MDIOC CMMS, and deliver an Integrated Strategic Planning Process (ISPP) to adapt its AMP to changing priorities and requirements.

#### 10.1.1.1 Asset Management Department Management

The contractor shall designate a responsible official, to be located at the MDIOC, with responsibility overseeing the implementation of the contractor's Asset Management Program. The contractor's responsible official shall hold a Certified Maintenance and Reliability Professional (CMRP) certification. The contractor shall ensure resources are efficiently and effectively managed (including Government-furnished resources) and TO status is reported to Government representatives as required. The contractor shall establish weekly meetings to discuss and clearly define objectives, schedules, metrics, and performance issues related to the

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FE&O TO. The contractor's leadership team shall utilize Maximo for scheduling, approving, monitoring, and reporting IRES FE&O activities. The contractor shall regularly seek feedback from the technical workforce to maintain awareness of potential performance improvement recommendations or operational issues.

Deliverables		
Deliverable	Initial Delivery	Frequency
None	N/A	N/A

PWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
(b)(4)			

#### 10.1.1.2 Asset Management Program Assessment

The contractor will perform an AMPA during the IRES transition to evaluate the state of the existing MDIOC maintenance program. The assessment will identify trouble areas, cost savings opportunities, and efficiency innovations that can be implemented during execution of the FE&O TO. The AMPA is an activity of the IRES Transition TO.

The contractor shall reassess its Asset Management Program by the end of CY4. The assessment shall include benchmarking Government and industry leaders, regular exchange of best practices with other Jacobs groups, and participation with the Jacobs Network of Engineering and Technical Subject Matter Experts (JNETS) asset management experts. The contractor shall provide a report summarizing the results of the assessment to the FE&O Contracting Officer's Technical Representative (COTR) no later than 30 days following the assessment.

Deliverables		
Deliverable	Initial Delivery	Frequency
Asset Management Program Assessment	End of IRES transition	Once
Follow-up Asset Management Program Assessment	End of CY4	Once

PWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
(b)(4)			

#### 10.1.1.3 Asset Management Plan

Following completion of the AMPA, the contractor shall deliver an AMP detailing approaches for criticality assessment, validation of the MDIOC asset hierarchy, utilization of Maximo data, work management, and Predictive Maintenance (PdM) technology usage. The contractor's AMP shall be developed in accordance with ISO 55000, Standard for Asset Management of Facilities. The AMP shall include goals, roles and responsibilities, methods and tools to be utilized, best practices to be implemented, Key Performance Indicators (KPI), and deliverables. The contractor shall integrate the tenants of its Value+™ program into the AMP. The contractor

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shall employ its Value+™ program to evaluate and improve FE&O performance based on KPI defined in the contractor's AMP. The contractor's AMP shall also identify reachback intervals to the contractor's JNETS asset management experts to assess and suggest areas for improvement to the AMP. The AMP shall be delivered to the Government within 150 days following TO initiation.

Deliverables		
Deliverable	Initial Delivery	Frequency
Asset Management Plan	150 DAC	Annual Revision

PWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
(b)(4)			

#### 10.1.1.4 Fully Utilized Computerized Maintenance Management System

To maximize the Government's return on investment for the Maximo suite and ensure integration of FE&O activities, the contractor shall make use of all out-of-the box modules that provide benefit to the Government. In addition to the modules in use today, the contractor shall deploy:

- *Assignment Manager* – Shall be used to view and schedule available resources
- *Calendar Module* – Shall be used to integrate maintenance and operations resource schedules
- *Workflows* – Shall be used to route work orders through work management and approval processes
- *Escalation* – Shall be used to notify customers and stakeholders of the status of their work order
- *Business Intelligence Reporting Tool* – Shall be used for customized reporting for business analytics
- *Query Based Reports* – Shall be used to provide end users the capability to create custom reports
- *Maximo Integrated Framework* – Shall be used to import data from Remedy systems using Maximo's business rules

The referenced Maximo modules shall be implemented within 180 days of initiation of the FE&O TO. The contractor shall populate Maximo with additional asset information to include critical spares, manuals, manufacturer's specifications, and warranties. Capturing additional asset information is critical for asset management decision making and provides a repository of maintenance data for forecasting and trend analysis. The contractor shall integrate IBM Cognos Reporting and Maximo to perform an analysis of data in Maximo and collaborate with its JNETS to analyze the data to better understand trends and identify opportunities to improve the accuracy of data captured. Analysis of Maximo data and collaboration with the contractor's JNETS shall be completed annually. Additionally, the contractor shall use IBM Cognos Reporting software

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to analyze CMMS data, as well as classify and prioritize facility asset repairs and replacements identified within the Facility Support and Sustainment Plan (CDRL C013).

Deliverables		
Deliverable	Initial Delivery	Frequency
Implement additional Maximo Modules	180 DAC	Once
CMMS Data Analysis	End of CY1	Annually

PWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
Additional modules are implemented in Maximo within 90 days of (b)(4)	A	Maximo	10
<u>KEY</u> – >90% accuracy and completeness of CMMS data	G, H	IBM Cognos, Maximo	10

#### 10.1.1.5 Integrated Strategic Planning Process

The contractor shall employ an ISPP to evaluate MDIOC facility capabilities and system status against MDA customer and stakeholder needs. As part of the ISPP, the contractor's Asset Management Department leadership shall convene annually to consider gaps between requirements and current capabilities, proposed solutions (considering viable alternatives and trade studies), assessment of workforce capacity, and planning and scoping specific project/maintenance plans to close gaps in current capability of asset condition. Following the ISPP meeting, the contractor shall provide important decision making information regarding construction of facilities, recapitalization, and replacement of obsolete items projects to MDA. This information shall be captured as an update to the Facility Support and Sustainment Plan (CDRL C013) for investments and financial planning. Additionally, the contractor shall use the ISPP to identify skills needed, along with the appropriate training and certifications, for the development of the contractor's asset management workforce.

Prior to initiating the ISPP, the contractor shall use IBM Cognos Reporting software to analyze CMMS data and identify improvement areas for the collective MDIOC assets monitored. This data will provide insight and direction for the ISPP. At a minimum, the ISPP shall include the MDA FE&O COTR, relevant MDA customers and stakeholders, as well as the contractor's Asset Management Department Director, Life Cycle Engineering Group Manager, Lead Facility Systems Engineer, and Facility Operations & Maintenance Group Manager.

Deliverables		
Deliverable	Initial Delivery	Frequency
Integrated Strategic Planning Process	220 DAC	Annually

PWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
Results of the ISPP are incorporated into an update to CDRL 013, Facility Support and Sustainment Plan and delivered to the COTR per CDRL 013 requirements	D	E-CaRT	9

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		Team	
(b)(4)			
		Minutes	

### 10.1.2 Task Order Administration

The contractor shall successfully integrate and coordinate all activities needed to execute the requirements of this PWS and the FE&O TO. The contractor shall manage the timeliness, completeness, and quality of TO administration deliverables. The contractor shall provide corrective action plans, proposal submittals, timely identification of issues, and effective management of subcontractors.

#### 10.1.2.1 Task Order Management

The contractor shall provide a single POC responsible for managing the cost, schedule, risk, and technical performance of the FE&O TO. The contractor's POC shall serve as the liaison to the COTR or Assistant COTR (ACOTR), providing insight on TO performance. The FE&O IMS shall be integrated into the contractor's IRES Integrated Schedule (IIS). To provide effective and efficient TO management and integration across the IRES contract, the contractor shall manage TO activities in accordance with the IRES Program Management Plan (CDRL TO8002 C008).

The contractor shall procure all hardware and software required for the execution of the FE&O TO. FE&O procurements shall comply with the Trade Act Agreement. As part of the contractor's JNETS, the contractor shall use Preferred Partners, where applicable, to obtain the best value for MDA investment dollars and ensure that suppliers perform in accordance with contract terms and conditions. The contractor shall leverage small businesses in the execution of the FE&O TO in order to achieve the contractor's Small Business Participation and Commitment Plan goals.

Deliverables		
Deliverable	Initial Delivery	Frequency
FE&O Integrated Master Schedule	As part of IBR	As Required

PWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
(b)(4)			

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### 10.1.2.2 Task Order Reporting

The contractor shall conduct an Integrated Baseline Review of the FE&O TO within 120 days of TO award. The contractor shall deliver an IPMR and TO status report for the FE&O TO. TO status (e.g., technical, cost, schedule) shall be reported to the COTR on a monthly basis. To provide a streamlined mechanism for status reporting, the contractor shall provide MDA customers and stakeholders with on-demand access to a TO status report dashboard through the contractor's JEMS Portal. The TO status report shall include:

- Cost and schedule performance by WBS and IRES organization structure
- Significant accomplishments
- Customer concerns or issues
- TO risks and status of identified mitigation strategy
- Performance against the IRES contract, SE&PI, and FE&O SSIs
- Earned Value Management (EVM) reports
- Achievements relative to the utilization goals in the contractor's Small Business Participation and Commitment Plan
- Quality assurance reviews, audit results, and non-conformance finding closure reports
- Safety information

The contractor shall record and provide quarterly Tenant Cost reports for JFCC-IMD and OTA, to include but not limited to, work charged, individual labor categories, rates, hours invoiced, cost breakdown of Other Direct Costs (ODC), cost breakdown of materials, cost breakdown of travel expenses, and taxes incurred. The contractor shall maintain the Tenant Cost records throughout the FE&O TO period of performance.

Deliverables		
Deliverable	Initial Delivery	Frequency
FE&O TO Baseline Review	120 DAC	Once
CDRL C001: Integrated Program Management Report	Per CDRL	Per CDRL
CDRL C003: Task Order Status Report	Per CDRL	Per CDRL
CDRL C016: Tenant Cost Report	Per CDRL	Per CDRL

PWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
(b)(4)			

### 10.1.2.3 Performance Management

The contractor shall track, identify, and share TO performance trends with the COTR, ACOTR, MDA/ICME, and MDA/DPF. Performance data shall be tracked and consolidated within the contractor's JEMS Portal. The contractor's Performance Management Office (PMO) shall perform periodic audits of task estimates, track TO risks, and evaluate schedule accuracy based

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on TO performance trends. The contractor shall manage all TO CDRLs to ensure timely delivery and accuracy of information. The contractor shall survey TO customers to measure their satisfaction of services and products delivered in this TO. The contractor shall employ its Value+™ program to evaluate and improve TO performance based on TO KPIs and SSIs. The contractor shall collect and share TO lessons learned, best practices, and accomplishments with the COTR, ACOTR, ICME, DPF, and IRES workforce.

Deliverables			
Deliverable	Initial Delivery	Frequency	
Project Management Reviews	30 DAC	Weekly	
PWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
(b)(4)			

#### 10.1.2.4 Task Order Award and Modification

10.1.2.4.1 PWS Revision A: no proposal costs incurred.

10.1.2.4.2 PWS Revision B: no proposal costs incurred. Addressed requirements that developed since development / release of the IRES RFP.

10.1.2.4.3 The contractor shall provide the resources and data to provide timely and accurate proposals to government requirements for proposal and other contract modification actions.

#### 10.1.3 Systems Engineering

The contractor shall perform TO systems engineering tasks in accordance with the IRES Program System Engineering Master Plan (CDRL TO8002 C005).

- *Requirements Management* – The contractor shall identify, manage, verify, and validate requirements in accordance with the contractor’s IRES Systems Engineering Master Plan. The contractor shall incorporate best practices contained in Chapter 4 of the Defense Acquisition Guidebook and the International Council on Systems Engineering (INCOSE) Handbook into the contractor’s Systems Engineering Master Plan and requirements management methodology. The contractor shall identify, manage, verify, and validate cybersecurity requirements in the same manner as all other program requirements. The contractor shall protect MDA-identified Critical Program Information (CPI) and Critical Technologies (CT) to the standards required in DoDI 5200.39
- *Systems Integration* – The contractor shall participate in IRES-wide system integration activities to identify gaps, share lessons learned, and develop and promote a common MDIOC vision
- *Enterprise Architecture* – The contractor shall perform TO activities that support MDA “to-be” architectures. The contractor shall participate in IRES-wide enterprise architecture activities to identify gaps, share lessons learned, and develop and promote a common enterprise architecture vision

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- **De-Confliction of Critical Assets** – The contractor shall manage critical assets to include conflict forecasting and de-confliction. The contractor shall participate in IRES-level de-confliction processes

Deliverables		
Deliverable	Initial Delivery	Frequency
None	N/A	N/A

PWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
(b)(4)			

#### 10.1.4 Mission Assurance

The contractor shall perform FE&O TO activities in accordance with MDA-QA-001-MAP, *Missile Defense Agency Assurance Provisions*.

- **Configuration Management** – The contractor shall perform TO configuration management in accordance with the IRES Configuration Management Plan (CDRL TO8002 C022). The contractor shall participate in IRES-wide configuration management activities to identify configuration management gaps, share lessons learned, and develop and promote a common configuration management vision.
- **Risk Management** – The contractor shall perform TO risk management in accordance with the IRES Risk Management Plan (CDRL TO8002 C021). The contractor shall participate in IRES-wide risk management activities to identify risk management gaps, share lessons learned, and develop and promote a common risk management vision.
- **Cybersecurity** – The contractor shall perform FE&O TO requirements in accordance with the Cybersecurity Risk Management Plan (CDRL TO8002 C016). The contractor shall participate in IRES-wide cybersecurity activities to identify gaps, share lessons learned, and develop and promote a common cybersecurity vision. The contractor shall establish measures to safeguard and protect Controlled Unclassified Information from unauthorized access, disclosure, incident, or compromise. The contractor shall provide support, source data, and analysis required to support receipt of system authorization in accordance with DoDI 8510.01, *Risk Management Framework*. The contractor shall integrate cybersecurity considerations into TO systems engineering, design, and risk management processes. The contractor shall operate CMMS and building automation and control software in accordance with cybersecurity requirements.

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- **Quality Assurance** – The contractor shall perform TO activities in accordance with the Quality Assurance Program Plan (CDRL TO8002 C020). The contractor shall perform periodic inspections as described in the PWS surveillance methodology to ensure consistent achievement of performance thresholds.
- **Supply Chain Risk Management (SCRM)** – The contractor shall develop a supply chain map and authorized suppliers list for critical systems. The contractor shall protect TO supplies purchased in accordance with the IRES Supply Chain Risk Management Plan. The contractor shall participate in IRES-wide SCRM activities to identify SCRM gaps, share lessons learned, and develop and promote a common SCRM vision. The contractor shall participate in IRES-wide SCRM training and improvement activities.

Deliverables			
Deliverable	Initial Delivery	Frequency	
Inputs to Supply Chain Map	90 DAC	Once	
Inputs to Authorized Supplier List	IRES Transition	Annual	

PWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
(b)(4)			

#### 10.1.5 Workforce Development

The contractor shall recruit and hire qualified personnel and manage personnel issues to perform TO activities. The contractor shall manage the workforce efficiently, mitigate workforce surge and drawdown impacts, analyze workforce trends, and forecast workforce needs IRES-wide. The contractor shall maintain a qualified workforce able to perform the functions necessary to operate, support, and sustain MDIOC facilities and systems. The contractor's Asset Management leadership team shall be CMRP-certified. All of the contractor's technical technicians shall receive Certified Maintenance and Reliability Technician (CMRT) Training. At least 75% of the contractor's technicians shall achieve certification. To maximize the use of Maximo and ensure accuracy of data for effective systems analytics, the contractor shall provide all of its technicians with Maximo training. The contractor shall use a knowledge-based training program to educate technicians on the use and how to interpret the results of PdM technologies. To emphasize customer service across its Asset Management Department, the contractor shall deliver three levels of Advanced Customer Service Training: Basic, Steward, and Master. Advanced Customer Service Training shall be provided to all Facility Operations & Maintenance Group and Integrated Work Control Center (IWCC) employees.

Deliverables		
Deliverable	Initial Delivery	Frequency

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CMRP Certification	End of CY1	Once
CMRT Training/Certification	End of CY3	Once
CMMS Training	End of CY1	Once
PdM Training	End of CY2	Once
Advanced Customer Service Training	End of CY2	Once

PWS			

#### 10.1.6 Safety and Environmental Stewardship

The contractor shall promote a safe work environment and perform TO activities in accordance with the Mishap Prevention and Safety Plan (CDRL TO8002 C024). The contractor shall perform TO activities in accordance with the Environmental Program Plan (CDRL TO8002 C023).

The contractor shall implement its BeyondZero<sup>®</sup> program. The contractor shall baseline the current JRDC Safety Program during transition and then rollout its BeyondZero<sup>®</sup> program to all IRES employees during CY1. The program shall include a combination of processes for safe operations, a plan for communications with employees, and a commitment from the contractor's leadership. The contractor shall ensure that all employees are aware of, and fully understand, any potential hazards posed by activities to be performed. The contractor shall perform workplace analyses to systematically identify and mitigate hazards, develop safe procedures, identify exposure to hazardous materials or wastes, determine employee training and certification needs, and identify Personal Protective Equipment (PPE). The contractor shall utilize hazard analyses to identify facility, system, and project level hazards. Failure Modes, Effects, and Criticality Analyses (FMECA) shall be used throughout all of the contractor's processes and shall incorporate risk mitigation methods that prevent incident or injury. The contractor shall identify PPE and potential safety hazards relating to MDIOC facilities and equipment. This information shall be documented in tailored Job Hazard Analyses. IAW with the program set forth in TO8002 and the MDIOC Mishap Prevention and Safety Plan, the contractor shall inspect work areas for safe and healthy operating and working environments annually and provide a Safety Report which will include, but is not limited to, the type of hazard found, hazard mitigation, a hazard mitigation timeline, and mission impacts to the Government Facility Manager (FM) or COTR. The contractor shall manage and track TO chemical inventory and hazardous material usage to support the Chemical Inventory and Hazardous Material Usage Report (CDRL TO8002 C007). The contractor shall report accidents and incidents within 72 hours of occurrence and submit daily status updates (if required) until the incident is closed.

To provide safe and healthy operating and working environments, the contractor shall implement its Sort, Set in Order, Shine, Standardize, and Sustain (5S) program. The contractor shall provide 5S training for Facility Operations & Maintenance Group personnel. The contractor shall sort working areas, set in order the workplace, clean the workspace, standardize procedures

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and housekeeping culture, and maintain these standards. A minimum of two 5S activities shall be completed each year.

Deliverables		
Deliverable	Initial Delivery	Frequency
Tailored Job Hazard Analyses	As Required	As Required
5S Training	End of CY2	Once
5S Activities	End of CY3	Semi-Annual

PWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
(b)(4)			

#### 10.1.7 Property Management and Accountability

The contractor shall maintain traceability of Real Property and Installed Equipment (RPIE) and other property controlled items. The contractor shall track and manage Government Equipment (GE) in accordance with the IRES Property Management Plan. The contractor shall notify and coordinate the repair and test of GE items as required to support this TO. The contractor shall notify the Accountable Property Officer (APO) prior to disposal of all property. All property shall be disposed of in accordance with MDA 4161.01, Property Accountability and Reporting. The contractor shall salvage precious metals in accordance with the DoD Precious Metals Recovery Program.



PWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
(b)(4)			

#### 10.1. Security

The contractor shall provide security administration to comply with applicable DoD, MDA, and local security directives, policies, procedures (b)(4) instructions in the safeguarding of BMDS controlled and classified information, to include proper document marking, classification, storage, accountability, transmittal, and destruction. The Contractor shall manage TO export control to comply with DoD and MDA requirements, including International Traffic in Arms

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Regulations (ITAR) (22 CFR 120-130) and Technical Assistance Agreements processes as required. The contractor shall ensure that any individual requiring access to Government information technology systems completes Information Assurance Awareness training. The contractor shall ensure that personnel requiring privileged access obtain appropriate computing environment certifications for the operating system(s) and/or security related tools/devices they support or operate. The contractor shall ensure that personnel performing information assurance functions on national security systems meet the Committee on National Security Systems training requirements. The contractor shall protect CPI and CT in accordance with DoDI 5200.39, *Critical Program Information (CPI) Protection within the DoD*.

Deliverables			
Deliverable	Initial Delivery	Frequency	
None	N/A	N/A	

PWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
(b)(4)			

## 10.2 Life Cycle Engineering

The contractor shall provide all engineering labor, materials, and documentation – except that specified as Government furnished – necessary to ensure proper design, upgrade, operations, and maintenance of all MDIOC facilities and systems. Facilities engineering expertise is necessary to optimize MDIOC system reliability and availability in a cost-effective manner and to meet existing and/or changing mission needs of MDA and stakeholders through all phases of the facility life cycle. Services are to include design, field consultation, recommendations, analysis, oversight, and guidance during planning and repair work in progress, cost estimating, configuration management, Computer-Aided Design (CAD) drawings, and specification development for recurring maintenance repair and collateral equipment replacement. All work performed by the contractor shall comply with the latest manuals; industry standards; Unified Facilities Criteria (UFC); Federal, state, and local directives, codes, laws, and guidelines; and other applicable directives, instructions, policies, and regulations. Demarcation of facility systems and mission systems shall be designated by the Government.

### 10.2.1 Facility Systems Engineering

The contractor shall maintain authoritative knowledge of assigned MDIOC systems, including familiarity with system physical layouts, drawings, pertinent analyses, and records. The contractor shall fully understand the operations and maintenance of the assigned system, recommending changes and upgrades to the system as needed. Facility systems and mission systems will be designated by the Government.

- **Requirements Management** – The contractor shall use a four-step Requirements Decomposition Process to define and document facility and system requirements. The process

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shall include: (1) stakeholder expectations definition, (2) technical requirements analysis, (3) requirements allocation, and (4) requirements management. The contractor shall define the appropriate level of change control for the high-level and then lower-level requirements. The contractor shall define the verification methodologies and criteria for each requirement and then tie each one to a specific verification procedure. The contractor shall use DOORS to aid in decomposing, tracking, and verifying requirements.

- *MDIOC Unified Facilities Guide Specification* – The contractor shall define and document requirements, standards, and criteria for MDIOC facility modifications and improvements. This document shall specify, at a minimum, design requirement standards, review procedures, facility infrastructure considerations, and approval methodology. The MUFGS shall include discussion and standards to address facility monitoring, preventive and corrective maintenance schedules, and reliability metrics for all modified or improved facilities. The MUFGS shall also include a listing of MDA and contractor standard operating procedures and work instructions for MDIOC facilities, equipment, and operations related to facility modifications. Each year, the contractor shall compare the current MUFGS to planned facility modification and improvements and ensure the requirements, standards, and criteria are complete and accurate to standardize the planned activities.
- *System Description Documentation* – The contractor shall inspect existing equipment, drawings, and specifications for currently installed MDIOC critical, non-critical, and facility systems. The contractor shall develop discrete system descriptions for each, which fully document all known functions for the system, including the criticality of each function. The contractor shall physically inspect and review existing drawings, and review existing specification of the following systems: fire suppression and detection system, water and waste system, electrical power distribution system, steam system, chilled water system, plumbing system, roof system, and HVAC system. After inspection, the contractor shall verify that the existing drawings and specifications align with physical installations. Any differences in the drawings and specifications from the physical installation shall warrant the modification of the drawings and specifications for each system. The contractor shall ensure system architecture is under configuration control, fully documented in existing system description documents, and up-to-date in Maximo. The contractor shall ensure the system description documents clearly indicate the expected lifetime of the system and significant subsystems. Each year, the contractor shall compare the current system description documents to planned facility modification and improvements and ensure the requirements, standards, and criteria are complete and accurate to standardize the planned activities.
- *Sustainment Engineering* – The contractor shall utilize its annual ISPP to review and update the Facility Support and Sustainment Plan (CDRL C013). The contractor shall utilize BUILDER Sustainment Management System (SMS) and other data to identify and plan facility sustainment activities, factoring in the asset condition (i.e., health) as defined by maintenance monitoring activities. The contractor shall conduct a three-day training session on identifying critical systems, performing condition assessments, and developing action plans. As part of this training session, the contractor's JNETS asset management experts shall perform a sample condition assessment on one of the most critical systems to MDA, such as the MDIOC electrical power distribution system or HVAC system. In collaboration with its JNETS maintenance team, the contractor shall perform Facility Power and HVAC Facility Condition Assessments (FCA) to evaluate the state of these critical systems and identify and alleviate any

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potential reliability issues. The contractor shall complete FCAs for all MDIOC systems within the FE&O TO period of performance. The results of the assessments and impacts to facility capital planning shall be included in a revision to the MDIOC Facility Support and Sustainment Plan (CDRL C013).

Deliverables		
Deliverable	Initial Delivery	Frequency
CDRL C004: MDIOC Unified Facilities Guide Specification	PerCDRL	PerCDRL
CDRL C005: MDIOC Fire Suppression and Detection System Description	Per CDRL	PerCDRL
CDRL C007: MDIOC Electrical Power Distribution System Description	PerCDRL	PerCDRL
CDRL C010: MDIOC Plumbing System Description	PerCDRL	PerCDRL
CDRL C011: MDIOC Roof System Description	PerCDRL	PerCDRL
CDRL C012: MDIOC HVAC System Description	Per CDRL	PerCDRL
CDRL C013: MDIOC Facility Support Sustainment Plan	Per CDRL	Per CDRL
FCA Training	180 DAC	Once
DoD BUILDER Sustainment Management System Updates	As Required	As Required
Non-Technical Electrical Power Distribution FCAs	End of CY1	Once
Technical Electrical Power Distribution FCAs	End of CY2	Once
HVAC System FCAs	End of CY3	Once
Fire Suppression and Detection and Steam System FCAs	End of CY4	Once
Water/Waste Water, Plumbing, and Roof System FCAs	End of CY5	Once

PWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
(b)(4)			

### 10.2.2 Design Engineering

The contractor shall provide design engineering support in accordance with UFC and family of codes, Agency, Federal, industry, and site-wide standards. For all projects involving design or modification requirements, the contractor shall review or develop a tailored systems engineering approach outlining reviews, audits, and specific items or documents that need to be delivered as entrance criteria to design reviews and audits. The contractor shall evaluate, for all designs, the system criticality and project risk acceptance level. As part of the contractor's Design and Commissioning Process, the contractor shall encourage collaboration between facility systems

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engineers, design engineers, Mission Assurance Office (MAO), and maintenance and operations personnel. The contractor shall complete an Equipment Reliability Checklist prior to project design reviews and ensure all maintenance-related aspects are adequately considered. The contractor shall provide additional on-demand design expertise using JNETS when necessary through the contractor's Mission-Critical Practice Group.

The contractor shall establish technical baseline requirements during the contractor's requirements decomposition process. The contractor shall produce a detailed set of "build to" specifications that meets the project requirements and constraints. The "build to" specification shall include final acquisition and procurement strategies, informed by the contractor's SCRM process and facility installation plans. The contractor shall draft Verification, Validation, and Acceptance (VV&A) procedures to verify design compliance with the requirements and to validate that the completed design meets the user's expectations. The contractor shall identify required IT system checkout procedures in collaboration with its IT Services Management (ITSM) Department and Mission Assurance Office (MAO). The final design shall be captured in a Technical Data Package that includes the design drawings, specifications, and Statements of Work. The contractor shall deliver all designs and modifications to the Government Facility Manager (FM) or COTR for approval.

The contractor shall leverage its JNETS Leadership in Energy and Environmental Design (LEED) accredited professionals to guide Asset Management Department engineers and technicians on the integration of green requirements into facility and system designs. The contractor shall bring in its JNETS Certified Energy Managers and LEED accredited professionals to assess both the demand and supply side of the MDIOC utility infrastructure systems. Leveraging interdependencies between energy users (demand side) and the production and distribution of utilities (supply side), the contractor shall integrate the benefits of energy and sustainability planning to produce a roadmap to reduce MDIOC utility costs and improve the reliability of utility services. The roadmap shall identify specific initiatives targeted toward meeting the DoD-mandated energy reductions.

Deliverables			
Deliverable	Initial Delivery	Frequency	
CDRL C014: MDIOC Facility and System Drawings, Schedules, and Data	PerCDRL	PerCDRL	
Sustainability Roadmap	End of CY3	Once	

PWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
(b)(4)			

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### 10.2.3 Facility Project Engineering

Reserved

### 10.2.4 Reliability, Maintainability, and Availability Engineering

The contractor shall provide continuous engineering services that optimize MDIOC facility and system reliability, maintainability, and availability in a cost-effective manner and that meet existing and/or changing mission requirements. The contractor's reliability, maintainability, and availability engineering staff shall possess CMRP certifications.

#### 10.2.4.1 Maintenance Engineering

During new system design or modification to system design, the contractor shall consider the following maintenance engineering criteria: (1) minimization of custom equipment, (2) commonality and interchangeability of equipment, (3) access for performing critical maintenance, and (4) recognition of failure modes. The contractor shall utilize Equipment Reliability Checklists to ensure maintenance and operational considerations are incorporated into system designs. The activities performed as part of the Equipment Reliability Checklist shall include:

- Reliability Centered Maintenance (RCM) analysis, including FMECAs, and coordinate/implement required mitigations
- Develop maintenance procedures and implement PdM per maintenance strategies
- Develop maintenance schedules and incorporate into Maximo
- Acquire, store, and document (routine/critical) spares and other unique materials such as photos, manuals, and drawings in Maximo
- Update configuration status
- Develop supply chain map and list of authorized suppliers (critical systems)
- Update AMP to account for the additional systems
- Update system description documents
- Add the new or modified systems to the configuration hierarchy in Maximo and populate the data fields
- Ensure all unclassified system documentation is transferred and properly documented and inventoried into Maximo
- Perform maintenance training, including exercising diagnostic tools and procedures

Deliverables			
(b)(4)			
PWS			

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#### 10.2.4.2 Failure Modes, Effects, and Criticality Analysis

During contract transition, the contractor shall review existing FMECAs for MDIOC equipment and validate findings and mitigation strategies. The contractor shall survey all critical assets and determine whether additional FMECAs are warranted based on factors such as criticality, mission dependency, cost to repair or replace, lead time to repair, and asset performance. The FMECA review is an activity of the IRES Transition TO.

The contractor shall complete a FMECA prior to design completion and mitigate any predicted failure modes which fail to meet the required equipment reliability requirements. Analysis of historical data related to failures shall be performed to determine the optimal investment of maintenance resources and to determine the most effective risk assessment methods to identify those processes or systems that statistically exhibit the greatest chance of catastrophic failure. To ensure comprehensive analyses, FMECAs shall be developed using a cross-section of the contractor's design, operations, maintenance, and Mission Assurance personnel. New and modified assets shall have FMECAs conducted, as appropriate, and adjustments to contractor maintenance strategies made as required. The contractor's FMECA process shall consider functional failure, failure modes, failure effects, and potential mitigations. Each failure mode shall receive a numeric score that quantifies: (1) likelihood that the failure will occur, (2) likelihood that the failure will not be detected, and (3) the amount of harm or damage the failure mode may cause to a person or to equipment. The contractor shall use contractor-provided FMECA software to execute the FMECA process.

Deliverables			
Deliverable	Initial Delivery	Frequency	
Failure Modes, Effects, and Criticality Analysis	As Required	As Required	
PWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #

#### 10.2.4.3 System Performance Monitoring and Reliability Centered Maintenance Analysis

The contractor shall monitor critical and non-critical MDIOC systems through manual inspections and remote sensing. The contractor shall collect data and conduct analyses to detect failure modes and performance trends of the systems under monitor. Analysis conclusions shall be used to determine course of action for maintainability of all critical and non-critical systems. Data collected shall be used to update the DoD BUILDER Sustainment Management System.

Using the MDIOC system-specific availability, reliability, and maintainability requirements, the contractor shall deploy its integrated team of Life Cycle Engineering Group personnel and Facility Operations & Maintenance personnel to perform RCM analyses and develop system-specific maintenance plans. The resulting maintenance plans shall identify specific requirements, including PM requirements, opportunities for PdM, spares, training, and tools required for detecting and preventing failures to ensure target reliability. The contractor shall

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adjust PM procedures and/or intervals and PdM technologies implementation based on both the applicable maintenance strategy and specific system problem awareness. The contractor shall complete the RCM analyses on all MDIOC critical systems by the end of CY2, implement recommended changes by CY3, and complete RCM analyses of all MDIOC systems by the end of the FE&O TO period of performance. RCM analyses shall be updated following major modifications to the system.

Deliverables			
Deliverable	Initial Delivery	Frequency	
RCM Analyses for Critical Systems	Analyses – CY2 Implemented – CY3	Once	
RCM Analyses for Non-Critical Systems	Analyses – CY3 Implemented – CY5	Once	
PWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
(b)(4)			

#### 10.2.4.4 Predictive Maintenance Engineering

The contractor shall deliver a PdM implementation plan to document PdM technologies to be implemented within the MDIOC, training requirements, and metrics. The contractor's PdM implementation plan shall be developed in accordance with ISO 55000 and be delivered by the end of CY1. The contractor shall develop maintenance procedures and implement PdM per the contractor's PdM plan. The contractor shall utilize PdM technologies to inspect for failure mode indications on MDIOC critical and non-critical systems. Issues discovered shall be documented and presented to the Government FM, COTR, or ACOTR and shall include the system under consideration, the potential issue, the method of discovery, and the corrective action plan.

The contractor shall pilot one new PdM technology each year starting in CY2. Through its Rapid Technology Integration (RTI) approach, the contractor shall develop a business case for the new technology, conduct a pilot to demonstrate the value to the customer, monitor performance, document best practices, and then systematically integrate the most promising technologies into the contractor's Asset Management Program. The contractor shall consider the following technologies for implementation within the MDIOC:

- *Infrared* – Used to detect roof leaks and hot spots in electrical breakers, motors, and compressors
- *Thermal Imaging* – Used to display overheating of mechanical bearings or electrical connections on high voltage switches
- *Vibration Signature Analysis* – Used to detect unusual vibrations that may be precursors to failure of components
- *Ultrasonic Measurements* – Use of both surface and air ultrasound technologies to identify failures on high voltage electrical components
- *Motor Circuit Analysis* – Measurement of amplitudes, spectrums, and power quality for electric motors to detect failures before catastrophic damage can occur

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Deliverables			
Deliverable	Initial Delivery	Frequency	
PdM Implementation Plan	End of CY1	Once	
PdM Technology Pilot	End of CY2	Annual	

PWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
(b)(4)			

#### 10.2.5 Configuration Management

The contractor shall provide configuration management services in support of MDIOC facilities, engineering, construction, and maintenance responsibilities. Configuration management consists of disciplined, collaborative processes and systems that plan for, acquire, and control engineering, design, test, procurement, construction, operational, and logistics information throughout the system life cycle. The contractor shall manage the entire life cycle of configuration data from its conception; through design, test, and implementation; to operation and disposal. Configuration management activities shall be conducted in accordance with the MDA-QA-001-MAP, *Missile Defense Agency Assurance Provisions* and the contractor's IRES Configuration Management Plan.

During the IRES contract transition, the contractor shall identify the status and configuration of MDIOC assets subject to freeze at the beginning of the FE&O period of performance. Identification of assets subject to freeze is an activity of the IRES Transition TO. The contractor shall complete a baseline of the current MDIOC facility configuration during CY1 to identify gaps in configuration and system documentation. Following completion of the baseline, the contractor shall revise the MUFGS and system description documents to capture an up-to-date representation of the MDIOC configuration.

The contractor shall update MDIOC system drawings and documents for changes resulting from maintenance, repair, or construction activities. The contractor shall clearly document engineering change requests and describe changes so an audit trail can be created. In accordance with the contractor's IRES Property Management Plan, the contractor shall provide traceability of RPIE and other property controlled items.

The contractor shall establish an IRES Configuration Control Board (CCB) with authority for achieving coordination necessary to evaluate a change and assess its impact to MDA stakeholders. The CCB shall be chaired by the contractor's MAO Manager and include representation from the Government and functional representation from the contractor's Asset

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Management Department. The contractor shall classify configuration changes as either Class I or Class II and shall utilize a CCB to disposition each change. Class I changes that affect the form, fit, or function of a baseline configuration and have the potential to increase risk, decrease performance, or impact a mission-critical system shall be approved by the appropriate MDA board per MDA Manual 3500.1-M. Class II changes that do not meet the requirements for Government involvement shall be approved by the IRES CCB. Administrative documentation changes shall only require control through the contractor's formal documentation control process. All engineering change requests shall be documented and classified as Class I or II for consideration by the appropriate change authority. Requirements deviation or waiver requests shall be formally documented, classified, and approved by the appropriate MDA authority.

The contractor shall provide for reproduction, distribution, tracking, and assembly of drawings for facility work requests and projects (electronic and hard copy). The contractor shall analyze repairs, modifications, and new construction to determine the impacts to MDIOC documentation. When impacts are identified, the contractor shall update documentation as a new revision to reflect the change. The contractor shall verify implementation of a change to ensure consistency among the product, its documentation, and its support elements. Changes shall be made no more than 30 days after a documentation impact has been identified. The contractor shall perform configuration audits to verify that performance and functional requirements defined in configuration documentation are achieved by the design, and the design has been accurately documented.

The contractor shall use Maximo as its system for configuration identification, control, and status accounting of configuration documentation and operational information. All configuration controlled information and documentation shall be maintained in Maximo. The contractor shall provide FCA data to the 50<sup>th</sup> Space Wing (50SW) for update of the DoD BUILDER SMS. The contractor shall maintain electronic files of all drawings and any original hard copies. The contractor shall maintain an accountability log for original drawings including the signature of the individual who issued drawings. The contractor shall use MicroStation by Bentley to develop and update facility drawings and schedules. Configuration of drawings and schedules shall be maintained using Maximo.

The contractor shall implement electronic Systems Configuration Manuals (SCM) that provide pointers/links indicating not only what information exists but where to find it. Pointers shall include drawings, schematics, specifications, hazard analyses, FMECAs, technical manuals, spare parts lists, operations and maintenance procedures, system diagnostics and tools, system performance test results, system photographs, and pertinent software information. SCMs shall be available via Maximo. The contractor shall implement an audit process to ensure the SCMs are properly developed and maintained. Implementation of electronic SCMs shall be completed by the end of CY2.

Deliverables		
Deliverable	Initial Delivery	Frequency
CDRL C01 4: MDIOC Facility and System Drawings, Schedules, and Data	Per CDRL	Per CDRL
Baseline of MDIOC Configuration	End of CY1	(b)(4)
Electronic SCMs	End of CY2	

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PWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
(b)(4)			

### 10.3 Facilities Operations and Maintenance

The contractor shall provide all necessary facility operations and maintenance labor, materials, and documentation, except that specified as Government furnished, to ensure proper operations and maintenance of all MDIOIC facilities and systems. Facilities operations and maintenance expertise is necessary to optimize MDIOIC system reliability and availability in a cost-effective manner. Services are to include planning, scheduling, and tracking work; performance of preventive and corrective maintenance; system upgrades; and facility services. All work performed by the contractor shall comply with the latest manuals; industry standards; Federal, state, and local directives; and applicable codes, laws, guidelines, instructions, policies, and regulations. The contractor shall provide Test, Measurement, and Diagnostic Equipment (TMDE) Calibration for the MDA enterprise.

#### 10.3.1 Integrated Work Control Center

The contractor shall establish, implement, and utilize an integrated work control approach to create, schedule, approve, estimate, document, track, and monitor all MDIOIC FE&O requirements from inception to close-out. The contractor shall prioritize, plan, and schedule work orders using Maximo. Work shall be planned and scheduled within the specified or negotiated schedule, within established performance thresholds, and with minimal disruptions to MDA stakeholders. The contractor's IWCC shall coordinate with other IRES infrastructure projects and ongoing IRES facility maintenance and engineering projects prior to executing facility engineering or facility operations and maintenance tasks. The contractor shall monitor all MDIOIC system statuses and plan work and assignment of personnel around system freezes and operational requirements. The contractor shall receive trouble calls and notify the appropriate supervision for critical and non-critical trouble calls. The contractor shall provide work order preparation, identification, collection, and estimation for all support requests.

- **Work Receipt/Tracking** – The contractor's work order receipt process shall provide a simple method for MDA customer requests, ensure consistent work entry and appropriate prioritization, and provide for collection of the necessary pertinent data to achieve its RCM goals. Work shall be received via phone, Maximo, e-mail, or the IWCC. During off-shifts, calls shall be routed to the IT-Network Support Center where Critical and Urgent calls are directed to on-call personnel capable of assessing priority and taking appropriate and timely action. For repairs required for critical systems, the contractor's IWCC shall prepare a Situation Report (SITREP) to describe the failure, impact, and corrective action plan.

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The SITREP shall be provided to the MDA FM, COTR, and ACOTR within 24 hours of failure identification. The contractor shall notify the COTR of scheduled disruptions of services at least 14 calendar days prior to commencement of work. To address and mitigate the challenges of providing prioritized services for multiple customers, the contractor shall deploy its prioritization algorithm to assign a priority to work based on factors such as criticality to the mission, MDA needs, age of the work order, and customer urgency.

- *Work Order Preparation and Scheduling* – Work order preparation shall include the appropriate planning, estimating, scheduling, and asset coordination for all FE&O work. The contractor shall determine the appropriate skills required, coordinate access to equipment, order materials, align and obtain subcontractors, obtain the appropriate permits, and request engineering support as needed. The contractor shall develop technician work schedules at least daily and a week in advance and assign work to each technician instead of only scheduling the lead or supervisor. The contractor shall use Maximo's Assignment Manager to schedule and assign work to technicians based on their availability. The contractor shall also reserve and assign shared equipment to ensure the appropriate equipment is available. Asset information shall be accessible to technicians, engineers, and planners in the field. To enable this, the contractor shall identify, collect, and associate relevant information from the SCM to the asset. Prior to work execution, the contractor shall use information in Maximo to enable accurate parts kitting. Work order backlogs for critical assets shall be prioritized and processed as soon as possible. All backlogged work orders shall be documented and reported to the Government FM or COTR quarterly.
- *Situational Awareness* – The contractor shall provide a daily facility status report to include the status and condition of all MDIOC facility systems. The report shall include 50SW Power Plant availability. The status report shall be generated using Maximo. The contractor's IWCC shall hold weekly maintenance meetings to review planned maintenance activities against freezes and periods of interest with maintenance supervision and customer representatives. The contractor shall use its tactical scheduling process to address the dynamic MDA CTTO environment. The contractor shall schedule preventive and corrective maintenance during periods of minimal mission interference and/or critical system interference. Using Maximo, the contractor shall provide the Tactical Integration Group (TIG) with 24-hour on-demand visibility of any scheduled maintenance requirement or planned outage. The contractor's IWCC shall monitor MDIOC system status using Eaton Foreseer and Siemens Insight during regular business hours. System status monitoring shall be performed by the contractor's Network Operations Team after handoff from the IWCC during off hours. Prior to initiating work, the contractor's IWCC shall verify the activity has no impact on an MDIOC mission or configuration for a planned event. Using work order schedules and system status data, the contractor's IWCC shall provide situational awareness to the TIG for de-confliction of events. System failures impacting the MDIOC mission shall be immediately identified, communicated through the contractor's IWCC, and documented in Maximo. The contractor's IWCC shall coordinate with the 50SW to identify impacts and/or support requirements for weekly utility outage boards, monthly generator runs, changes to MDIOC infrastructure within the BUILDER SMS, 50SW facility modifications that impact the MDIOC, real property transfers or disposals, and annual fire inspections. As part of the contractor's Jacobs Connected Enterprise (JCE) Key Approach, the contractor shall collaborate with MDA to design and implement an integrated data architecture across the mission, RDT&E, and business systems. The contractor shall leverage this data architecture to integrate Remedy, Maximo, and Critical Asset List data

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in order to provide MDA and IRES leadership with real-time situational awareness of MDIOC assets for planning, scheduling, and de-conflicting events. The contractor shall integrate existing system data, providing the TIG and its members access to all data delivered (e.g., individual component, system, enterprise architecture views). Integration of the MDA data architecture is a deliverable of the Enterprise Information Technology Services (EITS) TO. Integration of Remedy, Maximo, and Critical Asset List data shall be completed by the end of CY3.

- **Work Execution** – Prior to beginning work in a particular area, the contractor shall notify the appropriate MDA POC to ensure no issues or complications exist relevant to work execution. The contractor's IWCC shall coordinate with the appropriate customer representative to coordinate access to secure areas. The contractor's technicians shall regularly update Maximo to ensure that the system has the most accurate and updated information available for equipment and work status. To keep requesters/customers apprised of work order status, the contractor shall automatically e-mail updates to customers via Maximo to keep them abreast of the status of their work request. When jobs are completed within Maximo, supervisor notifications shall be triggered to verify completeness and quality of the work and to close out the work order. The contractor shall monitor and maintain controlled facility access. Critical and non-critical system maintenance actions will require access to controlled areas. Contractor personnel shall notify Government and/or contractor management when entering safety controlled areas and utilize approved lock-out/tag-out procedures. Contractor personnel entering security controlled access facilities shall have approval prior to entering. No contractor personnel without proper credentials shall enter secure areas of the MDIOC facilities.
- **Key Performance Indicators** – The contractor shall meet with MDA technical representatives during the IRES transition to fully understand and capture the KPIs necessary for the IRES contract. KPIs to measure FE&O and MDIOC facility performance shall be captured in the contractor's AMP. The contractor shall assign a KPI Champion and establish workforce ownership of performance against KPIs. The contractor shall establish guidelines to define how the data will be measured, captured, reduced, and analyzed to determine effective KPIs and ensure the process is repeatable. The contractor shall use Maximo to auto-generate KPI reports. To ensure integration of critical FE&O metrics with other contract-level metrics and provide visibility of FE&O performance, the contractor shall establish a connection to these KPIs through its JEMS Portal. KPIs shall be monitored throughout the life of the contract and the status of the KPI reported to the Government FM, COTR, and ACOTR when requested. KPI data shall be collected through established guidelines and parameters for measuring, capturing, reducing, and analyzing to determine effectiveness. KPI shall be reevaluated throughout the contract for value and effectiveness.

Deliverables		
Deliverable	Initial Delivery	Frequency
Situation Report	System Failure Occurs	As Required
Daily Status Report	1 DAC	Daily
Work planning and scheduling	1 DAC	Weekly
KPI Reports	150 DAC	Monthly with TOSR

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Integration of Remedy, Maximo, and Critical Asset List Data	End of CY3	Once
PWS Performance Measurement		
Performance Thresholds	Surveillance Methodology	Tools/Data
		SSI #
(b)(4)		

### 10.3.2 Reliability Centered Maintenance

The contractor's RCM process shall drive transition from a culture of frequency-based and intrusive PMs to a culture of expanding PdM routes, increased applications of real-time PdM, and engagement of operators in the Asset Management Program. The contractor's RCM process shall identify and establish maintenance priority based on system criticality, perform analyses to identify "bad actor" systems and/or highest maintenance cost systems, implement analysis recommendations, and perform follow-up monitoring to ensure the desired improvements and benefits are realized. The contractor's RCM process shall mitigate risks through identification of the most likely failure mode scenarios and leverage historical failure data and specific experience and knowledge of maintainers/operators to develop maintenance strategies for classes of equipment.

#### 10.3.2.1 Preventive Maintenance

The contractor shall be responsible for routine PM requirements for MDIOC facility systems and equipment. PM includes day-to-day planned, periodic, and scheduled inspections, adjustments, cleaning, lubrication, and specified parts replacement required to preserve or restore a piece of equipment or a system to such a condition that it may be effectively utilized for its intended purpose and availability, and to preserve equipment reliability through its life cycle. The contractor shall plan and schedule maintenance actions on facility systems to minimize interference with the MDIOC mission. Planned and scheduled PM actions shall be conducted with a priority of maximizing the availability and reliability of the facility system. Facilities and equipment subject to PM shall include, but not be limited to the following:

- Plumbing system, including potable water, waste water, HVAC piping, natural gas piping, and steam/chilled water systems

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- Electrical power distribution system, including 12,470 VAC switchgear, Uninterruptible Power Supply (UPS), UPS substations, Power Distribution Units (PDU), Remote Power Panels (RPP), area lighting and Emergency Lighting Modules (ELM), and ground/lightening protection
- Fire suppression/detection systems
- Roof systems
- Elevator systems
- Facility equipment, including drinking fountains, cafeteria equipment, gym equipment, metal detectors, and x-ray machines

The contractor shall implement its PM optimization process to eliminate intrusive or non-value added PM activities, and replace frequency-based PM activities with PdM. Following implementation of new PdM technologies, the contractor shall replace PM procedures with PdM procedures for critical and non-critical MDIOC systems. The contractor shall identify PM program improvements beginning in CY2 of the FE&O TO. The contractor's PM optimization process shall achieve a 3% reduction in PMs per year.

The contractor shall adjust PM frequencies based on the age/condition of the equipment for systems with failures occurring between scheduled PMs. The contractor shall track all failures in Maximo using a well-defined set of failure codes and the configuration hierarchy. For failures on critical systems, the contractor shall perform a Root Cause Failure Analysis (RCFA) to identify the cause of the failure down to the lowest component level. Results of the RCFA shall include specific recommendations to reduce the risk of these types of failures going forward. The contractor shall evaluate suitability of applying the recommendation to all other systems that could be vulnerable to the same failure cause. The contractor shall execute PM activities within 110% of industry performance standards. Calculation of performance standards shall be in accordance with RS Means. PM performance shall be calculated monthly and delivered to the COTR for review. The contractor shall provide an estimate and target standard for PMs not defined by RS Means.

Deliverables		
Deliverable	Initial Delivery	Frequency
PM Activity Status	1 DAC	Weekly
PM Optimization	End of CY1	Annually
Root Cause Failure Analysis	As Required	As Required

PWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
(b)(4)			

(b)(4)



#### **10.3.2.2 Corrective Maintenance**

This section of the PWS identifies the corrective maintenance requirements for MDIOC facilities and equipment. Corrective maintenance includes the scheduled or unscheduled work required to repair a piece of equipment, a system, or a real property facility to such a condition that it may be effectively utilized for its intended purpose through its life cycle. Repair includes, but is not limited to, overhaul, reprocessing, or replacement of constituent parts or materials that have deteriorated by action of the elements or usage; have been damaged, regardless of the cause; or have not been corrected through maintenance. Corrective maintenance shall repair the facility or equipment to a condition equivalent to the original intended condition or to the design capacity, efficiency, or capability. Parts and equipment used for repair shall meet manufacturer specifications or equivalent. The contractor shall prepare scope definition, descriptions, engineering requirements, work control, tracking, and all other corrective maintenance management services otherwise required under the terms of this section of the PWS. Facilities and equipment subject to corrective maintenance shall include, but not be limited to, the following:

- Plumbing system, including potable water, waste water, HVAC piping, natural gas piping, and steam/chilled water systems
- Electrical power distribution system, including 12,470 VAC switchgear, UPS, UPS substations, PDU, RPPs, area lighting and ELMs, and ground/lightening protection
- Fire suppression/detection systems
- Roof systems
- Elevator systems
- Facility equipment, including drinking fountains, cafeteria equipment, gym equipment, metal detectors, and x-ray machines

##### **10.3.2.2.1 Critical Systems**

The contractor shall provide a continuous presence and support the MDIOC facilities to respond within 15 minutes of a notification of an outage for critical systems. The contractor shall develop and maintain an escalation procedure for all critical systems in which failure of the

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Order: HQ079618F8004

system would impact the MDIOC mission. Additionally, the contractor shall maintain an on-call list of technical Subject Matter Experts (SME) to support troubleshooting of critical systems. The contractor shall identify the degraded system/components, impact to system status, and a timeline for repair within one hour of the reported outage. Within 24 hours of the reported outage, a Failure Analysis and Corrective Action Report shall be developed and delivered to the Government FM, COTR, and ACOTR. The contractor shall provide the services outlined in the Corrective Action Report (CDRL C015) to repair the critical systems. The timeline associated with the repair will be negotiated with the Government FM, COTR, and ACOTR. After completing repairs, the contractor shall conduct an in-depth review to determine and document root causes of the failure, adequacy of diagnostics and documentation, availability of spares, actions that would have prevented the failure, additional training needs, and lessons learned. All repair efforts, materials utilized, and root cause findings to prevent future recurring failures shall be input into Maximo.

Deliverables			
Deliverable	Initial Delivery	Frequency	
Critical Systems Corrective Maintenance Activities	As Required	As Required	
Critical Systems Issue Escalation Procedure	150 DAC	Annually	
Technical SME On-Call List	1 DAC	Annually	
CDRL C015: Failure Analysis and Corrective Action Report	Per CDRL	Per CDRL	

PWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
(b)(4)			

#### 10.3.2.2.2 Non-Critical Systems

The contractor shall respond within 24 hours to notifications of an outage for a non-critical system. The contractor shall provide a non-critical systems repair timeline to the Government FM or COTR for the corrective actions necessary to restore system operation within 48 hours of notification. The contractor shall resolve customer work orders by coordinating, managing, and closing complaints with the FE&O TO customer. The contractor shall validate customer complaints with lower than satisfactory performance with the COR/COTR prior to closing out with the FE&O TO customer. All repair efforts, materials utilized, and root cause findings to prevent future recurring failures shall be input into Maximo.

Deliverables			
(b)(4)			

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PWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
(b)(4)			

### 10.3.3 Facility Services

This section of the PWS identifies facility services consisting of locksmith services; insect, rodent, and pest control; paint and corrosion control; and employee moves and workstation installation. Facility services shall be provided in a timely manner and with no impact to CTTO.

#### 10.3.3.1 Security Systems

The contractor shall provide facility key control to include, but not limited to, exterior doors, interior doors, office spaces, controlled access areas, and safes. The contractor shall provide locksmith and access control services for all facilities designated by the Government FM, COTR, or ACOTR and will maintain a master access control database to support this activity. The contractor shall provide safe management to include maintenance and certification inspections as required. The contractor shall provide designated secure area access/locking system repairs within four hours of notification of inoperability and shall provide secure access/locking system repairs within three calendar days for all designated MDIOC facilities not considered secure areas. The contractor shall record all secure access/locking system repair activities using Maximo.

Deliverables		
Deliverable	Initial Delivery	Frequency
Master Access Control Database	As Required	As Required
PWS		

PWS Performance Measurement (concluded)			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
(b)(4)			

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#### 10.3.3.2 Pest Control

The contractor shall inspect for insect, rodent, and pest infestation at all facilities designated by the Government FM, COTR, and ACOTR on a quarterly basis and provide a Pest Control Plan in the event of an infestation to include, but not limited to, the type of pest, the location of the infestation, the treatment method, the treatment hazard type, and the treatment timeline. The contractor shall properly remove any discovered infestation utilizing the Pest Control Plan and conduct preventive measures to protect facilities from insect, rodent, and pest infestations on a continuous basis according to the best method utilized to provide uninterrupted protection. All work and equipment/chemicals used shall be in accordance with local, state, and Federal laws and regulations.

Deliverables			
Deliverable	Initial Delivery	Frequency	
Pest Control Plan	120 DAC	Annually	
PWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
(b)(4)			

#### 10.3.3.3 Paint, Corrosion Control, and Grease Trap Pumping/Cleaning

The contractor shall inspect the facilities designated by the Government FM, COTR, and ACOTR on a quarterly basis for damaged or degraded facility components and will report issues found in a Facilities Architecture and Corrosion Control Report. The contractor shall perform architectural repairs, painting, and corrosion control to maintain an appealing appearance and a safe, secure operating environment in accordance with the Facilities Architecture and Corrosion Control Report. The contractor shall perform grease trap pumping and cleaning per the Maximo maintenance schedule.

Deliverables			
Deliverable	Initial Delivery	Frequency	
Facilities Architecture and Corrosion Control Report	As Required	As Required	
PWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
(b)(4)			

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(b)(4)

#### 10.3.3.4 Employee Moves and Workspace Reconfiguration

The contractor shall provide moving services for high priority MDIOC personnel to include essential office equipment within 24 hours and for non-high priority MDIOC personnel within 5 calendar days of a personnel move request. The contractor shall install and reconfigure workstation furniture in accordance with the schedule negotiated with the Government FM, COTR, and ACOTR. The contractor shall use flexible work shifts for major furniture moves to minimize disruptions to ongoing operations.

Deliverables		
Deliverable	Initial Delivery	Frequency
Moves and Workspace Reconfiguration Activities	1 DAC	As Required

PWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
(b)(4)			

#### 10.3.3.5 MDIOC Exterior Grounds Maintenance

The Contractor shall perform the following external grounds maintenance tasks at the MDIOC (buildings 720 and 730):

##### 10.3.3.5.1 Snow removal/sand and salt application

- Facility snow removal to extend from the building to where the 50SW snow removal effort ends, not to exceed 30 feet north, west, and south from the building. Emergency exits shall be cleared to ensure proper door operation.
- Ensure a safe and passable side walk to Buildings 720 and 730, to include loading dock ramps.
- If snow occurs overnight, snow removal needs to be completed by 0600. During the duty day, snow removal will need to be accomplished as snow accumulations dictate.

##### 10.3.3.5.2 Rubbish/Tumbleweed/Dead Animal Carcass removal around facility walkways and patios, building perimeter, and loading docks.

- Tumbleweed removal will be limited to the main entries and up against the exterior wall/windows of the MDIOC. Tumbleweeds should be addressed by the next duty day based on building priorities.
- Dead animal carcass removal will be limited to the immediate sidewalks and entries surrounding the north and west entrances to building 730 to Irwin Ave, and the south entrance and 30 feet around the patio area. Loading dock areas for

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buildings 720 and 730 shall be cleared from the door to the street, and 30 feet from either side. Dead animal carcasses should be removed within 24 hours of notification.

**10.3.3.5.3 Sidewalk high-pressure cleaning of on facility walkways (limited to main entrances and loading dock ramps) and patios.**

- Spot cleaning as required.

• Deliverables		
Deliverable	Initial Delivery	Frequency
None		

PWS Performance Measurement			
Performance Thresholds	Surveillance Methodology	Tools/Data	SSI #
(b)(4)			

**10.3.4 Test, Measurement, and Diagnostic Equipment (TMDE) Calibration**

The contractor shall provide Test, Measurement, and Diagnostic Equipment (TMDE) calibration and repair support for all equipment required to meet IRES supported missions. This includes calibration and repair support (C&RS) of approximately 250 line items of requiring TMDE in accordance with established industry standard intervals. The measurements and calibration shall be traceable to national, international, or intrinsic standards of measurement under (ISO/IEC 17025:2005).

The contractor shall complete calibration and repair services in accordance with published electronic technical bulletins (ETB) and technical bulletins (TB). The manufacturer's manual will be used when there are no published procedures.

Enclosure 3 provides the current list of equipment; equipment on the list may be substituted.

**Enclosures**

Enclosure 1 – Exhibit C, FEO CDRLs

Enclosure 2 – FEO Workload Data

Enclosure 3 – TMDE List

Enclosure 4 – FOUO Facility Critical Areas

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Enclosure 1 -  
Exhibit C, FEO CDRL



Enclosure 2 - FEO  
Workload Data.pdf



Enclosure 3\_TMDE  
List.XLSX



Enclosure  
4\_FOUO\_Facility Crit

<b>ORDER FOR SUPPLIES OR SERVICES</b>										PAGE 1 OF 37			
1. CONTRACT/PURCH. ORDER/ AGREEMENT NO. HQ079617D0001			2. DELIVERY ORDER/ CALL NO. HQ079618F8600P00029		3. DATE OF ORDER/ CALL (YYYYMMDD) 2018 Jan 05		4. REQ. / PURCH. REQUEST NO. See Schedule			5. PRIORITY  DXC9			
6. ISSUED BY MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7309				CODE HQ0796		7. ADMINISTERED BY (if other than 6) DCMA HUNTSVILLE 1040 RESEARCH BLVD SUITE 100 MADISON AL 35758-2040				CODE S0107A			
										8. DELIVERY FOB <input checked="" type="checkbox"/> DESTINATION <input type="checkbox"/> OTHER  (See Schedule if other)			
9. CONTRACTOR JACOBS TECHNOLOGY INC. NAME 550 WILLIAM NORTHERN BLVD. AND TULLAHOMA TN 373884727 ADDRESS				CODE 7EBK3		FACILITY		10. DELIVER TO FOB POINT BY (Date) (YYYYMMDD) <b>SEE SCHEDULE</b>		11. MARK IF BUSINESS IS <input type="checkbox"/> SMALL <input type="checkbox"/> SMALL DISADVANTAGED <input type="checkbox"/> WOMEN OWNED			
								12. DISCOUNT TERMS		13. MAIL INVOICES TO THE ADDRESS IN BLOCK See Item 15			
14. SHIP TO  <b>SEE SCHEDULE</b>				CODE		15. PAYMENT WILL BE MADE BY DFAS COLUMBUS CENTER SOUTH ENTITLEMENT OPERATIONS P. O. BOX 182264 COLUMBUS OH 43218-2264				CODE HQ0338  <b>MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2.</b>			
16. TYPE OF ORDER	DELIVERY/ CALL	<input checked="" type="checkbox"/>	This delivery order/call is issued on another Government agency or in accordance with and subject to terms and conditions of above numbered contract.										
	PURCHASE		Reference your quoted dated Furnish the following on terms specified herein. REF:										
ACCEPTANCE. THE CONTRACTOR HEREBY ACCEPTS THE OFFER REPRESENTED BY THE NUMBERED PURCHASE ORDER AS IT MAY PREVIOUSLY HAVE BEEN OR IS NOW MODIFIED. SUBJECT TO ALL OF THE TERMS AND CONDITIONS SET FORTH. AND AGREES TO PERFORM THE SAME.													
NAME OF CONTRACTOR				SIGNATURE				TYPED NAME AND TITLE				DATE SIGNED (YYYYMMDD)	
<input checked="" type="checkbox"/> If this box is marked, supplier must sign Acceptance and return the following number of copies: 1													
17. ACCOUNTING AND APPROPRIATION DATA/ LOCAL USE  <b>See Schedule</b>													
18. ITEM NO.		19. SCHEDULE OF SUPPLIES/ SERVICES				20. QUANTITY ORDERED/ ACCEPTED*		21. UNIT	22. UNIT PRICE		23. AMOUNT		
		<b>SEE SCHEDULE</b>											
* If quantity accepted by the Government is same as quantity ordered, indicate by X. If different, enter actual quantity accepted below quantity ordered and encircle.						24. UNITED STATES OF AMERICA TELEPHONE (b)(6) E-MAIL (b)(6) mde.mil BY				25. TOTAL \$14,022,930.00 EST			
27a. QUANTITY IN COLUMN 20 HAS BEEN <input type="checkbox"/> INSPECTED <input type="checkbox"/> RECEIVED <input type="checkbox"/> ACCEPTED, AND CONFORMS TO THE CONTRACT EXCEPT AS NOTED						26. CONTRACTING / ORDERING OFFICER				DIFFERENCES			
b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE						c. DATE (YYYYMMDD)		d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE					
e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE						28. SHIP NO.		29. DO VOUCHER NO.		30. INITIALS			
f. TELEPHONE NUMBER						g. E-MAIL ADDRESS							
36. I certify this account is correct and proper for payment.						31. PAYMENT <input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL		32. PAID BY		33. AMOUNT VERIFIED CORRECT FOR			
a. DATE (YYYYMMDD)		b. SIGNATURE AND TITLE OF CERTIFYING OFFICER								34. CHECK NUMBER			
										35. BILL OF LADING NO.			
37. RECEIVED AT		38. RECEIVED BY		39. DATE RECEIVED (YYYYMMDD)		40. TOTAL CONTAINERS		41. SR ACCOUNT NO.		42. SR VOUCHER NO.			

Section B - Supplies or Services and Prices

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1000	<p>(b)(4)</p> <p>Services/Capabilities CPIF</p> <p>The contractor shall provide all services/capabilities identified in task 10.1 and 11.0 as well as projects 12.1, 12.1.R1, 12.2, 12.2.R1, 12.3, 12.3R1, 12.5, 12.6, 12.7r1, 12.8, 12.8r1 &amp; 12.12 in the performance work statement (PWS) attached to this task order. All costs associated with these PWS requirements, other than those specifically included in another contract line item number (CLIN), are included in this CLIN.</p> <p>CLIN 1000 is a separate entity from the remaining task order CLINs for the purpose of administering the cost and performance incentives identified in this task order and the IRES Performance Evaluation and Incentive Plan (PEIP).(Contract Attachment J-06).</p> <p>All share ratios are identified as follows: Government/Contractor. The share ratios are subject to revision in accordance with the IRES PEIP.</p> <p>FOB: Destination PURCHASE REQUEST NUMBER: HQ0147862160</p>	(b)(4)			(b)(4)
				TARGET COST	(b)(4)
				TARGET FEE	
				TOTAL TGT COST + FEE	
				MINIMUM FEE	
				MAXIMUM FEE	
				SHARE RATIO ABOVE TARGET	
				SHARE RATIO BELOW TARGET	

FSC CD: MIBG

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100001	Funding ACRN AA PURCHASE REQUEST NUMBER: HQ0147862160	(b)(4)
100002	Funding - DTR share ACRN AB PURCHASE REQUEST NUMBER: HQ0147862499	(b)(4)
100003	Funding - SS share ACRNAD PURCHASE REQUEST NUMBER: HQ0147863091	(b)(4)
100004	Funding MST 11.1 ESS Upgrade ACRN AE PURCHASE REQUEST NUMBER: HQ0147863606	(b)(4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100005	Funding - Infrastructure Supt Projects	
	ACRN AG	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863878	
ITEM NO	SUPPLIES/SERVICES	AMOUNT
100006	Funding - MST 11.2 & 11.5 (C2BMC lab)	
	ACRN AH	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864189	
ITEM NO	SUPPLIES/SERVICES	AMOUNT
100007	MST 11.19, Install Furniture 1306	
	ACRN AK	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865357	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100008	Funding - Proj 12.8 Roof Design; 12.3R1 ACRN AL PURCHASE REQUEST NUMBER: HQ0147862160	(b)(4)
100009	TCR 12.6.R2 Bathroom Modernization ACRN AM PURCHASE REQUEST NUMBER: HQ0147865655	(b)(4)
100010	Project 12.11 - BC ACRN AN PURCHASE REQUEST NUMBER: HQ0147866085	(b)(4)
100011	Project 12.10 ACRN AP PURCHASE REQUEST NUMBER: HQ0147866109	(b)(4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100012	Project 12.1.R1 ACRN AR PURCHASE REQUEST NUMBER: HQ0147866096	(b)(4)
100013	Project 12.9 Renovate MCC-T ACRN AT PURCHASE REQUEST NUMBER: HQ0147864877	(b)(4)
100014	Rev H(a) Rm 2201 GNOSC Expansion ACRN AV PURCHASE REQUEST NUMBER: HQ0147966633	(b)(4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100015	Proj 12.15 Proposal Prep Cost Only ACRN AW PURCHASE REQUEST NUMBER: HQ0147967053	(b)(4)
100016	Project 12.13 Proposal Prep Cost Only ACRN AX PURCHASE REQUEST NUMBER: DO9ELD80243	(b)(4)
100017	MST 11.21 Safety Flooring (IF) ACRN AY PURCHASE REQUEST NUMBER: HQ0147967188	(b)(4)
100018	MST 11.12R1, Proj 12.12 & PPWP ACRN AZ PURCHASE REQUEST NUMBER: HQ0147967644	(b)(4)

ITEM NO	SUPPLIES/ SERVICES	AMOUNT
100019	Project 12.7R1 Room 1205 Modifications ACRN BA PURCHASE REQUEST NUMBER: DO9ELD90098	(b)(4)
100020	MST 11.27 105B Buildout (SS) ACRNBB PURCHASE REQUEST NUMBER: HQ0147968844	(b)(4)
100021	MST 11.32 Procure C2BMC Server Racks ACRN BC PURCHASE REQUEST NUMBER: HQ0147968988	(b)(4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100022	MST11.28 Electrical Supt Rack -Rm 1201 ACRN BD PURCHASE REQUEST NUMBER: HQ0147969244	(b)(4)
100023	Rev I - Roof Replacement Imp ACRN AZ PURCHASE REQUEST NUMBER: HQ0147967644-0004	(b)(4)
100024	Rev I - Roof Replacement Imp ACRN BE PURCHASE REQUEST NUMBER: HQ0147969415	(b)(4)
100025	MST11.04r2 SS PO Reconfig ACRN BF PURCHASE REQUEST NUMBER: HQ0147969356	(b)(4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100026	Project 12.1 IR1 - BC -- Prop Prep & Mgmt ACR NBG PURCHASE REQUEST NUMBER: HQ0147969650-0001	(b)(4)
100027	MST 11.29 CMAFS Furniture ACRN BH PURCHASE REQUEST NUMBER: HQ0147969882	(b)(4)
100028	MST 11.30 DDW Furn Refresh ACRN BJ PURCHASE REQUEST NUMBER: HQ0147970179	(b)(4)

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1001		(b)(4)			(b)(4)

Services/Capabilities - DT  
CPIF

The contractor shall provide all services/capabilities identified in project 12.4 in the PWS attached to this task order. All costs associated with this PWS requirement, other than those specifically included in another CLIN, are included in this CLIN.

CLINs 1001 and 1071 are combined and considered a single entity for the purpose of administering the cost and performance incentives identified in this task order and the IRES PEIP. CLINs 1001, 1041 and 1071 are a separate entity from the remaining task order CLINs for the purpose of administering the cost and performance incentives identified in this task order and the IRES PEIP.

All share ratios are identified as follows: Government/Contractor. The share ratios are subject to revision in accordance with the IRES PEIP.

FOB: Destination

PURCHASE REQUEST NUMBER: HQ0147862499

TARGET COST  
TARGET FEE  
TOTAL TGT COST + FEE  
MINIMUM FEE  
MAXIMUM FEE  
SHARE RATIO ABOVE TARGET  
SHARE RATIO BELOW TARGET

(b)(4)

FSCCD: MIBG

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100101		

Funding - DTR

ACRN AB

(b)(4)

PURCHASE REQUEST NUMBER: HQ0147862499

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100104	Project 12.9 Renovate MCGT	
	ACRN AT	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864877	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1002	Services/ Capabilities - BC CPIF	1	Lot		(b)(4)
	<p>The contractor shall provide all services/capabilities identified in projects 12.7, 12.7R1, 12.11, and 12.11R1 in the PWS attached to this task order. All costs associated with this PWS requirement, other than those specifically included in another CLIN, are included in this CLIN.</p> <p>CLINs 1002 and 1072 [will be added at a later date] are combined and considered a single entity for the purpose of administering the cost and performance incentives identified in this task order and the IRES PEIP. CLINs 1002 and 1072 are a separate entity from the remaining task order CLINs for the purpose of administering the cost and performance incentives identified in this task order and the IRES PEIP.</p> <p>All share ratios are identified as follows: Government/ Contractor. The share ratios are subject to revision in accordance with the IRES PEIP.</p> <p>FOB: Destination</p> <p>PURCHASE REQUEST NUMBER: DO9ELD80127</p>				

TARGET COST	(b)(4)
TARGET FEE	
TOTAL TGT COST + FEE	
MINIMUM FEE	
MAXIMUM FEE	
SHARE RATIO ABOVE TARGET	
SHARE RATIO BELOW TARGET	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100201	Funding - BC ACRNAF PURCHASE REQUEST NUMBER: DO9ELD80127	(b)(4)
100202	Project 12.11 - BC ACRN AN PURCHASE REQUEST NUMBER: HQ0147866085	(b)(4)
100203	Project 12.7R1 Room 1205 Modification ACRN BA PURCHASE REQUEST NUMBER: DO9ELD90098	(b)(4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100204	Project 12.11R1 - BC	
	ACRN BG	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147969650	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1003	Services/Capabilities - DE CPIF	1	Lot		(b)(4)
	<p>The contractor shall provide all services/capabilities identified in Project 12.7 and 12.10 in the performance work statement (PWS) attached to this task order. All costs, associated with this PWS requirement, other than those specifically included in another contract line item number (CLIN), are included in this CLIN. CLINs 1003 and 1073 [will be added at a later date] are combined and considered a single entity for the purpose of administering the cost performance incentives identified in this task order and the IRES PEIP. CLINs 1003 and 1073 are a separate entity from the remaining task orders CLINs for the purpose of administering the cost and performance incentives identified in this task order and the IRES PEIP.</p> <p>All share ratios are identified as follows: Government/Contractor. The share ratios are subject to revision in accordance with the IRES PEIP.</p> <p>FOB: Destination</p>				
				TARGET COST	(b)(4)
				TARGET FEE	
				TOTAL TGT COST + FEE	
				MINIMUM FEE	
				MAXIMUM FEE	
				SHARE RATIO ABOVE TARGET	
				SHARE RATIO BELOW TARGET	

FSC CD: M1 BG

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100301	Project 12.10 (DE)	
	ACRN AQ	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147866109	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1004	Services/Capabilities - ICT CPIF The contractor shall provide all services/capabilities identified in project 12.14 in the PWS attached to this task order. All costs associated with this PWS requirement, other than those specifically included in another CLIN, are included in this CLIN. CLINs 1004 and 1074 [will be added at a later date] are combined and considered a single entity for the purpose of administering the cost performance incentives identified in this task order and the IRES PEIP. CLINs 1004 and 1074 are a separate entity from the remaining task orders CLINs for the purpose of administering the cost and performance incentives identified in this task order and the IRES PEIP. All share ratios are identified as follows: Government/ Contractor. The share ratios are subject to revision in accordance with the IRES PEIP. FOB: Destination	1	Lot		(b)(4)
				TARGET COST	(b)(4)
				TARGET FEE	
				TOTAL TGT COST + FEE	
				MINIMUM FEE	
				MAXIMUM FEE	
				SHARE RATIO ABOVE TARGET	
				SHARE RATIO BELOW TARGET	

FSC CD: M1BG

HQ079617D0001

HQ079618F8600P00029

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ITEM NO	SUPPLIES/SERVICES	AMOUNT
100401	Rm 2201 GNOSC Expansion	
	ACRN AV	(b)(4)
PURCHASE REQUEST NUMBER: HQ0147966633		

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1040	<p>Expensed CAP: IT HW/Equip CPIF</p> <p>Contractor purchase of expensed contractor-acquired property (CAP), specifically information technology (IT) hardware (HW)/ equipment (equip), necessary to provide the services/capabilities identified in tasks 10.1 and 11.0 as well as projects 12.1, 12.2, 12.3, 12.5, and 12.6 in the performance work statement (PWS) attached to this task order. CAP is defined in FAR 52.245-1. IT HW/Equip is a subset of equipment as defined in DoDI 5000.64.</p> <p>Expensed CAP line items were created as an accounting mechanism designed to provide MDA better visibility and linkage of budget, obligation, expenditure, and government property data. Given the need for this level of visibility and linkage, as well as the need to include these costs as an integral component of the incentives, CLINs 1000, 1040 and 1070 are combined and considered a single entity for the purpose of administering the cost and performance incentives identified in this task order and the IRES PEIP. CLINs 1000, 1040 and 1070 are a separate entity from the remaining task order CLINs for the purpose of administering the cost and performance incentives identified in this task order and the IRES PEIP.</p> <p>All share ratios are identified as follows: Government/Contractor. The share ratios are subject to revision in accordance with the IRES PEIP.</p> <p>NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent. FOB: Destination</p>	(b)(4)			(b)(4)
				TARGET COST	(b)(4)
				TARGET FEE	
				TOTAL TGT COST + FEE	
				MINIMUM FEE	
				MAXIMUM FEE	
				SHARE RATIO ABOVE TARGET	
				SHARE RATIO BELOW TARGET	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104001	Funding	
	ACRN AJ	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863091 - 0002	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1041		(b)(4)			(b)(4)

Expensed CAP: IT HW/Equip - DTR  
CPIF

Contractor purchase of expensed contractor-acquired property (CAP), specifically information technology (IT) hardware (HW)/equipment (equip), necessary to provide the services/capabilities identified in project 124 in the PWS attached to this task order. CAP is defined in FAR 52.245-1. IT HW/Equip is a subset of equipment as defined in DoDI 5000.64.

Expensed CAP line items were created as an accounting mechanism designed to provide MDA better visibility and linkage of budget, obligation, expenditure, and government property data. Given the need for this level of visibility and linkage, as well as the need to include these costs as an integral component of the incentives, CLINs 1001, 1041 and 1071 are combined and considered a single entity for the purpose of administering the cost and performance incentives identified in this task order and the IRES PEIP. CLINs 1001, 1041 and 1071 are a separate entity from the remaining task order CLINs for the purpose of administering the cost and performance incentives identified in this task order and the IRES PEIP.

All share ratios are identified as follows: Government/Contractor. The share ratios are subject to revision in accordance with the IRES PEIP.

NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.

FOB: Destination

PURCHASE REQUEST NUMBER: HQ0147862499

TARGET COST  
TARGET FEE  
TOTAL TGT COST + FEE  
MINIMUM FEE  
MAXIMUM FEE  
SHARE RATIO ABOVE TARGET  
SHARE RATIO BELOW TARGET

(b)(4)

ITEM NO	SUPPLIES/ SERVICES	AMOUNT
104101	Funding - DTR	
	ACRN AC	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147862499	

ITEM NO	SUPPLIES/ SERVICES	AMOUNT
104102	Project 12.9 Renovate MCC-T	
	ACRN AU	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864877	

ITEM NO	SUPPLIES/ SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1071		(b)(4)			(b)(4)

Expensed CAP: Non-IT Equipment – DTR  
CPIF

Contractor purchase of expensed CAP, specifically non-IT equipment, necessary to provide the services/capabilities identified in project 12.4 in the PWS attached to this task order. CAP is defined in FAR 52.245-1. Non-IT Equipment is all equipment as defined in DoDI 5000.64, except IT hardware/equipment.

Expensed CAP line items were created as an accounting mechanism designed to provide MDA better visibility and linkage of budget, obligation, expenditure, and government property data. Given the need for this level of visibility and linkage, as well as the need to include these costs as an integral component of the incentives, CLINs 1001, 1041 and 1071 are combined and considered a single entity for the purpose of administering the cost and performance incentives identified in this task order and the IRES PEIP. CLINs 1001, 1041 and 1071 are a separate entity from the remaining task order CLINs for the purpose of administering the cost and performance incentives identified in this task order and the IRES PEIP.

All share ratios are identified as follows: Government/Contractor. The share ratios are subject to revision in accordance with the IRES PEIP.

NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.

FOB: Destination

PURCHASE REQUEST NUMBER: HQ0147862499

TARGET COST  
TARGET FEE  
TOTAL TGT COST + FEE  
MINIMUM FEE  
MAXIMUM FEE  
SHARE RATIO ABOVE TARGET  
SHARE RATIO BELOW TARGET

(b)(4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
107101	Funding - DTR	
	ACRN AC	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147862499	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1080	Capital Asset Project 12.1 RT CPIF Air Handling Unit (AHU) This is RPIE reportable and accountable to the host base 50th SW vice MDA. THIS CLIN IS FOR IMPLEMENTATION ONLY, DESIGNATED AS R1 IN THE PROJECT DESCRIPTION All share ratios are identified as follows: Government/Contractor. The share ratios are subject to revision in accordance with the IRES PEIP. NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent. FOB: Destination	(b)(4)			(b)(4)
				TARGET COST	(b)(4)
				TARGET FEE	
				TOTAL TGT COST + FEE	
				MINIMUM FEE	
				MAXIMUM FEE	
				SHARE RATIO ABOVE TARGET	
				SHARE RATIO BELOW TARGET	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
108001	Capital Asset Proj 12.1.R1 (AHU)	
	ACRN AS	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147866096	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
7990	Data FFP The contractor shall deliver all data, as defined in the contract data requirements lists (CDRL) attached to this task order.  Reference Section G of the basic contract. At the end of the task order period of performance, the contractor shall submit one iRAPT receiving report for all data previously delivered.  FOB: Destination PURCHASE REQUEST NUMBER: HQ0147862160	1	Lot		NSP

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NET AMT

FSC CD: M1BG

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
7991		100	Lot		NSP

Expensed CAP Delivery  
FFP

NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.

FOB: Destination

PURCHASE REQUEST NUMBER: HQ0147862499

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NET AMT

FSCCD: M1BG

## Section E - Inspection and Acceptance

## INSPECTION AND ACCEPTANCE TERMS

Supplies/services will be inspected/accepted at:

CLIN	INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
1000	Origin	Government	Destination	Government
100001	N/A	N/A	N/A	N/A
100002	N/A	N/A	N/A	N/A
100003	N/A	N/A	N/A	N/A
100004	N/A	N/A	N/A	N/A
100005	N/A	N/A	N/A	N/A
100006	N/A	N/A	N/A	N/A
100007	N/A	N/A	N/A	N/A
100008	N/A	N/A	N/A	N/A
100009	N/A	N/A	N/A	N/A
100010	N/A	N/A	N/A	N/A
100011	N/A	N/A	N/A	N/A
100012	N/A	N/A	N/A	N/A
100013	N/A	N/A	N/A	N/A
100014	N/A	N/A	N/A	N/A
100015	N/A	N/A	N/A	N/A
100016	N/A	N/A	N/A	N/A
100017	N/A	N/A	N/A	N/A
100018	N/A	N/A	N/A	N/A
100019	N/A	N/A	N/A	N/A
100020	N/A	N/A	N/A	N/A
100021	N/A	N/A	N/A	N/A
100022	N/A	N/A	N/A	N/A
100023	N/A	N/A	N/A	N/A
100024	N/A	N/A	N/A	N/A
100025	N/A	N/A	N/A	N/A
100026	N/A	N/A	N/A	N/A
100027	N/A	N/A	N/A	N/A
100028	N/A	N/A	N/A	N/A
1001	Origin	Government	Destination	Government
100101	N/A	N/A	N/A	N/A
100104	N/A	N/A	N/A	N/A
1002	Origin	Government	Destination	Government
100201	N/A	N/A	N/A	N/A
100202	N/A	N/A	N/A	N/A
100203	N/A	N/A	N/A	N/A
100204	N/A	N/A	N/A	N/A
1003	Origin	Government	Destination	Government
100301	N/A	N/A	N/A	N/A
1004	Origin	Government	Destination	Government

100401	N/A	N/A	N/A	N/A
1040	Destination	Contractor	Destination	Government
104001	N/A	N/A	N/A	N/A
1041	Destination	Contractor	Destination	Government
104101	N/A	N/A	N/A	N/A
104102	N/A	N/A	N/A	N/A
1071	Destination	Contractor	Destination	Government
107101	N/A	N/A	N/A	N/A
1080	Destination	Government	Destination	Government
108001	N/A	N/A	N/A	N/A
7990	Origin	Government	Destination	Government
7991	Destination	Government	Destination	Government

## Section F - Deliveries or Performance

## DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	DODAAC / CAGE
1000	POP 05-JAN-2018 TO 31-OCT-2019	N/A	MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 FOB: Destination	HQ0796
100001	N/A	N/A	N/A	N/A
100002	N/A	N/A	N/A	N/A
100003	N/A	N/A	N/A	N/A
100004	N/A	N/A	N/A	N/A
100005	N/A	N/A	N/A	N/A
100006	N/A	N/A	N/A	N/A
100007	N/A	N/A	N/A	N/A
100008	N/A	N/A	N/A	N/A
100009	N/A	N/A	N/A	N/A
100010	N/A	N/A	N/A	N/A
100011	N/A	N/A	N/A	N/A
100012	N/A	N/A	N/A	N/A
100013	N/A	N/A	N/A	N/A
100014	N/A	N/A	N/A	N/A
100015	N/A	N/A	N/A	N/A
100016	N/A	N/A	N/A	N/A
100017	N/A	N/A	N/A	N/A

100018	N/A	N/A	N/A	N/A
100019	N/A	N/A	N/A	N/A
100020	N/A	N/A	N/A	N/A
100021	N/A	N/A	N/A	N/A
100022	N/A	N/A	N/A	N/A
100023	N/A	N/A	N/A	N/A
100024	N/A	N/A	N/A	N/A
100025	N/A	N/A	N/A	N/A
100026	N/A	N/A	N/A	N/A
100027	N/A	N/A	N/A	N/A
100028	N/A	N/A	N/A	N/A
1001	POP 05-JAN-2018 TO 31-OCT-2019	N/A	MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 FOB: Destination	HQ0796
100101	N/A	N/A	N/A	N/A
100104	N/A	N/A	N/A	N/A
1002	POP 12-MAR-2018 TO 31-AUG-2019	N/A	MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 FOB: Destination	HQ0796
100201	N/A	N/A	N/A	N/A
100202	N/A	N/A	N/A	N/A
100203	N/A	N/A	N/A	N/A
100204	N/A	N/A	N/A	N/A

1003	POP 05-SEP-2018 TO 31-MAY-2019	N/A	MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 8091 2-7300 FOB: Destination	HQ0796
100301	N/A	N/A	N/A	N/A
1004	POP 30-OCT-2018 TO 31-MAY-2019	N/A	MISSILE DEFENSE AGENCY (MDA) (b)(6) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 8091 2-7300 (b)(6) FOB: Destination	HQ0796
100401	N/A	N/A	N/A	N/A
1040	31-MAY-2019	1	MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 8091 2-7300 FOB: Destination	HQ0796
104001	N/A	N/A	N/A	N/A
1041	31-MAY-2019	1	MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 8091 2-7300 FOB: Destination	HQ0796
104101	N/A	N/A	N/A	N/A
104102	N/A	N/A	N/A	N/A
1071	31-MAY-2019	1	MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 8091 2-7300 FOB: Destination	HQ0796
107101	N/A	N/A	N/A	N/A

1080	POP 05-SEP2018 TO 31-MAY-2019	N/A	MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 8091 2-7300 FOB: Destination	HQ0796
108001	N/A	N/A	N/A	N/A
7990	POP 05-JAN-2018 TO 31-OCT2019	N/A	MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 8091 2-7300 FOB: Destination	HQ0796
7991	31-JAN-2019	14	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796
7991	31-OCT2019	86	MISSILE DEFENSE AGENCY (MDA) (b)(6) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 8091 2-7300 (b)(6) FOB: Destination	HQ0796

## Section G - Contract Administration Data

LIMITATION OF FUNDS

In accordance with paragraph (b) of FAR 52.23222, Limitation of Funds, the amount presently available and allotted for payment, the contract line item numbers (CLINs) items covered, and the period of performance (PoP) it is estimated the allotted amount will cover, are as follows:

CLIN	Cost	Fee/Profit	Total	Est. Funding PoP*
1000	(b)(4)	(b)(4)	(b)(4)	5 Jan 18 – 20 Sep 2019
1001				Fully Funded
1002				Fully Funded
1003				Fully Funded
1004				Fully Funded
1040				Fully Funded
1041				Fully Funded
1071				Fully Funded
1080				Fully Funded

\*Information submitted in a timely manner by the contractor as part of the Limitation of Funds notifications, as required by FAR 52.232-22, shall supersede this Est. Funding PoP

## ACCOUNTING AND APPROPRIATION DATA

AA: 044411-097-0400-000 N 20182019 D 2520 XL_SD22P_FY18 AMOUNT: (b)(4)	IC-FI02-FY1819	71IC	255
AB: 044411-097-0400-000 N 20182019 D 2520 S_3_ST08P_FY18 AMOUNT: (b)(4)	GM-GFT11-FY1819	71GM	254
AC: 044411-097-0400-000 N 20182019 D 2520S3_ST08P_FY18 AMOUNT: (b)(4)	GM-GFT11-FY1819	71GM	310
AD: 044411-097-0400-000 N 20182019 D 2520 S_S_SD33P_FY18 AMOUNT: (b)(4)	MT-MTPBA-FY1819	71SS	255
AE: 044411-097-0400-000 N 20182019 D 2520 X_L_SD22P_FY18 AMOUNT: (b)(4)	IC-FI02-FY1819	71IC	254
AF: 978040-2520-18-3M 2520 40603891C00 255X S1 2109 MD8D27PA0C0127 820004 254.30 AMOUNT: (b)(4)			
AG: 044411-097-0400-000 N 20182019 D 2520 XI_SX01P_FY18 AMOUNT: (b)(4)	B2-BCONP-FY1819	71BC	255
AII: 044411-097-0400-000 N 20182019 D 2520 XI_ST01P_FY18 AMOUNT: (b)(4)	B5-BCXNP-FY1819	71BC	255
AJ: 044411-097-0400-000 N 20182019 D 2520 SS_SD33P_FY18 MT-MTPBA-FY1819 71SS 310 AMOUNT: (b)(4)			

AK: 044411 097 0400 000 N 20182019 D 2520 X K\_SD03P\_FY18 DW-SI-FY1819 71DD 254  
 AMOUNT: (b)(4)

AL: 044411 097 0400 000 N 20182019 D 2520 X L\_SD22P\_FY18 IC-FI04-FY1819 71IC 254  
 AMOUNT: (b)(4)

AM: 044411 097 0400 000 N 20182019 D 2520 X L\_SD22P\_FY18 IC-SI-FY1819 71IC 254  
 AMOUNT: (b)(4)

AN: 044411 097 0400 000 N 20182019 D 2520 X I\_SC01P\_FY18 B5-BCXNP-FY1819 71BC 255  
 AMOUNT: (b)(4)

AP: 044411 097 0400 000 N 20182019 D 2520 X3\_SD08P\_FY18 ES-00-FY1819 71DE 254  
 AMOUNT: (b)(4)

AQ: 044411 097 0400 000 N 20182019 D 2520 Z4\_SD31P\_FY18 ES-00-FY1819 71DE 254  
 AMOUNT: (b)(4)

AR: 044411 097 0400 000 N 20182019 D 2520 X L\_SD22P\_FY18 IC-CS00-FY1819 71IC 255  
 AMOUNT: (b)(4)

AS: 044411 097 0400 000 N 20182019 D 2520 X L\_SD22P\_FY18 IC-CS00-FY1819 71IC 254  
 AMOUNT: (b)(4)

AT: 044411 097 0400 000 N 20182019 D 2520 YG\_ST05P\_FY18 LE-TE-FY1819 71TC 254  
 AMOUNT: (b)(4)

AU: 044411 097 0400 000 N 20182019 D 2520 Y G\_ST05P\_FY18 LE-TE-FY1819 71TC 310  
 AMOUNT: (b)(4)

AV: 044411 097 0400 000 N 20182019 D 2520 Z4\_SC30P\_FY18 IT-211A-FY1819 71IC 254  
 AMOUNT: (b)(4)

AW: 044411 097 0400 000 N 20192020 D 2500 Z4\_SD30P\_FY19 IT-8003L-FY1920 71TC 254  
 AMOUNT: (b)(4)

AX: 97804 2500 19 BM 2520 40603891C00 255X S12109 MD8D27PA0C0243 820004  
 AMOUNT: (b)(4)

AY: 044411 097 0400 000 N 20192020 D 2500 X L\_SD22P\_FY19 IC-FI02-FY1920 71IC 254  
 AMOUNT: (b)(4)

AZ: 044411 097 0400 000 N 20192020 D 2500 X L\_SD22P\_FY19 IC-SI-FY1920 71IC 254  
 AMOUNT: (b)(4)

BA: 97904 2500 19 BM 2500 40603891C00 2540 S12109 MD9D27PA0C0098 920004  
 AMOUNT: (b)(4)

BB: 044411 097 0400 000 N 20182019 D 2520 SS\_SD33P\_FY18 S2-SSFZ-FY1819 71SS 255  
 AMOUNT: (b)(4)

BC: 044411 097 0400 000 N 20192020 D 2500 X I\_SC01P\_FY19 B5-BCXNP-FY1920 71BC 254  
 AMOUNT: (b)(4)

BD: 044411 097 0400 000 N 20192020 D 2500 SV\_SD12P\_FY19 A1-D0-FY1920 71SS 255  
 AMOUNT: (b)(4)

BE: 044411 097 0400 000 N 20182019 D 2520 X L\_SD22P\_FY18 IC-I104-FY1819 71IC 254  
 AMOUNT: (b)(4)

BF: 04441 1 097 0400 000 N 20182019 D 2520 S S\_SD33P\_FY18 S2-FACBZ-FY1819 7ISS 255

AMOUNT (b)(4)

BG: 04441 1 097 0400 000 N 20192020 D 2500 X L\_ST01P\_FY19 B5-BCXNP-FY1920 7IBC 254

AMOUNT (b)(4)

BH: 04441 1 097 0400 000 N 20182019 D 2520 ZI\_SD41P\_FY18 BC-BCONP-FY1819 7IBC254

AMOUNT (b)(4)

BJ: 04441 1 097 0400 000 N 20192020 D 2500 X K\_SD03P\_FY19 DW-X1-FY1920 71DD 254

AMOUNT (b)(4)

ACRN	CLIN/SLIN	CIN	AMOUNT
AA	I00001	HQ0147862160000101	(b)(4)
AB	I00002	HQ0147862499100001	(b)(4)
	I00101	HQ0147862499100101	(b)(4)
AC	I04101	HQ0147862499104101	(b)(4)
	I07101	HQ0147862499107101	(b)(4)
AD	I00003	HQ01478630910001	(b)(4)
AE	I00004	HQ01478636060001	(b)(4)
AF	I00201	DO9ELD801270001	(b)(4)
AG	I00005	HQ01478638780001	(b)(4)
AH	I00006	HQ01478641891000	(b)(4)
AJ	I04001	HQ01478630910002	(b)(4)
AK	I00007	HQ0147865357000101	(b)(4)
AL	I00008	HQ01478621600002	(b)(4)
AM	I00009	HQ01478656550001	(b)(4)
AN	I00010	HQ01478660850001	(b)(4)
	I00202	HQ01478660850002	(b)(4)
AP	I00011	HQ01478661090001	(b)(4)
AQ	I00301	HQ01478661090002	(b)(4)
AR	I00012	HQ01478660960001	(b)(4)
AS	I08001	HQ01478660960002	(b)(4)
AT	I00013	HQ01478648770001	(b)(4)
	I00104	HQ01478648770002	(b)(4)
AU	I04102	HQ01478648770003	(b)(4)
AV	I00014	HQ01479666330001	(b)(4)
	I00401	HQ01479666330002	(b)(4)
AW	I00015	HQ01479670530001	(b)(4)
AX	I00016	DO9ELD802430001	(b)(4)
AY	I00017	HQ01479671880001	(b)(4)
AZ	I00018	HQ01479676440001	(b)(4)
	I00023	HQ01479676440003	(b)(4)
BA	I00019	DO9ELD900980001	(b)(4)
	I00203	DO9ELD900980002	(b)(4)
BB	I00020	HQ01479688440001	(b)(4)
BC	I00021	HQ01479689880001	(b)(4)
BD	I00022	HQ01479692440001	(b)(4)
BE	I00024	HQ01479694150001	(b)(4)
BF	I00025	HQ01479693560001	(b)(4)
BG	I00026	HQ01479696500002	(b)(4)
	I00204	HQ01479696500001	(b)(4)
BH	I00027	HQ01479698820001	(b)(4)
BJ	I00028	HQ01479701790001	(b)(4)

CLAUSES INCORPORATED BY REFERENCE

52.23222

Limitation Of Funds

APR 1984

## CLAUSES INCORPORATED BY FULL TEXT

## 252.204-0002 LINE ITEM SPECIFIC: SEQUENTIAL ACRN ORDER. (SEP 2009)

The payment office shall make payment in sequential ACRN order within the line item, exhausting all funds in the previous ACRN before paying from the next ACRN using the following sequential order: Alpha/ Alpha; Alpha/ numeric; numeric/ alpha; and numeric/ numeric.

(End of clause)

PAYMENT INSTRUCTIONS

Payments for CLIN 1000, 1001, 1002, 1003, 1004, 1040, 1041, and 1071, 1080 will be made in accordance with FAR 52.216-7, Allowable Cost and Payment. Payments and the fee payable under the task order are subject to adjustments in accordance with FAR 52.216.10, Incentive Fee, and performance assessments conducted in accordance with the IRES Performance Evaluation and Incentive Plan (Attachment J-06). The contractor's vouchers against CLINs 1000, 1001, 1002, 1003, 1041, 1071 and 1080 (all CPIF) shall be consistent with 252.204-0002 Line Item Specific: Sequential ACRN Order (SEP 2009).

(b)(4) In accordance with FAR 52.216-10(c)(1), the Contractor is authorized to bill fee by contract line item number (CLIN) not to exceed the following: [REDACTED] x (cost billed against the CLIN to date, including this voucher). Overbilling of fee as a result of this change in the billing instructions shall not be refunded to the Government, unless the overbilling cannot be corrected any other way. Instead, fee shall not be billed until the contractor is no longer in an overbilling status. The Contractor shall show the fee calculation by line item on each voucher.

WAWF email notifications. In accordance with 252.2327006, the Contractor shall enter the following email addresses in the "Send Additional Email Notifications" field of WAWF once a document is submitted in the system: CLINs 7990, 7991: (b)(6) [REDACTED]

(b)(6) [REDACTED]

Section H - Special Contract Requirements

CLAUSES INCORPORATED BY FULL TEXT

Due to a problem with a software upgrade to the contract writing system, this modification contains a summary of changes error regarding target price. Therefore, for the purposes of this modification, the conformed contract will govern.

Section I - Contract Clauses

CLAUSES INCORPORATED BY REFERENCE

252.211-7003      Item Unique Identification and Valuation

MAR 2016

Section J - List of Documents, Exhibits and Other Attachments

Exhibit/Attachment Table of Contents

DOCUMENT TYPE	DESCRIPTION	PAGES	DATE
Attachment 1	02 PWS 18F8600- 29_MST11.30_11.31	24	27-MAR-2019



## **PERFORMANCE WORK STATEMENT**

**Missile Defense Agency (MDA)  
Integrated Research & Development for Enterprise Solutions (IRES)**

**Contract Number: HQ079617D0001**

**Task Order Title: Infrastructure Support Projects**

**Task Order Number: HQ079618F8600**

**Dated: 27Mar 2019**

**Period of Performance: 5 January 2018 – 31 Oct 2019**

## Performance Work Statement Revision History

Version	Date	Mod #	Change Description
Original	Dec 6, 2017	Award	N/A
Rev A	Jan 04, 2018	P00001	Add Tasks 11.0, 12.4, 12.5, 12.6
Rev B	Mar 05, 2018	P00004	Update CDRI. Table. Modify Tasks 11.0, 12.4, Add 12.7
Rev C	Apr 25, 2018	P00007	Update PWS Section 11 and MST Atch 2 to PWS
Rev D	May 16, 2018	P00008	Update PWS Sections 11 and 12: attach all discrete projects; attach TCR 12.4; update MST Atch 2 to PWS
RevG, Part 1	July 10, 2018	P00012	Incorporate Task 11.2.2 to PWS (PPWP)
Rev F	August 3, 2018	P00014	Incorporate Task 12.8 Bldg 720 Roof Replacement (Design)
Rev E	August 3, 2018	P00016	Add Discrete Projects 12.1R1,12.2R2, 12.9, 12.10 & 12.11
RevG, Part 2	Sep 12, 2018	P00017	Add Task 12.3R1 Data Center CW Pumps & Piping – Implementation (see p. 21 for embedded pdf icons for all projects)
Rev H(a)	Oct 10, 2018	P00018	Add Task 12.13 Room 2301 remodel, Task 12.14 Room 2201 GNOSC expansion and Task 12.15 CERT expansion
TCR12.6	Nov 6, 2018	P00019	Add additional scope (2 ice/water dispensers centrally located by the cable chase entrance)
Rev H(b)	Nov 16, 2018	P00020	Add Task 12.7R1 Room 1205 Modification, Task 12.12 Custodial Upgrades, and Execute the 2 <sup>nd</sup> instance of the PPWP in the total amount of \$585,480 and add \$30K funding
N/A	Dec 20, 2018	P00021	<u>Correct PoP End date to 14 Apr 2019 on Task 12.14 (attached Project Description) and Update MST Atch 2 to PWS to incorporate MST 11.27 105B Buildout (SS)</u>
N/A	Jan 9, 2019	P00022	<u>Update PoP end date to 30 Jun 2019, update MST Atch 2 to incorporate MST 11.32 Procure server racks for C2BMC, and add \$87K funding</u>
N/A	Jan 30, 2019	P00024	<u>Update MST Atch 2 to incorporate MST 11.28 Electrical Support for Rack BI22 in 1201 to support MDA/SS</u>
Rev I	12 Feb 2019	P00025	<u>Add Project 12.8r1 (Roof Replacement Implementation) Project/Task Description to PWS and extend PoP to 31 Oct 2019</u>
N/A	19 Feb 2019	P00026	<u>Update MST Atch 2 to incorporate MST 11.04r2 SS Program Office Efficiency Reconfiguration</u>
Rev J	27 Feb 2019	P00027	<u>Add Project 12.11R1 Data Center 2201 Electrical C2BMC Implementation</u>
N/A	13 Mar 2019	P00028	<u>Update MST Atch 2 to incorporate MST 11.29 CMAFS LRDR Furniture (Proc &amp; Install) and update milestone dates, implementation &amp; closeout/transition package complete dates on Project 12.11r1 C2BMC Data Center 2201 electrical</u>

Version	Date	Mod #	Change Description
N/A	27 Mar 2019	P00029	<u>Update MST Atch 2 to incorporate MST 11.30 DDW Furniture Refresh and MST 11.31 Emergency roof repair bldg. 720</u>

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## **1.0 Purpose**

The purpose of this Performance Work Statement (PWS) is to enable facility modifications and sustainment projects that are required to support MDA mission activities at the Missile Defense Integration & Operations Center (MDIOC) in Colorado Springs, Colorado and its area of responsibility.

## **2.0 Background**

The MDIOC provides the necessary infrastructure and support services through a Mission Execution Platform for MDA elements/components and designated Combatant Commanders' Ballistic Missile Defense System (BMDS) operations executing missions at the MDIOC (24/7/365).

The MDIOC was built in 1989 (26 years) and was designed to a 67 year life cycle

- Bldg 720 consists of three floors with four quadrants on each floor and a basement sector encompassing 557,000 sf
- Bldg 730 consists of three floors to include main lobby, administrative office areas and basement sector encompassing 119,160 sf

Similar work accomplished under the Joint National Integration Center (JNIC) Research and Development Contract (JRDC) 5006, 7006, and 8006.

## **3.0 Scope**

Enable facility modifications and sustainment projects required to support MDA mission activities at the MDIOC on Schriever AFB, Colorado and its area of responsibility. Each individual project or task will be documented in a separate attachment and will include tasking language and a milestone activity table that will specify the discrete project lifecycle elements, as outlined in section 10.0 of the PWS, to be performed and the associated products to be delivered.

## **4.0 Service Summary Items**

In accordance with the IRES Performance Evaluation and Incentive Plan, Service Summary Items (SSIs) 1 through 4 are common [required] on all task orders and will be assessed at the contract level (i.e., all task orders will receive the same rating). SSIs 1 through 4 are documented in the Performance Evaluation and Incentive Plan.

SSSI 5 - 8 [Technical Performance] captures the specific task order Service Summary Items deemed essential to successful execution of the task order.

Title	Description	Performance Threshold Unacceptable	Performance Threshold Acceptable	Performance Threshold Objective	Assessment Method
(b)(4)					

(b)(4)

## 5.0 Contract Data Requirements List (CDRL)

The point of delivery for all CDRL products, except as noted in Exhibit C, is the MDA E-CaRT system. The Contractor shall deliver all such products by saving and profiling them in E-CaRT, with the appropriate notification of delivery letter transmitted electronically to the Government's Data Management Office. Reference Exhibit C for specific CDRL delivery instructions.

Contract Data Requirements List (CDRL) Identification

### 5.1 CDRL Identification

Task	CDRL	DID	Title	Description
10.1	C001	DI-MGMT-81861/T	HQ079618F8600: Integrated Program Management Report	Contains data for measuring cost and schedule performance. The IPMR is structured around seven formats that contain the content and relationships required for the electronic submissions.

<b>Task</b>	<b>CDRL</b>	<b>DID</b>	<b>Title</b>	<b>Description</b>
10.1	C002	DI-MISC-80508B/T	HQ079618F8600: Task Order Status Report, [month ending]	Provides significant accomplishments, issues, concerns, lessons learned, and risks associated with the task order.
Reserved	C003			
10.4.1	C004	DI-MISC-80508B/T	HQ079618F8600: Engineering Documentation—Preliminary Design	Preliminary Design documentation as defined in paragraph 10.4.
10.4.2	C005	DI-MISC-80508B/T	HQ079618F8600: Preliminary Design Review Briefing	Preliminary Design Review Briefing shall be in accordance with the adjudicating (DRB/EAB) boards format for presentation.
10.5.1	C006	DI-MISC-80508B/T	HQ079618F8600: Engineering Documentation—Detailed Design	Detailed Design Review documentation as defined in paragraph 10.5.
10.5.2	C007	DI-MISC-80508B/T	HQ079618F8600: Detail Design Review Briefing	Detailed Design Review Briefing shall be in accordance with the adjudicating (DRB/EAB) boards format for presentation.
10.6.1	C008	DI-MISC-80508B/T	HQ079618F8600: Implementation Plan	Implementation plan shall include a detailed schedule of activities required as part of the integrated master schedule. The implementation plan shall include required coordination with stakeholders, mission impacts to proposed work, and mitigations to reduce impacts.
10.7.2	C009	DI-MISC-80508B/T	HQ079618F8600: Engineering Documentation—Project Closeout	Documented Project Closeout documentation as defined in paragraph 10.8.2

Task	CDRL	DID	Title	Description
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## 5.2 CDRL Tailoring

The DD Form 1423 associated with each CDRL is contained in the following attachment.



Exhibit C CDRLs.pdf

## 6.0 Milestones

The Milestone table below is provided as an example and is indicative of the activities and delivery dates that will be embedded within each project identified in Task 11.0..

Activity	*Date	Comment
IBR Level 1	XX DAC	
Requirements Traceability Matrix (RTM)	XX DAC	
Preliminary Design Presentation to DRB	DD Mmm YYYY	
Preliminary Design Presentation to EAB	DD Mmm YYYY	
Detailed Design Presentation to DRB	DD Mmm YYYY	
Detailed Design Review to EAB	DD Mmm YYYY	
Implementation Plan/Schedule to COTR	DD Mmm YYYY	
Formal Acceptance/Punch List Development	DD Mmm YYYY	
Closeout/Transition Package Complete	NLT DD Mmm YYYY	
Progress Reviews	Weekly or as required / Monthly at TOSR	

\*Recommended entries for the Date column:

- Use Day Month Year format, e.g., NLT DD MM YYYY when a specific delivery date is required.
- Use a specific number of days after a previous milestone approval to indicate when delivery is required, e.g., 30 Days after RTM Approval or 45 Days after PDR Approval.
- N/A: denotes not applicable or not required at any time for this particular project/task.
- TBD: denotes that the milestone activity is anticipated in the future for this project/task but is not required at this time. A modification to the task/project will be issued at a later date.
- Contractors Discretion: denotes that the Government is allowing the Contractor to specify the delivery date in their proposal in order to best manage internal resources and de-conflict multiple priorities for the purpose of maximizing efficiencies. The date will be agreed to during negotiations and updated at ATP.

## **7.0 Government Property**

7.1 TBD

7.2 In addition the following items will be provided by the Government:

None

## **8.0 Special Requirements**

In addition to the Special Requirements identified in IRES Contract SOO, paragraph 7.0, the following are applicable to this task order:

- Will be identified in each project description

## **9.0 Applicable Documents**

In addition to the directives and regulations identified in the IRES Contract SOO, paragraph 8.0, the following are applicable to this task order:

<b>Title</b>	<b>Originator</b>	<b>Date</b>
USD (AT&L) Memorandum, Department of Defense Unified Facilities Criteria	Under Secretary of Defense	05/29/2002
Unified Facility Criteria (UFC)	National Institute of Building Sciences	Various
Unified Facilities Guide Specifications (UFGS)	National Institute of Building Sciences	Various
US Army Corps of Engineers Design Submission Requirements Manual (NANP-1110-1-1)	US Army Corps of Engineers	Current
AFI 32-1032, Planning and Programming Appropriated Fund Maintenance, Repair, and Construction Projects	Air Force	11/24/2015
AFI 32-9005, Real Property Accountability and Reporting	Air Force	03/04/2015
AFI 32-1024, Standard Facility Requirements	Air Force	07/14/2011
AFI 32-1064, Electrical Safe Practices	Air Force	12/29/2016

<b>Title</b>	<b>Originator</b>	<b>Date</b>
USD (AT&L) Memorandum, Department of Defense Unified Facilities Criteria	Under Secretary of Defense	05/29/2002
Unified Facility Criteria (UFC)	National Institute of Building Sciences	Various
AFI 32-1065, Grounding Systems	Air Force	01/12/2015

The MDIOC MDA/DPL Task Change Requirement (TCR) process shall be followed when there is a need to document and communicate a potential change to the project requirements to the appropriate stakeholders. This process can be initiated by a COTR, ACOTR, or contractor to support a mission requirement or document a required change to an existing task. Changes may be required due to circumstances such as changed stakeholder requirements, government induced schedule delays, unforeseen site condition, design errors, etc. This process may initiate a required contract modification to incorporate changes to schedule, cost, or scope.

## **10.0 Statement of Objectives and Outcomes**

### **10.1 Task Order Administration**

This portion of this PWS contains structure, objectives and outcomes with respect to the administration of the Task Order. This PWS element represents the work required to administer the Task Order and the Enterprise Support of the Task Order's work and resources. For this Task Order, work is estimated at this level in the PWS (10.1, 10.2, 10.3, etc.).

#### **10.1.1 Task Order Management**

This PWS element represents the work specifically required to support the management of requirements of the overall Task order, which includes all reporting, briefings, awards, modifications, SSIs, etc.

##### **10.1.1.1 Stakeholder Technical Integration Management (STIM) and Systems Engineering and Integration (SEI) Management**

Objective #1: The contractor shall provide the resources and information to communicate and manage task order performance.

Outcomes:

- Provide a single POC responsible for managing the cost, schedule, risk, and technical performance of the TO.

- Provide a single POC to serve as a liaison to the COTR or Assistant COTR (ACOTR) who is responsible for providing insight on TO performance.
- TO activities are managed in accordance with the IRES Program Management Plan (CDRL TO8002 C008).
- All TO requirements are identified, managed, validated, and verified in accordance with the contractor's IRES Systems Engineering Master Plan.
- A common Enterprise Architecture vision is implemented IRES-wide to support MDA "to-be" architectures, including the identification of gaps and lessons learned.

Objective #2: The contractor shall provide task order reporting to accurately monitor status in accordance with CDRL and Milestone requirements.

Outcomes:

- IPMR and TO status report for the TO are delivered per CDRL requirements.
- TO status (e.g., technical, cost, schedule) is reported to the COTR on a monthly basis in accordance with CDRL requirements.
- TO status includes cost and schedule performance by WBS and IRES organization structure; significant accomplishments; customer concerns or issues; TO risks and mitigation status; performance against the IRES contract, SE&PI, and TO SSIs; achievements relative to the utilization goals in the contractor's Small Business Participation and Commitment Plan; quality assurance reviews, audit results, and non-conformance finding closure reports; safety information.
- TO performance trends are identified, tracked and shared with the COTR, ACOTR, and applicable government stakeholders.
  - CDRL C001: Integrated Program Management Report
  - CDRL C002: Task Order Status Report

#### 10.1.1.2 Responsible Organization Management

Objective#1: The contractor shall provide qualified personnel and manage personnel issues to perform TO activities.

Outcomes:

- The workforce is managed efficiently, mitigating workforce surge and drawdown impacts, analyzing workforce trends, and forecasting workforce needs IRES-wide.
- A trained and qualified workforce is maintained that is able to perform the functions necessary to operate, support, and sustain MDIOC facilities and systems.

Objective #2: The contractor shall maintain accountability of all property under its control and provide reporting to ensure government situational awareness of property status.

Outcomes:

- A Material Inspection and Receiving Report is submitted as required by DFARS 252.246-7000 for the delivery of all CAP classified as Equipment, Special Test Equipment, and Special Tooling by using the Invoicing, Receipt, Acceptance, and Property Transfer (iRAPT) application in the Wide Area Workflow (WAWF) e-Business Suite in accordance with the instructions provided in CLIN 7991.

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#### 10.1.1.3 Administrative Support

Objective #1: The contractor shall provide resources to manage the contractual requirements, and provide financial oversight and performance tracking for the task order.

Outcomes:

- Task Order financial management activities ensure that task order reporting, including EVM reporting, accurately reflect the current state of TO financial performance and status.
- TO contractual deliverables are provided within the agreed to schedule, in the correct formats and to a high level of quality.

#### 10.1.2 Enterprise Task Order Support

This PWS element represents the work of enterprise support to the Task Order's work and resources.

##### 10.1.2.1 Enterprise Management

Objective #1: The contractor shall provide the resources and data to enable enterprise management of this task order for human resources, business/finance, and JEMS in support of integration.

Outcomes:

- IPMR and TO status report for the TO are delivered per CDRL requirements.
- TO status (e.g., technical, cost, schedule) is reported to the COTR on a monthly basis in accordance with CDRL requirements.

- MDA customers and stakeholders have on-demand access to a TO status report dashboard.
- TO export control requirements are managed to comply with DoD and MDA requirements, including International Traffic in Arms Regulations (ITAR) (22 CFR 120-130) and Technical Assistance Agreements processes as required.
- Any individuals requiring access to Government information technology systems have completed Information Assurance Awareness training.
- Personnel performing information assurance functions on national security systems meet the Committee on National Security Systems training requirements.

#### 10.1.2.2 Mission and Performance Assurance

**Objective #1:** The contractor shall perform System Engineering functions to ensure the products and services provided under this TO utilize established Systems Engineering practices that are standardized across the IRES contract in support of the MDA mission.

**Outcomes:**

- Deliver an Integrated Master Schedule (IMS), in accordance with Integrated Program Management Report (IPMR) requirements, using the contractor's JEMS Portal.
- The TO IMS is integrated into the contractor's IRES Integrated Schedule (IIS).
- Systems Integration requirements and capabilities gaps, lessons learned, and a common MDIOC system vision are integrated enterprise-wide.
- Critical assets are managed, to include conflict forecasting and de-confliction, across the IRES enterprise.

**Objective #2:** The contractor shall track, manage and report on TO performance measures, including metrics, lessons learned and accomplishments.

**Outcomes:**

- Based on TO performance trends, periodic audits of task estimates are performed, TO risks are tracked, and schedule accuracy is evaluated.
- All TO CDRLs are delivered on time and with accurate information.
- Customer satisfaction with the services and products delivered in this TO is solicited and tracked.
- TO performance is continuously evaluated and improved using objective performance measures.

- TO lessons learned, best practices, and accomplishments are collected and shared with the COTR, ACOTR, other government stakeholders, and IRES workforce.

Objective #3: The contractor shall incorporate Mission Assurance activities into all TO tasks in support of the MDA mission.

Outcomes:

- TO asset configurations are managed in accordance with the IRES Configuration Management Plan (CDRL TO8002 C022).
- TO risks are managed in accordance with the IRES Risk Management Plan (CDRL TO8002 C021).
- The quality of TO activities is assured in accordance with the Quality Assurance Program Plan (CDRL TO8002 C020).
- TO supplies are purchased in accordance with the IRES Supply Chain Risk Management Plan, including the development of a supply chain map and authorized suppliers list for critical systems.

Objective #4: The contractor shall provide information security, physical security, export control and cybersecurity training and processes in accordance with federal, DoD and agency requirements to safeguard the conduct of the MDA mission through the IRES contract.

Outcomes:

- MDA-identified Critical Program Information (CPI) and Critical Technologies (CT) are protected to the standards required in DoDI 5200.39
- TO cybersecurity risks are managed in accordance with the Cybersecurity Risk Management Plan (CDRL TO8002 C016).
- All Controlled Unclassified Information is protected from unauthorized access, disclosure, incident, or compromise.
- All contractor-managed TO systems maintain System Authorization in accordance with DoDI 8510.01, Risk Management Framework.
- Cybersecurity requirements and considerations are integrated into TO systems engineering, design, and risk management processes.
- All contractor-managed TO systems are operated in accordance with cybersecurity requirements.
- Security administration is provided to comply with applicable DoD, MDA, and local security directives, policies, procedures, and instructions for physical security and

for the safeguarding of BMDS controlled and classified information, to include proper document marking, classification, storage, accountability, transmittal, and destruction.

- Personnel requiring privileged access maintain appropriate computing environment certifications for the operating system(s) and/or security related tools/devices they support or operate.

Objective #4: The contractor shall promote and enforce safe and sustainable work practices to prevent personnel injury, damage to property or harm to the environment.

Outcomes:

- TO activities are performed in accordance with the Mishap Prevention and Safety Plan (CDRL TO8002 C024) to prevent personnel injury and property damage.
- TO activities are performed in accordance with the Environmental Program Plan (CDRL TO8002 C023) to prevent harm to the environment and maximize sustainable practices.

#### 10.1.2.3 Functional Management and Administrative Support

Objective #1: The contractor shall provide a functional management oversight structure to lead, manage and assign resources within their organization.

Outcomes:

- Functional oversight is provided to matrixed personnel to ensure availability and maturity of workforce to perform Task Order requirements.

Objective #2: The contractor shall provide functional administrative and management support as required to communicate and deliver enterprise integration.

Outcomes:

- Functional administration is provided to matrixed personnel to ensure effective communication and enterprise integration as it relates to Task Order requirements and performance.

#### 10.1.3 Task Order Award and Modification

Objective #1: The contractor shall provide the resources and data to provide timely and accurate proposals to government requirements for proposal and other contract modification actions.

### 10.2 Project Planning.

The contractor shall perform project planning and oversight activities such as: customer coordination and communications, responding to requests for information, problem resolution,

coordinating access to the Restricted Area and materials tracking. The contractor shall identify resources needed to accomplish the project and ensure all resources have the proper work authorizations and proper documentation.

10.2.1 Develop and deliver the project schedule.

10.2.2 Develop and deliver an implementation plan.

### 10.3 Requirements Identification.

The contractor shall coordinate and collaborate with the Contracting Officer's Technical Representative (COTR)/customer to identify, document and track all requirements.

10.3.1 Develop a Requirements Traceability Matrix (RTM) which identifies specific requirements, derived requirements, and all infrastructure requirements.

10.3.2 Vet the RTM with applicable stakeholders and receive approval by the COTR.

10.3.3 Manage the RTM as a "living document" and provide notification of all updates to the COTR.

### 10.4 Preliminary Design.

The contractor shall develop a component level architecture and preliminary design (65% solution). This interim design review is intended to ensure all requirements are being addressed, anticipated budget limitations are not being exceeded and that the drawings, design analysis, specifications, and cost estimate are proceeding in a timely manner and that the design criteria and RTM are being correctly interpreted. The contractor shall coordinate with the COTR/customer and baseline the preliminary design.

10.4.1 Submit a 65% complete design package. This interim design review is intended to ensure all requirements are being addressed, anticipated funding limitations are not being exceeded and that the drawings, design analysis, specifications, and cost estimate are proceeding in a timely manner and that the design criteria and RTM are being correctly interpreted. Drawings and specifications shall be in accordance with US Army Corps of Engineers Design Submission Requirements Manual (NANP-1110-1-1), contain linkage to the RTM, and includes the following items. (CDRL C004: Task Order HQ079618F8600: Engineering Documentation—Preliminary Design)

- Design analysis with all items 65% complete. Includes all backup material, design calculations, explanatory material giving the design rationale for any design decisions which would not be obvious to an engineer reviewing the design package.
- 65% complete drawings including those addressing construction phasing

- Specifications: redlined marked up specifications will be provided to allow reviewers to evaluate choices made by designers
- Information Technology (IT) Bill of Material (BOM)
- Non-IT Material Take off (i.e., quantity, square footage, linear footage)
- Leverage historical designs, lessons learned, and parts commonalities.

10.4.2 Develop Preliminary Review (PDR) material and present in accordance with the Systems Engineering Management Review (SEMR) process Design Review Board (DRB) and/or Engineering and Architecture Board (EAB) as specified in the milestone(s). (CDRL C005: Task Order HQ079618F8600: PDR Brief)

10.4.3 Adjudicate all PDR comments into the DDR.

## 10.5 Detailed Design.

The contractor shall develop a detailed design that captures specific architectures (architectural, electrical, mechanical, security and IT) necessary to execute projects. The contractor shall coordinate with the customer and baseline the detailed design.

10.5.1 Submit a 100% complete design package. Ensure drawings and specifications are submitted in accordance with US Army Corps of Engineers Design Submission Requirements Manual (NANP-1110-1-1), contain linkage to the RTM, and include the following items. (CDRL C006: Task Order HQ079618F8600: Engineering Documentation—Detailed Design)

- Design analysis with all items 100% complete. Includes all backup material previously submitted and revised, all design calculations, all explanatory material giving the design rationale for any design decisions which would not be obvious to an engineer reviewing the final drawings and specifications.
- 100% complete drawings including those addressing project construction phasing.
- Specifications (final edited specifications).
- IT BOM
- Non-IT Material Take off (e.g. quantity, square footage, linear footage, etc...)

10.5.2 Develop Detail Design Review (DDR) material and present in accordance with the SEMR process at DRB and/or EAB as specified in the milestone(s). Coordinate material with COTR prior to DRB and EAB. (CDRL C007: Task Order HQ079618F8600: DDR Brief)

10.5.3 Update Detailed Design documents as highlighted from all reviews.

## 10.6 Implementation.

The contractor shall develop the tasking instructions through an Implementation Plan (IP) for each task/project as detailed in the approved RTM and Detailed Design Plan. The contractor

shall execute the IP and complete all activities outlined in the RTM in accordance with the approved drawings and specifications, within the approved schedule. When designs/specifications are not provided (design-build) best value standard construction practices shall be followed.

10.6.1 Develop an IP to include a detailed schedule that identifies specific work sequencing, critical paths, procurement milestones/lead times, and document risks in sufficient detail to allow assessment of contractor cost / schedule performance. (CDRL C008: Task Order HQ079618F8600: Implementation Plan)

10.6.2 Perform a weekly progress review with the COTR. Include discussion of activities current and future, modifications in progress or anticipated, coordination with stakeholders, risks or constraints requiring attention, etc.

## 10.7 Closeout/Transition.

The contractor shall perform formal close out procedures, to include a formal walk-through of the project activity or area with the following stakeholders as applicable; MDIOC COTR, Government Customer, System Engineering (SE), Quality Assurance (QA), Safety, MDIOC Facilities Operations and Maintenance (FOM), Industrial Security and Physical Security.

10.7.1 Develop and complete a punch-list for incomplete or inadequate items to be addressed prior to official close out, and documentation requiring MDIOC COTR signature prior to official close out.

10.7.2 Provide a closeout/transition package which includes the following items. (CDRL C009: Task Order HQ079618F8600: Engineering Documentation—Project Closeout)

- Fully coordinated Change Request (CR) documentation (conformed drawings)
- Facility Installation Standard (FIS) waiver/deviation records
- Real Property Installed Equipment (RPIE) documentation (removal/replacement/new)
- Warranty information
- Greening initiatives documentation
- Budget/cost to complete data
- Punch list coordination and closure documentation.
- Transition or responsibility to Facilities, Engineering and Operations (FE&O)

## 11.0 Rapid Response.

The purpose of this task is to provide a rapid response capability to execute projects that entail revisions to architectural and facility systems to support new and changing missions and requirements. Modifications are simple in nature and required only minor design efforts.

**11.1** Examples include wall installation/modification, door relocation/installation, cable conveyance extensions, electrical power relocation/installation, carpet/tile installation, furniture procurement/installation, and system controls installation. Anticipate the implementation of approximately 12 projects based on the historical workload requirements. Each project shall be defined through a Mission Support Task (MST). After the MST is issued the contractor shall provide an engineering estimate, engineering artifacts, and implementation plan to the COTR as outlined in the MST. Upon stakeholder agreement the Contracting Officer will provide an authority to proceed for the contractor to execute and complete the project. The contractor shall establish a discrete work package for each MST. All MSTs will be identified in the PWS at 11.1 thru "n" and added to Attachment 1 to the PWS. The Task Change Requirement (TCR) process shall be followed when there is a need to document and communicate a potential cost, schedule, or requirements change to the MST.

- 11.1 Electronic Security System (ESS) Upgrade
- 11.2 Power Supply C2BMC Lab
- 11.3 CMAS Furniture Installation
- 11.4 SS Program Office Efficiency Reconfiguration
- 11.4r2 SS Program Office Efficiency Reconfiguration
- 11.5 C2BMC Lab Rooms Upgrades
- 11.6 Renovate Bldg 730 Rooms 104, 105, 105A, 105B
- 11.7 Infrastructure For VTC Install In 231 I
- 11.8 Bird Access Restriction, B34 and B40
- 11.9 Decommission and Dispose of ELMs
- 11.10 Upgrade Custodial Storage Room
- 11.11 Electrical Support for Shredder
- 11.12 Repair Drain Room 113
- 11.13 Building 720 Roof Repair Mitigation
- 11.14 Building 720 Roof Replacement Engineering Analysis
- 11.15 Procure and Install Furniture CSF 245, 262, 265
- 11.16 Procure and Install Furniture Multiple Rooms
- 11.27 105B Buildout (SS)
- 11.28 Electrical Support for Rack BI22 in 120I (SS)
- 11.29 CMAFS LRDR Furniture (Procure & Install)
- 11.30 DDW Furniture Refresh
- 11.31 Emergency Roof Repair Bldg 720
- 11.32 Procure server racks for room 220I (C2BMC)

Objective: The contractor shall perform all required planning, requirements definition, design, implementation, and closeout activities for each individual rapid response project as defined in the MST.

#### **11.1.1 Outcomes:**

- Accomplish the required planning, requirements definition, design, implementation, and closeout activities following an agile, streamlined approach.
- Report project summary and closeout information in the monthly Task Order Status Report (CDRL 002) for each completed project.

## **11.2 PPWP**

**11.2.1** Execute additional surge projects assuming the same scope of 12 projects as paragraph 11.0. This PPWP can be executed 1 time. This PPWP is executed with modification P00007.

**11.2.2** Execute additional surge projects assuming the same scope of 12 projects as paragraph 11.0. This PPWP can be executed 2 times.

## **12.0 Discrete Projects.**

This task outlines the specific projects that will be executed under this task order. A description of the projects are contained in the IS PMO MKO portal.

- 12.1 Mechanical Upgrade Quadrant 1400 Phase I Design (Basic Award)
- 12.1.R1 Mechanical Upgrade Quadrant 1400 Phase I Implementation (Rev E)
- 12.2 Fire Suppression System Compliance Design (Basic Award)
- 12.1.R2 Fire Suppression System Compliance Implementation (Rev E)
- 12.3 Upgrade Data Center Chilled Water Pumps and Piping Design (Basic Award)
- 12.3R1 Upgrade Data Center Chilled Water Pumps and Piping Implementation (Rev G)
- 12.4 Upgrade MCC 3400 Quadrant (Rev A), Amendment 1 (Rev B)
- 12.5 Non-Tech Power to Support Data Center HVAC (2200 Quad) Design (Rev A)
- 12.6 MDIOC Bathroom Modernization (Rev 4)
- 12.7 1205 Facility Modification – Design (Rev B)
- 12.7R1 1205 Facility Modification – Implementation (Rev H(b))
- 12.8 Bldg 720 Roof Replacement – Design (Rev F)
- 12.8r1 Roof Replacement Implementation (Rev I)
- 12.9 Renovate MCC-T (3401-10) (Rev E)
- 12.10 Construct ASBM SAP-F (Rev E)
- 12.11 Data Center 2201 Electrical – C2BMC – Design (Rev E)
- 12.11R1 Data Center 2201 Electrical – C2BMC – Implementation (Rev J)
- 12.12 Custodial Upgrades (Rev H(b))
- 12.13 Room 2301 Remodel

12.14 Room 2201 GNOSC Expansion

12.15 CERT Expansion



TO 8600 Task 12.1 Project Description Q



TO 8600 Task 12.2



TO 8600 Task 12.3



18F8600 Rev A Task



18F8600 Rev A Task



18F8600 Rev A Task



18F8600 Rev A Task



TO 8600 Task



12.4\_TCR\_MCC3400



TO\_8600 Task 12.8



TO\_8600\_Task\_12.9\_



TO\_8600\_Task\_12.10



TO 8600 Task 12.11 Project Descr 2201 C



TO\_8600\_Task\_12.12 02\_20190313\_18F86



02\_20190313\_18F86



TO\_8600\_Task\_12.1 TO\_8600\_Task\_12.2 R1\_Project\_Descripti



TO\_8600\_Task\_12.2



TO\_8600\_Task\_12.15



TO 8600 12.3R1



TO\_8600\_Task\_12.13



TO\_8600\_Task\_12.14 \_Proj\_Descrip\_Rm 220



18F8600 Proj12.6R4Proj\_Des



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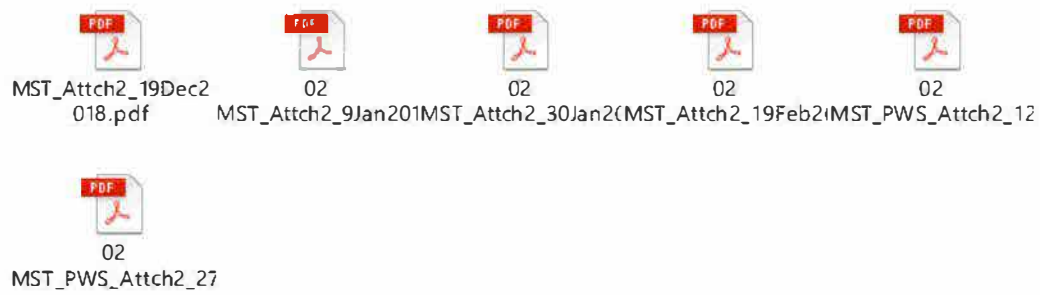


00-27\_12.11R1 Proje

## Attachment 1

### Mission Support Tasks (MSTs)

All MSTs issued against this task order are contained in the following embedded attachment:





**DEPARTMENT OF DEFENSE**  
**MISSILE DEFENSE AGENCY**  
**5700 18<sup>TH</sup> STREET**  
**FORT BELVOIR, VIRGINIA 22060-5573**

11 January 2018

**MEMORANDUM FOR JACOBS TECHNOLOGY, INC**

**SUBJECT: Technical Direction Letter (TDL) for Mission Support Task (MST), 18F8600-11.I, Electronic Security System Upgrade**

1. In accordance with HQ079618F8600 Performance Work Statement (PWS), para. 11.0, Rapid Response, request Jacobs Technology submit an engineering estimate for the subject project that includes the following cost elements:

- Labor categories
- Labor hours
- IT Hardware
- Non-IT Hardware

Include any risks, constraints, assumptions associated with this effort along with a proposed schedule to accomplish the work. It is acceptable to collaborate with the COTR during this process.

2. Please provide a response to this tasking at your earliest convenience, but no later than 7 business days from the date of this letter.

3. Once you have provided this information, the COTR and other government stakeholders will evaluate the individual cost elements. Once these elements have been agreed upon by the applicable stakeholders, the authority to proceed will be issued by the contracting officer. It is expected Jacobs Technology will then move budget from the existing planning package to a discrete work package associated with this project.

4. Contractual References.

- Contract: HQ079617D0001, Integrated Research & Development For Enterprise Solutions
- Task Order: HQ079618F8600, Infrastructure Support Projects

5. Government Contact Information.

- Contracting Officer's Technical Representative: (b)(6)
- Contracting Officer: (b)(6)

6. Background: The MDIOC Electronic Security System (ESS) is being upgrade to an "OnGuard" system. This task provides infrastructure support for the installation of the system to include architectural modification, electrical service and upgrade, and conveyance systems.

7. Description of Tasking:

The contractor shall support the installation of the "OnGuard" security system at the MDIOC. Work includes but is not limited to:

- Installation of exterior CCTV camera mounting system
- Installation of Basement conduit to support expanded ESS system
- Provide Tech Power Room 122; Field Panels 7 & 28
- Provide Tech Power Room 212; Field Panels 9 & 30
- Provide Tech Power Room 311; Field Panel 16
- Finish architectural features in Main and Basement Lobby work

8. Requested Milestones:

- Request finish architectural features be expedited for earliest delivery
- All other dates to support ESS installation contractor schedule
- Estimated completion of ESS installation – 30 March 2018

9. Assumptions:

- None

10. This MST does not constitute a change, as described by the "Changes" clause and does not constitute a basis for an increase in contract value or fee. Nothing contained in this technical direction is to be construed as in any way changing the current requirements of the TO. Should you disagree, you shall take no action concerning the technical direction, but shall notify me, COR and COTR in writing within five (5) calendar days of receipt of this direction and identify the impact on the TO. Failure to notify the Contracting Officer prevents the government from ensuring funding is available. Therefore, if you fail to notify me and fail to receive additional funding before you begin work, you might waive your rights to any equitable adjustment for work resulting from the technical direction.

(b)(6)

Contracting Officer

COORDINATION:

(b)(6)

Contracting Officer Technical Representative



**DEPARTMENT OF  
DEFENSE  
MISSILE DEFENSE AGENCY  
5700 18<sup>TH</sup> STREET  
FORT BELVOIR, VIRGINIA 22060-  
5573**

24 April 2018

MEMORANDUM FOR JACOBS TECHNOLOGY, INC

SUBJECT: Mission Support Task (MST), 18F8600-11.2R2, Power Support for C2BMC Test Lab Equipment

1. In accordance with HQ079618F8600 Performance Work Statement (PWS), para. 11.0, Rapid Response, request Jacobs Technology submit an engineering estimate for the subject project that includes the following cost elements:

- Labor categories
- Labor hours
- IT Hardware
- Non-IT Hardware

Include any risks, constraints, assumptions associated with this effort along with a proposed schedule to accomplish the work. It is acceptable to collaborate with the COTR during this process.

2. Please provide a response to this tasking at your earliest convenience, but no later than 12 business days from the date of this letter.

3. Once you have provided this information, the COTR and other government stakeholders will evaluate the individual cost elements. Once these elements have been agreed upon by the applicable stakeholders, the authority to proceed will be issued by the contracting officer. It is expected Jacobs Technology will then move budget from the existing planning package to a discrete work package associated with this project.

4. Contractual References.

- Contract: HQ079617D0001, Integrated Research & Development For Enterprise Solutions
- Task Order: HQ079618F8600, Infrastructure Support Projects

5. Government Contact Information.

- Contracting Officer's Technical Representative: (b)(6)
- Contracting Officer: (b)(6)

6. Background: JRDC TRD 9300, Task 3 completed the requirements for a project that will add new Spiral 8.2 Test Articles. These requirements included re-purposing existing

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equipment racks where power modifications and upgrades are needed. The customer requires a power design for these racks along with the implementation of the power to the racks.

7. Description of Tasking: Contractor shall complete the design of the power modifications listed in the table below:

Location (Room, Rack)	Rack Weight (including equipment load)	Electrical Load Description	Red/Black	UPS Required?	Diverse Power	Rack Height (in)	Rack Depth	Rack Width	Est BTU/HR (Rack Total)	Cooling Source	FIS Compliant Configuration ?	Waver Granted? (if not FIS compliant)	Notes
2201 AN57		208V/30A	Red		Y	84"	40"	24"		Underfloor	Y		add 2 power circuits
2201 AL57		208V/30A	Red		Y	84"	40"	24"		Underfloor	Y		remove 208V/30A Add 2 power circuits
2201 AK57		208V/30A	Red		Y	84"	40"	24"		Underfloor	Y		remove 208V/30A Add 2 power circuits
2201 AF54		110V/20A	Red		Y	84"	40"	24"		Underfloor	Y		Reuse existing 2 circuits
2201 AL46		208V/30A	Black	Y	Y	84"	40"	24"		Underfloor	Y		add 2 power circuits
2201 AK46		208V/30A	Black	Y	Y	84"	40"	24"		Underfloor	Y		add 2 power circuits
2201 AY37		208V/30A	Red		Y	84"	40"	24"		Underfloor	Y		add 3 power circuits
2201 AZ37		208V/30A	Red		Y	84"	40"	24"		Underfloor	Y		add 3 power circuits
2202 BA37		208V/30A	Red		Y	84"	40"	24"		Underfloor	Y		add 3 power circuits
2203 BB37		208V/30A	Red		Y	84"	40"	24"		Underfloor	Y		add 3 power circuits
2204 BC37		208V/30A	Red		Y	84"	40"	24"		Underfloor	Y		add 3 power circuits

- Contractor shall present the design to the government for approval prior to implementation.
- Contractor shall implement the power design, conduct validation and verification audits, and task closeout documentation.

Revision 1: Additional Electrical Requirement for Rack BY35 as follows:

- UPS A - 2 each - 30A, 208VAC, L6-30 receptacles
- UPS B - 2 each - 30 A, 208VAC, L6-30 receptacles

Revision 2: Additional Electrical Requirement for Rack BZ43 as follows:

- 1 each – 30A, 208VAC, L6-30 receptacle feed from 22CRB2L
- 1 each – 30A, 208VAC, L6-30 receptacle feed from 22CRA2N
- Ensure all drawings and labeling is updated.

Final receptacle configuration as follows:

- BZ43
  - 22CRB2L 30, 32 (existing)
  - 22CRA2N 29, 31 (existing)
  - 22CRB2L 5, 7 (new)
  - 22CRA2N 6, 8 (new)
- CA43
  - 22CRA2N 33, 35 (existing)
  - 22CRB2L 34, 36 (existing)
- CB43
  - 22CRA2N 37, 39 (existing)
  - 22CRB2L 38, 40 (existing)
- CC43 (Future)
  - 22CRA2N 02, 04 (existing)
  - 22CRB2L 01, 03 (existing)
- Mitigate power connections for BX43:
  - Ensure receptacles 22CRB2E 25,27 and 22CRA2D 34,36 are energized
  - Disconnect rack plug R2LNC4 4,6 and connect to receptacle 22CRB2E 25,27
  - Disconnect rack plug R2LNCR 8,10 and connect to receptacle 22CRA2D 34,36

8. Requested Milestones: The customer requires the power work complete by 30 March 2018. Revision 1 power work completed by 30 March 2018. Revision 1 work shall be extended to 31 May 2018 and revision 2 power work shall be completed by 31 May 2018.

9. Assumptions: None

10. This MST does not constitute a change, as described by the "Changes" clause and does not constitute a basis for an increase in contract value or fee. Nothing contained in this technical direction is to be construed as in any way changing the current requirements of the TO. Should you disagree, you shall take no action concerning the technical direction, but shall notify me, COR and COTR in writing within five (5) calendar days of receipt of this direction and identify the impact on the TO. Failure to notify the Contracting Officer prevents the government from ensuring funding is available. Therefore, if you fail to notify me and fail to receive additional funding before you begin work, you might waive your rights to any equitable adjustment for work resulting from the technical direction.

(b)(6)

Contracting Officer

COORDINATION:

(b)(6)

Alternate Contracting Officer Technical Representative



**DEPARTMENT OF DEFENSE  
MISSILE DEFENSE AGENCY  
5700 18<sup>TH</sup> STREET  
FORT BELVOIR, VIRGINIA 22060-5573**

22 January 2018

MEMORANDUM FOR JACOBS TECHNOLOGY, INC

SUBJECT: Mission Support Task (MST), 18F8600-11.3, CMAS Furniture Installation Support

1. In accordance with HQ079618F8600 Performance Work Statement (PWS), para. 11.0, Rapid Response, request Jacobs Technology submit an engineering estimate for the subject project that includes the following cost elements:

- Labor categories
- Labor hours
- IT Hardware
- Non-IT Hardware

Include any risks, constraints, assumptions associated with this effort along with a proposed schedule to accomplish the work. It is acceptable to collaborate with the COTR during this process.

2. Please provide a response to this tasking at your earliest convenience, but no later than 7 business days from the date of this letter.

3. Once you have provided this information, the COTR and other government stakeholders will evaluate the individual cost elements. Once these elements have been agreed upon by the applicable stakeholders, the authority to proceed will be issued by the contracting officer. It is expected Jacobs Technology will then move budget from the existing planning package to a discrete work package associated with this project.

4. Contractual References.

- Contract: HQ079617D0001, Integrated Research & Development For Enterprise Solutions
- Task Order: HQ079618F8600, Infrastructure Support Projects

5. Government Contact Information.

- Contracting Officer's Technical Representative (b)(6)
- Contracting Officer: (b)(6)

6. Background: The furniture at the Cheyenne Mountain alternate site requires refresh. Furniture is currently being procured through Task Order 8001 to support the refresh (procurement also includes the cost to install the furniture) and IT support is required to remove IT and communications on the current furniture and re-install after the new furniture is in place. This MST covers the removal and disposal of the old furniture and the IT support involved with the furniture refresh.

#### 7. Description of Tasking:

- The contractor shall support the installation of Winstead furniture as specified in the attached quote. (Furniture & furniture installation procured on 8001, Early Procurement)
  - o The contractor shall remove all IT from effected legacy furniture in CMAS.
  - o The contractor shall remove and dispose of all legacy furniture being replaced
  - o The contractor shall transport the government furnished furniture from MDIOC warehouse to CMAS
  - o The contractor shall locate all new Winstead furniture to MDA space within CMAS and transfer to Winstead installers
  - o Once new Winstead furniture is installed and checked out, the contractor shall reinstall IT on new furniture
  - o The contractor shall test and checkout all functionality of operation center capability prior to MST closeout

#### 8. Requested Milestones:

- Request schedule be established after arrival of Winstead furniture. Installation shall be completed within 60 days of Winstead furniture arrival at the MDIOC warehouse.

#### 9. Assumptions:

- None

10. This MST does not constitute a change, as described by the "Changes" clause and does not constitute a basis for an increase in contract value or fee. Nothing contained in this technical direction is to be construed as in any way changing the current requirements of the TO. Should you disagree, you shall take no action concerning the technical direction, but shall notify me, COR and COTR in writing within five (5) calendar days of receipt of this direction and identify the impact on the TO. Failure to notify the Contracting Officer prevents the government from ensuring funding is available. Therefore, if you fail to notify me and fail to receive additional funding before you begin work, you might waive your rights to any equitable adjustment for work resulting from the technical direction.

(b)(6)

Contracting Officer

#### COORDINATION:

(b)(6)

Contracting Officer Technical Representative



**DEPARTMENT OF DEFENSE  
MISSILE DEFENSE AGENCY  
5700 18<sup>TH</sup> STREET  
FORT BELVOIR, VIRGINIA 22060-5573**

25 January 2019

MEMORANDUM FOR JACOBS TECHNOLOGY, INC

SUBJECT: Mission Support Task (MST), 18F8600-11.4 Rev 2. SS Program Office Efficiency Reconfiguration

1. In accordance with HQ079618F8600 Performance Work Statement (PWS), para. 11.0, Rapid Response, request Jacobs Technology submit an engineering estimate for the subject project that includes the following cost elements:

- Labor categories
- Labor hours
- IT Hardware
- Non-IT Hardware

Include any risks, constraints, assumptions associated with this effort along with a proposed schedule to accomplish the work. It is acceptable to collaborate with the COTR during this process.

2. Please provide a response to this tasking at your earliest convenience, but no later than 7 business days from the date of this letter.

3. Once you have provided this information, the COTR and other government stakeholders will evaluate the individual cost elements. Once these elements have been agreed upon by the applicable stakeholders, the authority to proceed will be issued by the contracting officer. It is expected Jacobs Technology will then move budget from the existing planning package to a discrete work package associated with this project.

4. Contractual References.

- Contract: HQ079617D0001, Integrated Research & Development For Enterprise Solutions
- Task Order: HQ079618F8600, Infrastructure Support Projects

5. Government Contact Information.

- Contracting Officer's Technical Representative: (b)(6)
- Contracting Officer: (b)(6)

6. Background: The MDA Tracking System (MTS) is a new space program which is in the early stages of acquisition. The SS Program office is expanding to accommodate the new acquisition and additional seating is required to meet the growing workforce.

## 7. Description of Tasking:

- Contractor shall review the facility layout in Bldg 720, rooms in 1203 & 2300 quadrant and propose layout modifications to increase seating. Layout modifications may include furniture and/or equipment movement
- Contractor shall provide ROM cost for each proposed efficiency in such detail that MDA/SS leadership can select COAs they would like to proceed to implement.
- No implementation of any efficiencies shall be accomplished on this TDL.

Rev1: Customer has provided immediate specific requests to be satisfied by contractor. (Outlined in the attached)

Rev2: Customer has provided an additional requirement to be satisfied by the contractor. The contractor shall reconfigure 1203-05 (floor plan attached) to support a segregated collaboration area. The contractor shall reconfigure existing furniture to accommodate a total of 2 cubicles that meet the MDIOC standard and shall provide a conference table and chairs to seat 8 also compliant with the MDIOC standard.

A VTC is planned to be installed in 1203-05, the contractor shall provide infrastructure support for the planned VTC equipment. A dedicated 15A, wall mounted, recessed power drop for the VTC equipment shall be provided. The power receptacle shall be centered on the wall mounted VTC equipment. Blocking and other necessary infrastructure support shall be provided to support the mounting of the VTC unit to the wall. Cable conveyance for the peripheral equipment such as microphones, network cables, external video source feeds, touch panels, and control switching interfaces to connect to the VTC shall be provided. The conveyance opening shall be centered on the wall mounted VTC equipment.

Two (2) wall mounted 80" displays are planned to be installed in 1203-06, the contractor shall provide infrastructure support for the planned equipment. Two (2) dedicated 15A, wall mounted, recessed power drops shall be provided for each wall mounted display. Each wall mounted display shall have its two (2) power drops centered on the display. Blocking and other necessary infrastructure support shall be provided to support the mounting of the two (2) displays to the wall. Each display shall be provided with its own cable conveyance for the peripheral equipment such as external video source feeds and control from the equipment rack to connect to each display. Each conveyance opening shall be centered on the display equipment that it supports. Power for the existing equipment half rack shall be relocated to the front of the room, beside the two (2) wall mounted displays, in front of the built in cabinets.

A VTC is planned to be installed in 1203-07, the contractor shall provide infrastructure support for the planned VTC equipment. A dedicated 15A, wall mounted, recessed power drop for the VTC equipment shall be provided. The power receptacle shall be centered on the wall mounted VTC equipment. Blocking and other necessary infrastructure support shall be provided to support the mounting of the VTC unit to the wall. Cable conveyance for the peripheral equipment such as microphones, network cables, external video source feeds, touch panels, and control switching interfaces to connect to the VTC shall be provided. The conveyance opening shall be centered on the wall mounted VTC equipment.

The contractor shall coordinate the IT schedule in order to provide the infrastructure support in advance of the IT equipment installation. The contractor shall utilize available furniture stock to the maximum extent possible. The contractor shall provide a Bill of Materials (BOM) and layout for this space before any purchases are made. The MDIOC Space Planner shall review the BOM and layout before any purchases are made.

8. Requested Milestones: The customer's initial phase of new seating is needed by March 2018. A second wave is expected in FY19

Rev 1: The amended request shall be completed by 30 September 2018.

Rev2: The contractor shall work with the customer on need date for the reconfiguration and furniture to be purchased. The contractor shall complete all work activities 120 days from receipt of the authority to proceed.

9. Assumptions:

- None

10. This MST does not constitute a change, as described by the "Changes" clause and does not constitute a basis for an increase in contract value or fee. Nothing contained in this technical direction is to be construed as in any way changing the current requirements of the TO. Should you disagree, you shall take no action concerning the technical direction, but shall notify me, COR and COTR in writing within five (5) calendar days of receipt of this direction and identify the impact on the TO. Failure to notify the Contracting Officer prevents the government from ensuring funding is available. Therefore, if you fail to notify me and fail to receive additional funding before you begin work, you might waive your rights to any equitable adjustment for work resulting from the technical direction.

(b)(6)

Contracting Officer

COORDINATION:

(b)(6)

Alternate Contracting Officer Technical Representative



DEPARTMENT OF DEFENSE  
MISSILE DEFENSE AGENCY  
5700 18<sup>TH</sup> STREET  
FORT BELVOIR, VIRGINIA 22060-5573

23 February 2018

MEMORANDUM FOR JACOBS TECHNOLOGY, INC

SUBJECT: Mission Support Task (MST), 18F8600-11.5, C2BMC Test Lab Rooms

1. In accordance with HQ079618F8600 Performance Work Statement (PWS), para. 11.0, Rapid Response, request Jacobs Technology submit an engineering estimate for the subject project that includes the following cost elements:

- Labor categories
- Labor hours
- IT Hardware
- Non-IT Hardware

Include any risks, constraints, assumptions associated with this effort along with a proposed schedule to accomplish the work. It is acceptable to collaborate with the COTR during this process.

2. Please provide a response to this tasking no later than 28 business days from the date of this letter.

3. Once you have provided this information, the COTR and other government stakeholders will evaluate the individual cost elements. After these elements have been agreed upon by the applicable stakeholders, the authority to proceed will be issued by the contracting officer. It is expected Jacobs Technology will then move budget from the existing planning package to a discrete work package associated with this project.

4. Contractual References.

- Contract: HQ079617D0001, Integrated Research & Development For Enterprise Solutions
- Task Order: HQ079618F8600, Infrastructure Support Projects

5. Government Contact Information.

- Contracting Officer's Technical Representative (b)(6)
- Contracting Officer (b)(6)

6. Background. JRDC TRD 9300, Task 3 completed the requirements for a project that upgraded two lab rooms (3104-04 and 3107-03) to support Spiral 8.2 Test. These requirements include cosmetic refresh with paint, carpet, power in both 3104-04 and 3107-03, and new furniture in 3107-03. The customer requires a facility design and implementation

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7. Description of Tasking. The contractor shall complete the facility design given the following requirements:

**Room 720-3107-03 (First Priority)**

- Provide (3) ceiling pole mounts for (3) LCD's
- Provide power and cable conduits for pole mounts for corresponding LCD's
- Provide qty. (12) 20 Amp, NEMA L5-20RIG outlets under console furniture (new consoles)
- Patch and paint walls
- Replace all existing ceiling tiles with new 2x4 ceiling tiles
- Replace with new lighting
- Replace with new standard carpet
- Specify model and manufacturer for new cypher lock

**3107-03 Timeline:**

**Decommission:**

- BCX to decommission 3107-03 lab to prepare for facilities reconfiguration on or around 19 March, 2018

**Room 720-3104-04 (Second Priority)**

- Provide (2) ceiling pole mounts with power and cable conduit to support (2) LCD's
- Prep (1) South wall with power, cable conduit, and backing support for future LCD mount (the actual LCD mount will be procured and installed by BCX at a future date)
- Patch and paint walls
- Replace with new standard carpet
- Replace all existing ceiling tiles with new 2x4 ceiling tiles

**3104-04 Timeline:**

**Decommission:**

- BCX to decommission 3104-04 lab to prepare for facilities reconfiguration on or around 19 February, 2018

**Installation:**

- Contractor shall present the design to the government for approval prior to implementation.
- Contractor shall implement the facility upgrades, conduct validation and verification audits, and task closeout documentation.

8. Delivery Requirements.

The customer requires the 3107-03 facility work complete by 30 April 2018, and the 3104-04 facility work complete by 15 May 2018. Lead times for the lighting may hamper Jacobs' ability to be complete 3107-03 by 30 April 2018. If this occurs, Jacobs would not complete 3107-03 until 15 May 2018, but BCX personnel could begin their efforts in that room while Jacobs finishes the lighting.

## 9. Assumptions/Constraints.

Room 3107-03

- BCX will purchase new lab console furniture through vendor
- BCX will have vendor install new lab console furniture
- BCX will escort the furniture installation vendor

10. This MST does not constitute a change, as described by the "Changes" clause and does not constitute a basis for an increase in contract value or fee. Nothing contained in this technical direction is to be construed as in any way changing the current requirements of the TO. Should you disagree, you shall take no action concerning the technical direction, but shall notify me, COR and COTR in writing within five (5) calendar days of receipt of this direction and identify the impact on the TO. Failure to notify the Contracting Officer prevents the government from ensuring funding is available. Therefore, if you fail to notify me and fail to receive additional funding before you begin work, you might waive your rights to any equitable adjustment for work resulting from the technical direction.

(b)(6)

Contracting Officer

COORDINATION:

(b)(6)

Contracting Officer Technical Representative



DEPARTMENT OF DEFENSE  
MISSILE DEFENSE AGENCY  
5700 18<sup>TH</sup> STREET  
FORT BELVOIR, VIRGINIA 22060-5573

23 February 2018

MEMORANDUM FOR JACOBS TECHNOLOGY, INC

SUBJECT: Mission Support Task (MST), 18F8600-11.6, Renovate Bldg 730 Rooms 104, 105, 105A, 105B

1. In accordance with HQ079618F8600 Performance Work Statement (PWS), para. 11.0, Rapid Response, request Jacobs Technology submit an engineering estimate for the subject project that includes the following cost elements:

- Labor categories
- Labor hours
- IT Hardware
- Non-IT Hardware

Include any risks, constraints, assumptions associated with this effort along with a proposed schedule to accomplish the work. It is acceptable to collaborate with the COTR during this process.

2. Please provide a response to this tasking no later than 28 business days from the date of this letter.

3. Once you have provided this information, the COTR and other government stakeholders will evaluate the individual cost elements. After these elements have been agreed upon by the applicable stakeholders, the authority to proceed will be issued by the contracting officer. It is expected Jacobs Technology will then move budget from the existing planning package to a discrete work package associated with this project.

4. Contractual References.

- Contract: HQ079617D0001, Integrated Research & Development For Enterprise Solutions
- Task Order: HQ079618F8600, Infrastructure Support Projects

5. Government Contact Information.

- Contracting Officer's Technical Representative: (b)(6)
- Contracting Officer: (b)(6)

6. Background. The 105 complex has been utilized as a special project area for the last 5 years and requires a refresh in carpet and paint before returning the capability to its original purpose as an event center. The objective of this MST is to remove the legacy furniture, refresh the carpet and paint in the identified rooms and installing government furnished furniture (located in Bldg 720, Cable Chase).

7. Description of Tasking. The contractor shall complete the refresh of Bldg 720 Rooms 104, 105, 105A and 105B. Work includes the following:

- Removal of legacy furniture, appliances, and equipment (to include 2 printers in 105A and file cabinets in 105)
- Patch and paint all identified rooms
- Replace ceiling tiles (as needed) throughout all identified rooms
- Replace the carpeting and cove base (as needed). Utilize available carpeting previously procured for this effort.
- Install government furnished furniture (located in Bldg 720, Cable Chase)
- Ensure all VTC's/projectors/microphones/speakers located in 105A/B are configured reconnected to their previous state.
- Install executive desk into room 104 (desk is GFE)
- Provide ULAN/CLAN connectivity to the executive furniture in room 104
- Provide underfloor power to executive furniture in room 104
- Procure and install 3 executive whiteboards in room 105A

8. Requested Milestones.

- All work be completed by 4 May 2018 or earlier.

9. Assumptions.

- Jacobs receives authority to proceed and have full control of the rooms by 2 Apr 2018.
- VTC's/projectors/microphones/and speakers previously had full operational capability.

10. This MST does not constitute a change, as described by the "Changes" clause and does not constitute a basis for an increase in contract value or fee. Nothing contained in this technical direction is to be construed as in any way changing the current requirements of the TO. Should you disagree, you shall take no action concerning the technical direction, but shall notify me, COR and COTR in writing within five (5) calendar days of receipt of this direction and identify the impact on the TO. Failure to notify the Contracting Officer prevents the government from ensuring funding is available. Therefore, if you fail to notify me and fail to receive additional funding before you begin work, you might waive your rights to any equitable adjustment for work resulting from the technical direction.

(b)(6)

Contracting Officer

COORDINATION:

(b)(6)

Contracting Officer Technical Representative



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2 March 2018

**MEMORANDUM FOR JACOBS TECHNOLOGY, INC**

**SUBJECT: Mission Support Task (MST), 18F8600-11.7, Install Infrastructure to Support VTC Install in 2311**

1. In accordance with HQ079618F8600 Performance Work Statement (PWS), para. 11.0, Rapid Response, request Jacobs Technology submit an engineering estimate for the subject project that includes the following cost elements:

- Labor categories
- Labor hours
- IT Hardware
- Non-IT Hardware

Include any risks, constraints, assumptions associated with this effort along with a proposed schedule to accomplish the work. It is acceptable to collaborate with the COTR during this process.

2. Please provide a response to this tasking no later than 7 business days from the date of this letter.

3. Once you have provided this information, the COTR and other government stakeholders will evaluate the individual cost elements. After these elements have been agreed upon by the applicable stakeholders, the authority to proceed will be issued by the contracting officer. It is expected Jacobs Technology will then move budget from the existing planning package to a discrete work package associated with this project.

4. Contractual References.

- Contract: HQ079617D0001, Integrated Research & Development For Enterprise Solutions
- Task Order: HQ079618F8600, Infrastructure Support Projects

5. Government Contact Information.

- Contracting Officer's Technical Representative: (b)(6)
- Contracting Officer: (b)(6)

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6. Background. The VTC is being upgraded on the MICS Contract in Bldg 720, Room 2311. Infrastructure modifications is required to support the install which is the purpose of this MST.

7. Description of Tasking. Provide infrastructure modifications to support the installation of a new VTC in Bldg 720, Room 2311 (Design Attached).

8. Requested Milestones: Support activities completed by 23 March 2018

9. Assumptions.

10. This MST does not constitute a change, as described by the "Changes" clause and does not constitute a basis for an increase in contract value or fee. Nothing contained in this technical direction is to be construed as in any way changing the current requirements of the TO. Should you disagree, you shall take no action concerning the technical direction, but shall notify me, COR and COTR in writing within five (5) calendar days of receipt of this direction and identify the impact on the TO. Failure to notify the Contracting Officer prevents the government from ensuring funding is available. Therefore, if you fail to notify me and fail to receive additional funding before you begin work, you might waive your rights to any equitable adjustment for work resulting from the technical direction.

(b)(6)

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Contracting Officer Technical Representative



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2 March 2018

**MEMORANDUM FOR JACOBS TECHNOLOGY, INC**

**SUBJECT: Mission Support Task (MST), 18F8600-11.8, Bird Access Restriction, B35 & B40**

1. In accordance with HQ079618F8600 Performance Work Statement (PWS), para. 11.0, Rapid Response, request Jacobs Technology submit an engineering estimate for the subject project that includes the following cost elements:

- Labor categories
- Labor hours
- IT Hardware
- Non-IT Hardware

Include any risks, constraints, assumptions associated with this effort along with a proposed schedule to accomplish the work. It is acceptable to collaborate with the COTR during this process.

2. Please provide a response to this tasking no later than 30 business days from the date of this letter.

3. Once you have provided this information, the COTR and other government stakeholders will evaluate the individual cost elements. After these elements have been agreed upon by the applicable stakeholders, the authority to proceed will be issued by the contracting officer. It is expected Jacobs Technology will then move budget from the existing planning package to a discrete work package associated with this project.

**4. Contractual References.**

- Contract: HQ079617D0001, Integrated Research & Development For Enterprise Solutions
- Task Order: HQ079618F8600, Infrastructure Support Projects

**5. Government Contact Information.**

- Contracting Officer's Technical Representative: (b)(6)
- Contracting Officer: (b)(6)

6. Background. On 27 September 2017, the Fish and Wildlife Service, Mountain-Priorie Region visited the MDIOC with concerns that birds were being trapped in B35 & B40 (Transformer

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Pits) and dieing. They have suggested placing a metal screen material over the grating to keep birds from being trapped in the pit. The corrective action is required to be complete by the beginning of the 2018 migration season. See attached United States Department of the Interior letter dated 13 December 2017.

7. Description of Tasking. Develop and implement a corrective action that will prevent birds from entering B35 & B40, as well as the 5 exhaust pits on the exterior of building 720. Related tasking includes:

- Identify and remove any non-functional equipment located on the antenna farm. Functional equipment on the antenna farm cannot be disturbed during implementation of the solution.
- Remove any weather heads and associated conduits that are not being utilized.

8. Requested Milestones. Request that the corrective action be implemented by 31 May 2018.

9. Assumptions. None

10. This MST does not constitute a change, as described by the "Changes" clause and does not constitute a basis for an increase in contract value or fee. Nothing contained in this technical direction is to be construed as in any way changing the current requirements of the TO. Should you disagree, you shall take no action concerning the technical direction, but shall notify me, COR and COTR in writing within five (5) calendar days of receipt of this direction and identify the impact on the TO. Failure to notify the Contracting Officer prevents the government from ensuring funding is available. Therefore, if you fail to notify me and fail to receive additional funding before you begin work, you might waive your rights to any equitable adjustment for work resulting from the technical direction.

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19 March 2018

**MEMORANDUM FOR JACOBS TECHNOLOGY, INC**

**SUBJECT:** Mission Support Task (MST), 18F8600-11.9, Decommission and dispose of ELMs, Bldg. 730

1. In accordance with HQ079618F8600 Performance Work Statement (PWS), para. 11.0, Rapid Response, request Jacobs Technology submit an engineering estimate for the subject project that includes the following cost elements:

- Labor categories
- Labor hours
- IT Hardware
- Non-IT Hardware

Include any risks, constraints, assumptions associated with this effort along with a proposed schedule to accomplish the work. It is acceptable to collaborate with the COTR during this process.

2. Please provide a response to this tasking no later than 8 business days from the date of this letter.

3. Once you have provided this information, the COTR and other government stakeholders will evaluate the individual cost elements. After these elements have been agreed upon by the applicable stakeholders, the authority to proceed will be issued by the contracting officer. It is expected Jacobs Technology will then move budget from the existing planning package to a discrete work package associated with this project.

4. Contractual References.

- Contract: HQ079617D000I, Integrated Research & Development For Enterprise Solutions
- Task Order: HQ079618F8600, Infrastructure Support Projects

5. Government Contact Information.

- Contracting Officer's Technical Representative: (b)(6)
- Contracting Officer: (b)(6)

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6. Background. The Emergency Lighting Modules (ELMs) that support Bldg 730 are at end-of-life and require replacement. The IRES engineering assessment indicates that utilizing the available capability on the existing ELM-S (located in Bldg 720, Rm B39) and extending the capability to support Bldg 730 is the best value to the government. This approach will reduce recurring maintenance and unnecessary battery replacement on 5 ELMs currently supporting Building 730.

7. Description of Tasking. Decommission and dispose of the ELMs in Bldg. 730. Work includes but is not limited to:

- Extending emergency lighting capability from ELM-S to support Bldg 730
- Removal and disposal of legacy ELMs in Bldg 730, Rooms 112 (2 each), 203, 303 & B32

8. Requested Milestones. Request all work be complete by 31 August 2018.

9. Assumptions.

10. This MST does not constitute a change, as described by the "Changes" clause and does not constitute a basis for an increase in contract value or fee. Nothing contained in this technical direction is to be construed as in any way changing the current requirements of the TO. Should you disagree, you shall take no action concerning the technical direction, but shall notify me, COR and COTR in writing within five (5) calendar days of receipt of this direction and identify the impact on the TO. Failure to notify the Contracting Officer prevents the government from ensuring funding is available. Therefore, if you fail to notify me and fail to receive additional funding before you begin work, you might waive your rights to any equitable adjustment for work resulting from the technical direction.

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3 April 2018

MEMORANDUM FOR JACOBS TECHNOLOGY, INC.

SUBJECT: Mission Support Task (MST), 18F8600-11.10, Upgrade Custodial Storage Room

1. In accordance with HQ079618F8600 Performance Work Statement (PWS), para. 11.0, Rapid Response, request Jacobs Technology submit an engineering estimate for the subject project that includes the following cost elements:

- Labor categories
- Labor hours
- IT Hardware
- Non-IT Hardware

Include any risks, constraints, assumptions associated with this effort along with a proposed schedule to accomplish the work. It is acceptable to collaborate with the COTR during this process.

2. Please provide a response to this tasking at your earliest convenience, but no later than 10 business days from the date of this letter.
3. Once you have provided this information, the COTR and other government stakeholders will evaluate the individual cost elements. Once these elements have been agreed upon by the applicable stakeholders, the authority to proceed will be issued by the contracting officer. It is expected Jacobs Technology will then move budget from the existing planning package to a discrete work package associated with this project.
4. Contractual References.
  - Contract: HQ079617D0001, Integrated Research & Development For Enterprise Solutions
  - Task Order: HQ079618F8600, Infrastructure Support Projects
5. Government Contact Information.
  - Contracting Officer's Technical Representative: (b)(6)
  - Contracting Officer: (b)(6)

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6. Background: The MDIOC Custodial Contractor, Goodwill Industrial Services Corporation (GISC), a subcontractor to Huntsville Rehabilitation Foundation, currently has their office and breakroom in Room 115, supply storage in Room 136-1, and is storing battery powered equipment in Room 136 under a temporary arrangement. In order to consolidate their operations within MDIOC, provide adequate space for storage of equipment and consumable supplies, and remove their equipment from its present location in the mechanical room, facility support is required for them to relocate their office to Room 136-01 and their supply and equipment storage to Room 115.

7. Description of Tasking for each room:

- Contractor shall complete the facility design given the following requirements:
  - Objective: Prepare room 115 for custodial supply, equipment storage, and equipment charging capability. Work includes, but is not limited to:
    - Compliant with OSHA and NFPA including wall-mounted, self-contained eye wash station with signage (minimum 15 minute deluge) and the addition of fire alarm notification appliances (horn and strobe).
    - Remove room contents and prepare area for custodial supply, equipment storage, and equipment charging.
    - Adjust electrical and HVAC infrastructure as required including two, 20A, GFI protected circuits to service up to three trickle chargers each.
  - Objective: Prepare room 136-01 for custodial office, break area, locker storage, and washer and dryer service. Work includes, but is not limited to:
    - Paint walls
    - Install new standard carpet tile
    - Relocate the 2 Internet/ Phone lines for 115 to 136-01.
    - Install new ceiling lighting.
    - Adjust electrical and HVAC infrastructure as required
    - Relocate and hang 2 each white boards and cork boards from 115 to 136-01
    - Provide plumbing and electrical service for one each, standard size Washer and Dryer. Dryer circuit must be 220V, GFI protected with three-prong outlet. Dryer venting must go directly to the outside of the building and if through fire rated wall, the penetrations must be restored to original fire rating.
    - Compliant with OSHA and NFPA including the addition of fire alarm notification appliances (horn and strobe).
  - Customer will relocate all furnishings and equipment except as specified above.
- Contractor shall present the design to the government for approval prior to implementation.

8. Delivery Requirements: The customer requires the upgrades to be completed soonest in order to be able to relocate equipment from the mechanical room. Confirm schedule with customer.

9. Assumptions:

- None

10. Constraints:

- None

11. This MST does not constitute a change, as described by the "Changes" clause and does not constitute a basis for an increase in contract value or fee. Nothing contained in this technical direction is to be construed as in any way changing the current requirements of the TO. Should you disagree, you shall take no action concerning the technical direction, but shall notify me, COR and COTR in writing within five (5) calendar days of receipt of this direction and identify the impact on the TO. Failure to notify the Contracting Officer prevents the government from ensuring funding is available. Therefore, if you fail to notify me and fail to receive additional funding before you begin work, you might waive your rights to any equitable adjustment for work resulting from the technical direction.

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Contracting Officer

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TO8600 COTR



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3 April 2018

**MEMORANDUM FOR JACOBS TECHNOLOGY, INC**

**SUBJECT:** Mission Support Task (MST), 18F8600-11.11, Install Electrical Support for Solid State Shredder in B54

1. In accordance with HQ079618F8600 Performance Work Statement (PWS), para. 11.0, Rapid Response, request Jacobs Technology submit an engineering estimate for the subject project that includes the following cost elements:

- Labor categories
- Labor hours
- IT Hardware
- Non-IT Hardware

Include any risks, constraints, assumptions associated with this effort along with a proposed schedule to accomplish the work. It is acceptable to collaborate with the COTR during this process.

2. Please provide a response to this tasking no later than 10 business days from the date of this letter.

3. Once you have provided this information, the COTR and other government stakeholders will evaluate the individual cost elements. After these elements have been agreed upon by the applicable stakeholders, the authority to proceed will be issued by the contracting officer. It is expected Jacobs Technology will then move budget from the existing planning package to a discrete work package associated with this project.

**4. Contractual References.**

- Contract: HQ079617D0001, Integrated Research & Development For Enterprise Solutions
- Task Order: HQ079618F8600, Infrastructure Support Projects

**5. Government Contact Information.**

- Contracting Officer's Technical Representative: (b)(6)
- Contracting Officer: (b)(6)

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6. Background. MDIOC currently has no local capability for destroying classified hard drives. They can be shipped to the Pentagon, but this incurs cost and a higher potential these drives become lost and classified information is compromised. This MST provides for the installation of a 200-240V outlet in the mailroom to power a NSA evaluated shredder which can destroy solid state storage media as well as CDs and DVDs to 2mm and smaller particulate size.

7. Description of Tasking.

- The Contractor shall provide electrical support (200-240V, single phase, 50/60 Hz, 6 A) for a Solid State Shredder (see attached SSMD-2mm Brochure) in B54, Bldg. 720. The contractor shall coordinate with the user to select a location which will accommodate a shredder with dimensions of 27" W x 42.5" D x 48" H.
- The shredder will be GFE.

8. Requested Milestones. Contractor shall coordinate with the user for an acceptable timeframe to perform the work. Expect the shredder delivered to the MDIOC by 24 April 2018.

9. Assumptions.

10. This MST does not constitute a change, as described by the "Changes" clause and does not constitute a basis for an increase in contract value or fee. Nothing contained in this technical direction is to be construed as in any way changing the current requirements of the TO. Should you disagree, you shall take no action concerning the technical direction, but shall notify me, COR and COTR in writing within five (5) calendar days of receipt of this direction and identify the impact on the TO. Failure to notify the Contracting Officer prevents the government from ensuring funding is available. Therefore, if you fail to notify me and fail to receive additional funding before you begin work, you might waive your rights to any equitable adjustment for work resulting from the technical direction.

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3 April 2018

MEMORANDUM FOR JACOBS TECHNOLOGY, INC

SUBJECT: Mission Support Task (MST), 18F8600-11.12, Repair Drain Room 113

1. In accordance with HQ079618F8600 Performance Work Statement (PWS), para. 11.0, Rapid Response, request Jacobs Technology submit an engineering estimate for the subject project that includes the following cost elements:

- Labor categories
- Labor hours
- IT Hardware
- Non-IT Hardware

Include any risks, constraints, assumptions associated with this effort along with a proposed schedule to accomplish the work. It is acceptable to collaborate with the COTR during this process.

2. Please provide a response to this tasking no later than 10 business days from the date of this letter.

3. Once you have provided this information, the COTR and other government stakeholders will evaluate the individual cost elements. After these elements have been agreed upon by the applicable stakeholders, the authority to proceed will be issued by the contracting officer. It is expected Jacobs Technology will then move budget from the existing planning package to a discrete work package associated with this project.

4. Contractual References.

- Contract: HQ079617D0001, Integrated Research & Development For Enterprise Solutions
- Task Order: HQ079618F8600, Infrastructure Support Projects

5. Government Contact Information.

- Contracting Officer's Technical Representative: (b)(6)
- Contracting Officer: (b)(6)

6. Background. The waste water drain in Bldg 730, Rm 113 continually backs up. The current drain configuration does not provide the capability to adequately snake the line from the first

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floor drain which causes the facility technicians to gain access to the drain from the basement mechanical room. Maintenance from the basement location is not easily accessible and safety has determined that an alternate method is required to be designed.

7. Description of Tasking. Redesign the existing piping in Room 113 so that the facility technicians can snake the cleanouts from the first floor or the basement without the need for elevated access.

8. Requested Milestones. 31 August 2018

9. Assumptions. None

10. This MST does not constitute a change, as described by the "Changes" clause and does not constitute a basis for an increase in contract value or fee. Nothing contained in this technical direction is to be construed as in any way changing the current requirements of the TO. Should you disagree, you shall take no action concerning the technical direction, but shall notify me, COR and COTR in writing within five (5) calendar days of receipt of this direction and identify the impact on the TO. Failure to notify the Contracting Officer prevents the government from ensuring funding is available. Therefore, if you fail to notify me and fail to receive additional funding before you begin work, you might waive your rights to any equitable adjustment for work resulting from the technical direction.

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23 April 2018

MEMORANDUM FOR JACOBS TECHNOLOGY, INC

SUBJECT: Mission Support Task (MST), 18F8600-11.13, Building 720 Roof Repair/Mitigation

1. In accordance with HQ079618F8600 Performance Work Statement (PWS), para. 11.0, Rapid Response, request Jacobs Technology submit an engineering estimate for the subject project that includes the following cost elements:

- Labor categories
- Labor hours
- IT Hardware
- Non-IT Hardware

Include any risks, constraints, assumptions associated with this effort along with a proposed schedule to accomplish the work. It is acceptable to collaborate with the COTR during this process.

2. Please provide a response to this tasking no later than 7 business days from the date of this letter.

3. Once you have provided this information, the COTR and other government stakeholders will evaluate the individual cost elements. After these elements have been agreed upon by the applicable stakeholders, the authority to proceed will be issued by the contracting officer. It is expected Jacobs Technology will then move budget from the existing planning package to a discrete work package associated with this project.

4. Contractual References.

- Contract: HQ07961 7D0001, Integrated Research & Development For Enterprise Solutions
- Task Order: HQ079618F8600, Infrastructure Support Projects

5. Government Contact Information.

- Contracting Officer's Technical Representative: (b)(6)
- Contracting Officer: (b)(6)

6. Background. Schriever AFB has experienced severe wind storms between 13 – 17 April 2018. On 18 April, a roof inspection of Building 720, discovered that roof damage has been

experienced to include additional delamination of the roof membrane, penetration of the roof membrane, and damage to roof flashing and the lighting protection system. The predominant location of the damage appeared to occur on the South/Southwest edges of the roof, but repairs/mitigation may be needed in other areas of the roof as well.

7. Description of Tasking. The contractor shall provide immediate roof repair and mitigation to limit the entrance of rain and snow and reinforce the existing roof system to resist future wind storms. The repair and mitigation is required to bridge the period of time needed for design and implementation of a complete roof replacement.

8. Requested Milestones. ASAP, this is an emergency repair action.

9. Assumptions.

10. This MST does not constitute a change, as described by the "Changes" clause and does not constitute a basis for an increase in contract value or fee. Nothing contained in this technical direction is to be construed as in any way changing the current requirements of the TO. Should you disagree, you shall take no action concerning the technical direction, but shall notify me, COR and COTR in writing within five (5) calendar days of receipt of this direction and identify the impact on the TO. Failure to notify the Contracting Officer prevents the government from ensuring funding is available. Therefore, if you fail to notify me and fail to receive additional funding before you begin work, you might waive your rights to any equitable adjustment for work resulting from the technical direction.

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Contracting Officer

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Alternate Contracting Officer Technical Representative



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15 May 2018

**MEMORANDUM FOR JACOBS TECHNOLOGY, INC**

**SUBJECT: Mission Support Task (MST), 18F8600-11.14, Building 720 Roof Replacement Engineering Analysis**

1. In accordance with HQ079618F8600 Performance Work Statement (PWS), para. 11.0, Rapid Response, request Jacobs Technology submit an engineering estimate for the subject project that includes the following cost elements:

- Labor categories
- Labor hours
- IT Hardware
- Non-IT Hardware

Include any risks, constraints, assumptions associated with this effort along with a proposed schedule to accomplish the work. It is acceptable to collaborate with the COTR during this process.

2. Please provide a response to this tasking no later than 7 business days from the date of this letter.

3. Once you have provided this information, the COTR and other government stakeholders will evaluate the individual cost elements. After these elements have been agreed upon by the applicable stakeholders, the authority to proceed will be issued by the contracting officer. It is expected Jacobs Technology will then move budget from the existing planning package to a discrete work package associated with this project.

**4. Contractual References.**

- Contract: HQ079617D0001, Integrated Research & Development For Enterprise Solutions
- Task Order: HQ079618F8600, Infrastructure Support Projects

**5. Government Contact Information.**

- Contracting Officer's Technical Representative: (b)(6)
- Contracting Officer: (b)(6)

6. Background. The roof on building 720 has numerous signs of catastrophic failure. Currently limited mitigations are being set forth; however, these are only short term solutions. Schriever AFB has experienced severe wind storms between 13 – 17 April 2018. On 18 April, a roof inspection of Building 720, discovered that roof damage has been experienced to include additional delamination of the roof membrane, penetration of the roof membrane, and damage to roof flashing and the lighting protection system.

7. Description of Tasking. The contractor shall provide engineering analysis of the current roof condition and prevalent environmental design parameters and provide recommendations on roof replacement options that are consistent with UFC 301 10-03, Change 2, 1 Jan 2017. Roof replacement analysis and evaluation shall include life-cycle-costs, durability and maintainability of the system consistent with local environmental conditions, and warranty availability. Other factors that require attention include: 1) Lightning protection removal, replacement, and re-certification; 2) Installing of a complete free-standing passive fall protection around the outside edge of the Bldg. 720 roof surfaces; and 3) Demolition and removal of unnecessary roof penetrations, structures, vents, cameras, and legacy fall protection system.

8. Requested Milestones. ASAP, this engineering analysis and recommendation is critical to proceed with a follow-on design and implementation of a roof replacement project.

9. Assumptions. Recommendations shall address potential moisture penetration of the roofing system from the interior of the structure.

10. This MST does not constitute a change, as described by the "Changes" clause and does not constitute a basis for an increase in contract value or fee. Nothing contained in this technical direction is to be construed as in any way changing the current requirements of the TO. Should you disagree, you shall take no action concerning the technical direction, but shall notify me, COR and COTR in writing within five (5) calendar days of receipt of this direction and identify the impact on the TO. Failure to notify the Contracting Officer prevents the government from ensuring funding is available. Therefore, if you fail to notify me and fail to receive additional funding before you begin work, you might waive your rights to any equitable adjustment for work resulting from the technical direction.

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3 May 2018

**MEMORANDUM FOR JACOBS TECHNOLOGY, INC**

**SUBJECT:** Mission Support Task (MST), 18F8600-11.15, Procure and Install Furniture 265, 262 & 245

1. In accordance with HQ079618F8600 Performance Work Statement (PWS), para. 11.0, Rapid Response, request Jacobs Technology submit an engineering estimate for the subject project that includes the following cost elements:

- Labor categories
- Labor hours
- IT Hardware
- Non-IT Hardware

Include any risks, constraints, assumptions associated with this effort along with a proposed schedule to accomplish the work. It is acceptable to collaborate with the COTR during this process.

2. Please provide a response to this tasking no later than 10 business days from the date of this letter.

3. Once you have provided this information, the COTR and other government stakeholders will evaluate the individual cost elements. After these elements have been agreed upon by the applicable stakeholders, the authority to proceed will be issued by the contracting officer. It is expected Jacobs Technology will then move budget from the existing planning package to a discrete work package associated with this project.

**4. Contractual References.**

- Contract: HQ079617D0001, Integrated Research & Development For Enterprise Solutions
- Task Order: HQ079618F8600, Infrastructure Support Projects

**5. Government Contact Information.**

- Contracting Officer's Technical Representative: (b)(6)
- Contracting Officer: (b)(6)

6. Background. The office furniture in executive rooms 245, 262, 265 is old and requires refresh.

7. Description of Tasking.

The contractor shall support the installation of new equipment as specified in the attached bill of materials.

- The contractor shall remove and dispose of all legacy furniture being replaced.
- The contractor shall install new furniture per attached specifications.
- The contractor shall repair/paint walls as specified.
- The contractor shall test and checkout all functionality of capabilities prior to MST closeout.
- Room 265
  - Procure and install executive furniture per customer specifications.
  - Procure and install under desk keyboard tray.
  - Procure and install 4'x6'magnetic white board to replace existing.
- Room 262
  - Procure and install executive furniture per customer specifications.
  - Procure and install 4'x6'magnetic white board to replace existing.
- Room 245
  - Remove existing furniture (except for safe) and IT equipment, to include overhead monitor conveyance.
  - Procure and install executive furniture per customer specifications. Use standard issue sled chairs for conference table.

8. Requested Milestones. The contractor shall establish a project schedule within 30 days of MST issuance to proceed. Installation shall be coordinated with customer.

9. Assumptions. None

10. This MST does not constitute a change, as described by the "Changes" clause and does not constitute a basis for an increase in contract value or fee. Nothing contained in this technical the impact on the TO. Failure to notify the Contracting Officer prevents the government from ensuring funding is available. Therefore, if you fail to notify me and fail to receive additional funding before you begin work, you might waive your rights to any equitable adjustment for work resulting from the technical direction.

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3 May 2018

**MEMORANDUM FOR JACOBS TECHNOLOGY, INC**

**SUBJECT: Mission Support Task (MST), 18F8600-11.16, Procure and Install Furniture Multiple Rooms**

1. In accordance with HQ079618F8600 Performance Work Statement (PWS), para. 11.0, Rapid Response, request Jacobs Technology submit an engineering estimate for the subject project that includes the following cost elements:

- Labor categories
- Labor hours
- IT Hardware
- Non-IT Hardware

Include any risks, constraints, assumptions associated with this effort along with a proposed schedule to accomplish the work. It is acceptable to collaborate with the COTR during this process.

2. Please provide a response to this tasking no later than 10 business days from the date of this letter.

3. Once you have provided this information, the COTR and other government stakeholders will evaluate the individual cost elements. After these elements have been agreed upon by the applicable stakeholders, the authority to proceed will be issued by the contracting officer. It is expected Jacobs Technology will then move budget from the existing planning package to a discrete work package associated with this project.

**4. Contractual References.**

- Contract: HQ079617D0001, Integrated Research & Development For Enterprise Solutions
- Task Order: HQ079618F8600, Infrastructure Support Projects

**5. Government Contact Information.**

- Contracting Officer's Technical Representative: (b)(6)
- Contracting Officer: (b)(6)

6. Background. Request received for new furniture in multiple rooms of buildings 720 and 730. The furniture to be replaced is dated and worn and no longer the MDIOC standard. Additional requests have been made for new chairs and work benches to accommodate needs of occupants. The following have been requested.

- 22 sled chairs in 269
- 2 sled chairs each for 272, 273, 274 and 275
- 268 to receive an executive furniture package to include a desk, chair, credenza, conference table and 4 sled chairs (contractor to verify request and that adequate space is available)
- 267 to receive an executive furniture package to include a desk, chair, a small round table and 5 sled chairs (contractor to verify request and that adequate space is available)
- Bldg 720 Room B79 – 5 chairs for sit/stand desks
- Bldg 720 Room B53 – 3 chairs for sit/stand desk and 3 adjustable height work benches (U-line workbenches Model No. H-1135, 60x30, adjustable leg height, maple top, round edge or equal).
- Bldg 730 Room 341 – New furniture package with whiteboard (standard Indiana)
- Bldg 730 Room 342 – New furniture package with 2 white boards (standard Indiana)
- Bldg 730 Room 323 – New furniture package with whiteboard (standard Indiana)

7. Description of Tasking. Contractor shall survey the areas of requests, confirm adequate space availability for requested furniture and compile furniture packages that align with MDIOC standards. Contractor to determine reuse of any existing file cabinets, safes, equipment, appliances, etc. The MDIOC Space Planner (Ms Alexis Mullis) shall review the furniture items and layouts before purchase is made.

8. Requested Milestones. Request furniture installation by 18 weeks after authorization to proceed.

9. Assumptions. None

10. This MST does not constitute a change, as described by the "Changes" clause and does not constitute a basis for an increase in contract value or fee. Nothing contained in this technical direction is to be construed as in any way changing the current requirements of the TO. Should you disagree, you shall take no action concerning the technical direction, but shall notify me, COR and COTR in writing within five (5) calendar days of receipt of this direction and identify the impact on the TO. Failure to notify the Contracting Officer prevents the government from

ensuring funding is available. Therefore, if you fail to notify me and fail to receive additional funding before you begin work, you might waive your rights to any equitable adjustment for work resulting from the technical direction.

(b)(6)



Contracting Officer

COORDINATION:

(b)(6)



Contracting Officer Technical Representative



**DEPARTMENT OF DEFENSE  
MISSILE DEFENSE AGENCY  
5700 18<sup>TH</sup> STREET  
FORT BELVOIR, VIRGINIA 22060-5573**

10 December 2018

MEMORANDUM FOR JACOBS TECHNOLOGY, INC

SUBJECT: Mission Support Task (MST), 18F8600-11.27, Temporary Source Selection Space within 105B

1. In accordance with HQ079618F8600 Performance Work Statement (PWS), para. 11.0, Rapid Response, request Jacobs Technology submit an engineering estimate for the subject project that includes the following cost elements:

- a. Labor categories
- b. Labor hours
- c. IT Hardware
- d. Non-IT Hardware

Include any risks, constraints, assumptions associated with this effort along with a proposed schedule to accomplish the work. It is acceptable to collaborate with the COTR during this process.

2. Please provide a response to this tasking no later than 7 business days from the date of this letter.

3. Once you have provided this information, the COTR and other government stakeholders will evaluate the individual cost elements. After these elements have been agreed upon by the applicable stakeholders, the authority to proceed will be issued by the contracting officer. It is expected Jacobs Technology will then move budget from the existing planning package to a discrete work package associated with this project.

4. Contractual References.

- a. Contract: HQ079617D0001, Integrated Research & Development For Enterprise Solutions
- b. Task Order: HQ079618F8600, Infrastructure Support Projects

5. Government Contact Information.

- a. Contracting Officer's Technical Representative: (b)(6)
- b. Contracting Officer: (b)(6)

6. Background. MDA/SS is requesting IC support and use of MDIOC Room 105B as a temporary extension for the Space Sensor source selection evaluation board (SSEB) until a permanent location can be provided. The objective of this MST is to reconfigure 105B from the current configuration shown notionally in Figure 1 to the notional configuration shown in Figure 2.

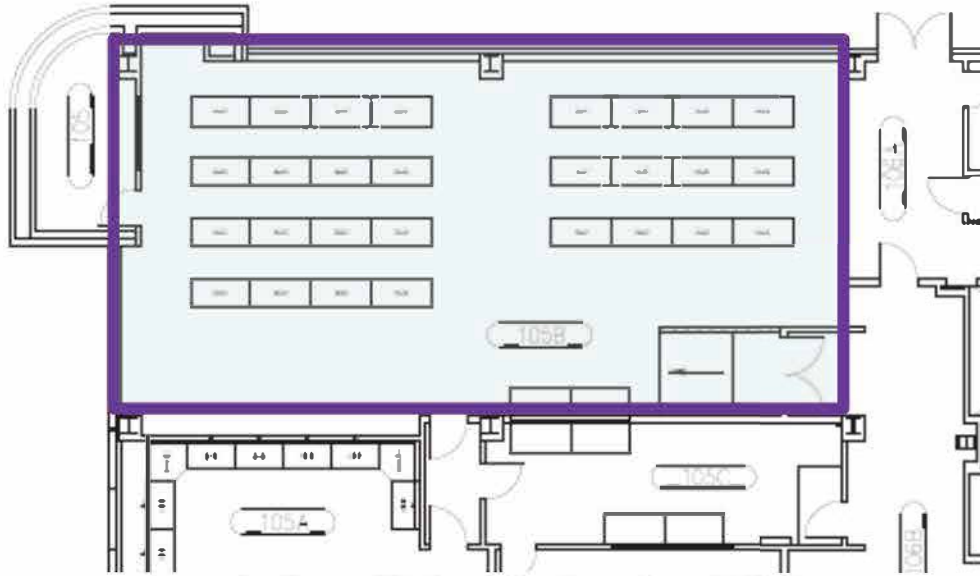


Figure 1: Current Notional Configuration of 105B

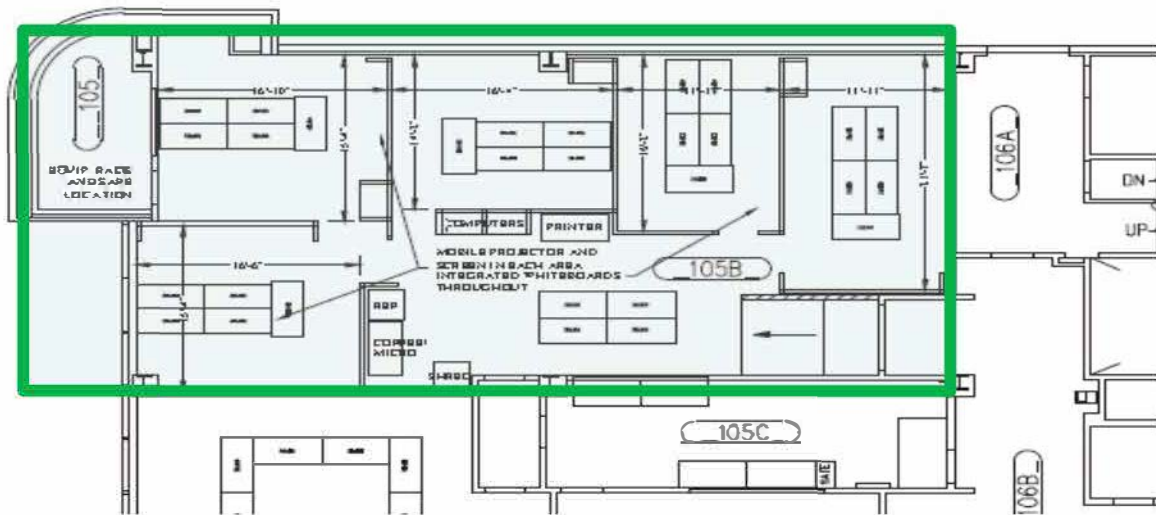


Figure 2: Proposed Notional Configuration of 105B

7. Description of Tasking. The contractor shall:
- Coordinate activities with all stakeholders.
  - Survey the work area(s) to confirm adequate space is available for the required equipment, determine the feasibility of reusing existing equipment, develop a layout for

the reconfigured space, and coordinate the layout with the FDF team prior to procuring any materials. Materials include:

- i. Furniture to include 27 standard task chairs fixtures, and infrastructure as depicted in Figure 2 to support 25 SSEB classified personnel, 2 CLAN clients, 2 CLAN zero-clients, and 2 ULAN clients.
- ii. Integrated whiteboards and screens
- iii. Power to support the workstations, monitors, thick clients, thick client images, ULAN desktop computers, CLAN zero clients, printers, network equipment, refrigerator, microwave, coffee maker, shredder, server rack in 105, and all other items identified as part of the reconfiguration.
- iv. Office equipment depicted in Figure 2 to support the activities planned for this space such as refrigerator, microwave, coffee maker, shredder, and all other items identified as part of the reconfiguration.
- v. Conveyance for all network devices and workstations required for the activities planned within this space.
- c. Compile a Bill of Materials (BOM) that aligns with the requirements of this MST and MDIOC standards. Coordinate the BOM with the FDF team prior to procuring any materials.
- d. Disconnect power (if necessary), remove, and dispose of existing equipment in 105B that cannot be reused.
- e. Repair damaged floor and wall areas as needed.
- f. Validate HVAC capabilities within 105B for the proposed changes to the space and adjust HVAC systems as necessary to support the reconfigured space and its intended usage.
- g. Procure and inspect the required materials and equipment upon receipt.
- h. Install, connect power, and verify that all materials and equipment are operational.

#### 8. Requested Milestones.

- a. Request all work to be completed by May 2019.

#### 9. Assumptions.

- a. All data and network connections shall be disconnected by others prior to mid-February.
- b. The contractor shall receive access, as required, beginning in mid-February to complete the tasks identified within this MST.

10. This MST does not constitute a change, as described by the "Changes" clause and does not constitute a basis for an increase in contract value or fee. Nothing contained in this technical direction is to be construed as in any way changing the current requirements of the TO. Should you disagree, you shall take no action concerning the technical direction, but shall notify me, COR and COTR in writing within five (5) calendar days of receipt of this direction and identify the impact on the TO. Failure to notify the Contracting Officer prevents the government from

ensuring funding is available. Therefore, if you fail to notify me and fail to receive additional funding before you begin work, you might waive your rights to any equitable adjustment for work resulting from the technical direction.

(b)(6)

A large rectangular area is redacted with a solid light green fill, obscuring the signature of the Contracting Officer.

Contracting Officer

COORDINATION:

(b)(6)

A large rectangular area is redacted with a solid light green fill, obscuring the signature of the Contracting Officer Technical Representative.

Contracting Officer Technical Representative



**DEPARTMENT OF DEFENSE  
MISSILE DEFENSE AGENCY  
5700 18<sup>TH</sup> STREET  
FORT BELVOIR, VIRGINIA 22060-5573**

07 January 2019

**MEMORANDUM FOR JACOBS TECHNOLOGY, INC**

**SUBJECT: Mission Support Task (MST), 18F8600-11.28, Electrical Support for Rack BI22 in 1201 to Support MDA/SS**

1. In accordance with HQ079618F8600 Performance Work Statement (PWS), para. 11.0, Rapid Response, request Jacobs Technology submit an engineering estimate for the subject project that includes the following cost elements:

- a. Labor categories
- b. Labor hours
- c. IT Hardware
- d. Non-IT Hardware

Include any risks, constraints, assumptions associated with this effort along with a proposed schedule to accomplish the work. It is acceptable to collaborate with the COTR during this process.

2. Please provide a response to this tasking no later than 7 business days from the receipt of this letter.

3. Once you have provided this information, the COTR and other government stakeholders will evaluate the individual cost elements. After these elements have been agreed upon by the applicable stakeholders, the authority to proceed will be issued by the contracting officer. It is expected Jacobs Technology will then move budget from the existing planning package to a discrete work package associated with this project.

4. Contractual References.

- a. Contract: HQ079617D0001, Integrated Research & Development For Enterprise Solutions
- b. Task Order: HQ079618F8600, Infrastructure Support Projects

5. Government Contact Information.

- a. Contracting Officer's Technical Representative: (b)(6)
- b. Contracting Officer: (b)(6)

6. Background. MDA/SS submitted a Form 80 to modify the electrical system within room 1201 to support project 840. This effort will install redundant electrical infrastructure for the MDSC uDMZ enclave in rack BI22. The objective of this MST is to design and implement redundant power to support the new equipment.

7. Description of Tasking. The contractor shall:

- a. Coordinate activities with all stakeholders.
- b. Develop a design to support the required redundant power.
- c. Compile a Bill of Materials (BOM) that aligns with these requirements.
- d. Implement the design to support the required redundant power.

8. Requested Milestones.

- a. Design activities and BOM complete by 25JAN.
- b. Implementation activities complete by 15FEB.
- c. Closeout activities complete by 15MAR.

9. Assumptions.

- a. The contractor shall receive access, as required, to complete the tasks identified within this MST.

10. This MST does not constitute a change, as described by the "Changes" clause and does not constitute a basis for an increase in contract value or fee. Nothing contained in this technical direction is to be construed as in any way changing the current requirements of the TO. Should you disagree, you shall take no action concerning the technical direction, but shall notify me, COR and COTR in writing within five (5) calendar days of receipt of this direction and identify the impact on the TO. Failure to notify the Contracting Officer prevents the government from ensuring funding is available. Therefore, if you fail to notify me and fail to receive additional funding before you begin work, you might waive your rights to any equitable adjustment for work resulting from the technical direction.

(b)(6)

Contracting Officer

COORDINATION:

(b)(6)

Contracting Officer Technical Representative



**DEPARTMENT OF DEFENSE  
MISSILE DEFENSE AGENCY  
5700 18<sup>TH</sup> STREET  
FORT BELVOIR, VIRGINIA 22060-5573**

25 January 2019

**MEMORANDUM FOR JACOBS TECHNOLOGY, INC**

**SUBJECT: Mission Support Task (MST), 18F8600-11.29, CMAFS LRDR Furniture**

1. In accordance with HQ079618F8600 Performance Work Statement (PWS), para. 11.0, Rapid Response, request Jacobs Technology submit an engineering estimate for the subject project that includes the following cost elements:

- a. Labor categories
- b. Labor hours
- c. IT Hardware
- d. Non-IT Hardware

Include any risks, constraints, assumptions associated with this effort along with a proposed schedule to accomplish the work. It is acceptable to collaborate with the COTR during this process.

2. Please provide a response to this tasking no later than 15 business days from the date of this letter.

3. Once you have provided this information, the COTR and other government stakeholders will evaluate the individual cost elements. After these elements have been agreed upon by the applicable stakeholders, the authority to proceed will be issued by the contracting officer. It is expected Jacobs Technology will then move budget from the existing planning package to a discrete work package associated with this project.

**4. Contractual References.**

- a. Contract: HQ079617D0001, Integrated Research & Development For Enterprise Solutions
- b. Task Order: HQ079618F8600, Infrastructure Support Projects

**5. Government Contact Information**

a. Contracting Officer: (b)(6)

b. Contracting Officer's Technical Representative: (b)(6)

6. Background. CMAFS LRDR has established a requirement for the procurement and installation of furniture items within the 3205 and 10201 areas of CMAFS. The objective of this MST is to procure and install furniture hardware items in order to reconfigure these two areas as shown notionally in Figure 1 and Figure 2.

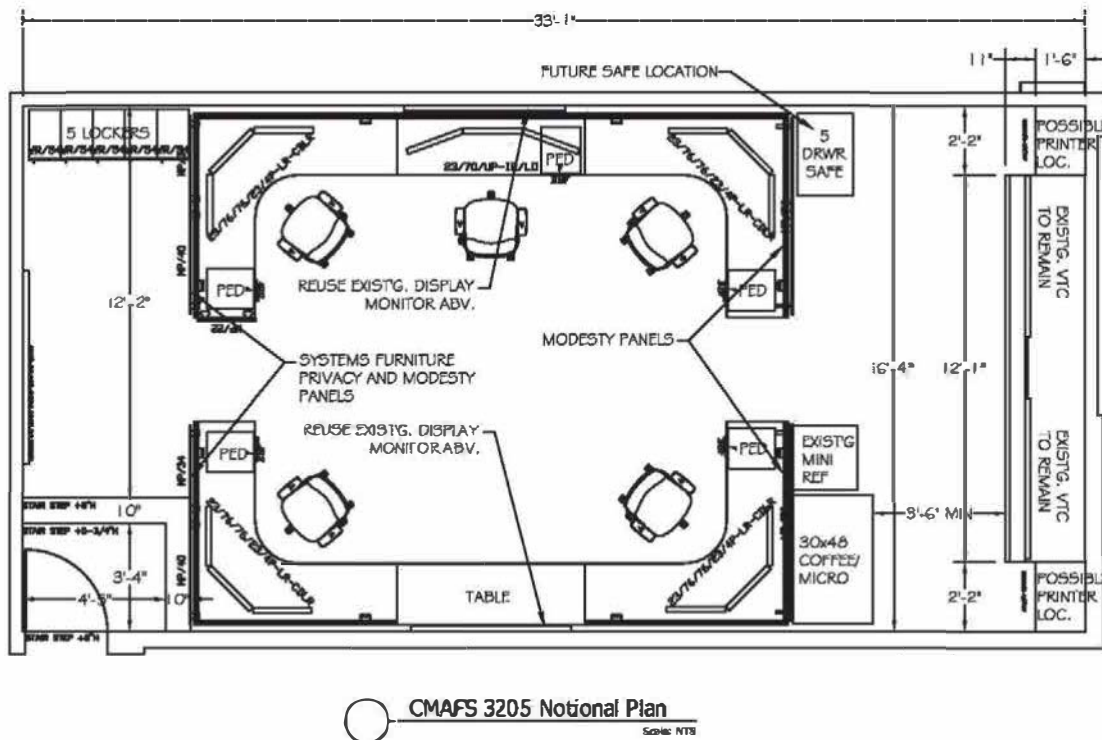


Figure 1: Proposed Notional Configuration of 3205

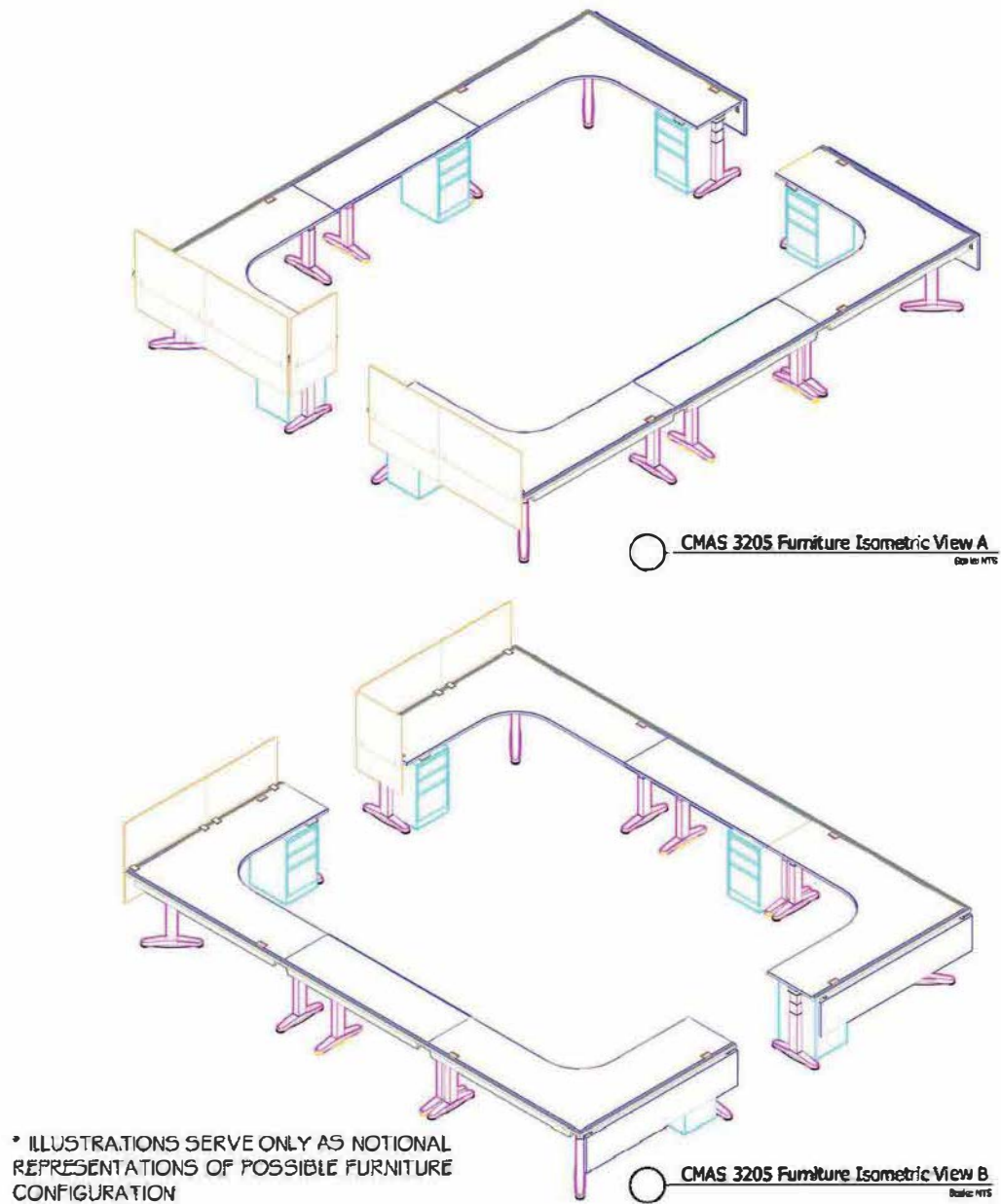


Figure 2: Perspective View of Furniture in 3205

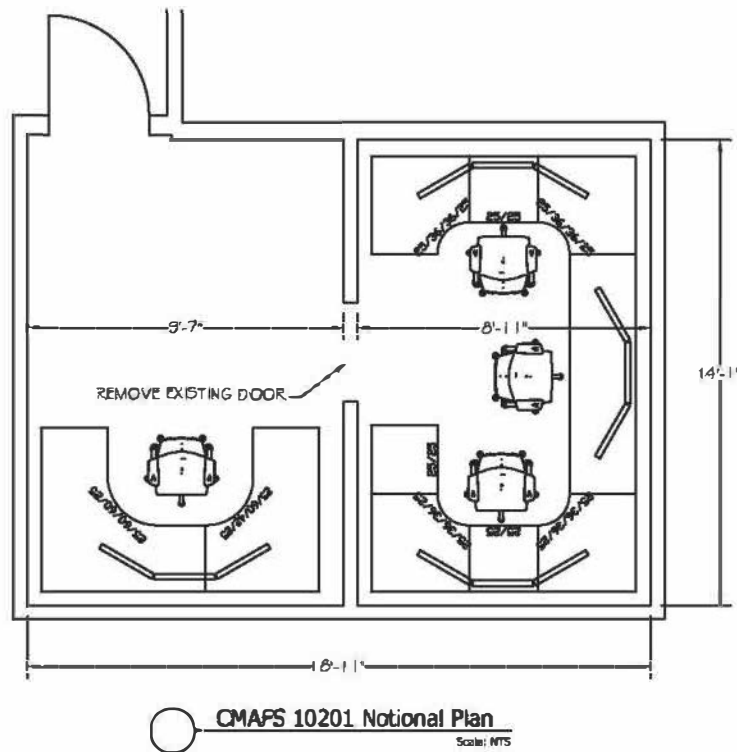


Figure 3: Proposed Notional Configuration of 10201

7. Description of Tasking. The contractor shall:

- a. Coordinate activities with all stakeholders.
- b. Survey the work area(s) to confirm adequate space is available for the required equipment, develop a layout for the reconfigured space, and coordinate the layout and finish selections with the FDF team prior to procuring any materials. Materials include:
  - i. Furniture, fixtures, and infrastructure as depicted in Figure 1 to support five (5) personnel as follows:
    - i. Five (5) 30" deep free-standing workstations w/ monitor arms
    - ii. Five (5) Keyboard trays
    - iii. Five (5) MDIOC standard task chairs
    - iv. Five (5) file ped with cushion top
    - v. Five (5) lockers
    - vi. Two (2) tables
    - vii. One (1) coffee maker
    - viii. One (1) microwave
    - ix. Workstation furniture panels
  - ii. Furniture, fixtures, and infrastructure as depicted in Figure 3 to support four (4) personnel as follows:
    - i. Four (4) 30" deep free-standing workstations w/ monitor arms
    - ii. Four (4) Keyboard trays
    - iii. Four (4) MDIOC standard task chairs
  - iii. All furniture items and fixtures shall be of equivalent form, fit, and function as the furniture and fixture items supplied to the LRDR Operations Center in Ramstein, Germany.

- c. Compile a Bill of Materials (BOM) that aligns with the requirements of this MST and MDIOC standards. Coordinate the BOM and floor plan with the FDF team prior to procuring any materials.
- d. Procure and inspect the required materials and equipment upon receipt.
- e. Install, connect power, and verify that all materials and equipment are operational.

8. Requested Milestones.

- a. Request a schedule provided 15 days after authority to proceed.
- b. Request all work to be completed by 31 May 2019.

9. Assumptions.

- a. All existing furniture items in these areas that impede the efforts of this MST shall be removed by others.
- b. All data and network connections shall be disconnected by others.
- c. The contractor shall receive access, as required, to complete the tasks identified within this MST.

10. This MST does not constitute a change, as described by the "Changes" clause and does not constitute a basis for an increase in contract value or fee. Nothing contained in this technical direction is to be construed as in any way changing the current requirements of the TO. Should you disagree, you shall take no action concerning the technical direction, but shall notify me, COR and COTR in writing within five (5) calendar days of receipt of this direction and identify the impact on the TO. Failure to notify the Contracting Officer prevents the government from ensuring funding is available. Therefore, if you fail to notify me and fail to receive additional funding before you begin work, you might waive your rights to any equitable adjustment for work resulting from the technical direction.

(b)(6)

Contracting Officer

COORDINATION:

(b)(6)

Alternate Contracting Officer Technical Representative



DEPARTMENT OF DEFENSE  
MISSILE DEFENSE AGENCY  
5700 18<sup>TH</sup> STREET  
FORT BELVOIR, VIRGINIA 22060-5573

5 February 2019

MEMORANDUM FOR JACOBS TECHNOLOGY, INC

SUBJECT: Mission Support Task (MST), 18F8600-11.30, Technical Refresh of Room 1108 Furniture and Carpeting in Quad 1120 to Support the Operations Support Center (OSC) - DDW

1. In accordance with HQ079618F8600 Performance Work Statement (PWS), para. 11.0, Rapid Response, request Jacobs Technology submit an engineering estimate for the subject project that includes the following cost elements:

- a. Labor categories
- b. Labor hours
- c. IT Hardware
- d. Non-IT Hardware

Include any risks, constraints, assumptions associated with this effort along with a proposed schedule to accomplish the work. It is acceptable to collaborate with the COTR during this process.

2. Please provide a response to this tasking at your earliest convenience, but no later than 20 business days from the receipt of this letter.

3. Once you have provided this information, the COTR and other government stakeholders will evaluate the individual cost elements. Once these elements have been agreed upon by the applicable stakeholders, the authority to proceed will be issued by the contracting officer. It is expected Jacobs Technology will then move budget from the existing planning package to a discrete work package associated with this project.

4. Contractual References.

- a. Contract: HQ079617D0001, Integrated Research & Development For Enterprise Solutions
- b. Task Order: HQ079618F8600, Infrastructure Support Projects

5. Government Contact Information.

- a. Contracting Officer's Technical Representative: (b)(6)
- b. Contracting Officer: (b)(6)

6. Background: Quad 1120 supports the 24/7 Operations Support Center mission. The office furniture in conference room 1108 requires a technical refresh. The carpeting in rooms 1120-11 and 1120-12 requires removal and replacement. Power and data conveyance is required to support the audio/visual requirements that are currently absent in these spaces.

## 7. Description of Tasking:

For all activities, the contractor shall:

- a. Coordinate activities with all stakeholders
- b. Survey the work area(s) to confirm adequate space is available for the required materials and equipment, determine the feasibility of reusing existing materials and equipment, develop a layout for the reconfigured space, and coordinate the layout with the FDF team prior to procuring any materials.
- c. Compile a Bill of Materials (BOM) that aligns with the requirements of this MST and MDIOC standards. Coordinate the BOM with the FDF team prior to procuring any materials.
- d. Inspect all materials and equipment that are to be installed within these areas(s). Identify and coordinate any material and equipment discrepancies with the FDF team prior to the installation of materials.
- e. Verify that all installed materials and equipment are operational upon completion.

For room 1108, the contractor shall:

- f. Remove existing furniture and repair floors and walls as required.
- g. Procure and install a conference room table (approximately 48"x144") per the attached notional design
  - i. Include capability to support two (2) NIPR laptops and two (2) SIPR workstations with built in power and data plates
  - ii. Include conveyances for the capability to present from computers in the back of the room as well as computers located on the conference room table
- h. Procure and install updated desk furniture to support the three (3) existing workstations
- i. Provide power and data conveyance for the conference room table, equipment racks, two 65" wall mounted monitors and two 80" wall mounted monitors.
- j. Provide blocking and other infrastructure support to ensure the planned IT and A/V equipment can be wall mounted.

For room 1120-11, the contractor shall:

- k. Remove existing carpet
- l. Inspect and repair underfloor as required
- m. Replace carpet with MDIOC standard

For room 1120-10, the contractor shall:

- n. Remove existing carpet
- o. Inspect and repair underfloor as required
- p. Replace carpet with MDIOC standard

For the break room, the contractor shall:

- q. Remove and replace existing Bunn Coffee maker with an approved point of use water cooler/heater dispenser

For rooms 262/265, the contractor shall:

- r. Procure and install 30" wardrobe in each office with equivalent form, fit, and function as corresponding DDW spaces

## 8. Requested Milestones:

- a. Request schedule be established and provided to the FDF team within 10 days of receiving the authority to proceed for this memorandum.

- b. Installation shall be completed within 21 days of equipment arrival at the MDIOC warehouse.

9. Assumptions:

- a. Carpet removal and replacement in the identified locations will occur while the staff deploys to Cheyenne Mountain to conduct operations (Monday-Friday).
- b. All data and network connections shall be disconnected by others prior to the start of work on this MST.
- c. The contractor shall receive access, as required, to complete the tasks identified within this MST.

10. This MST does not constitute a change, as described by the "Changes" clause and does not constitute a basis for an increase in contract value or fee. Nothing contained in this technical direction is to be construed as in any way changing the current requirements of the TO. Should you disagree, you shall take no action concerning the technical direction, but shall notify me, COR and COTR in writing within five (5) calendar days of receipt of this direction and identify the impact on the TO. Failure to notify the Contracting Officer prevents the government from ensuring funding is available. Therefore, if you fail to notify me and fail to receive additional funding before you begin work, you might waive your rights to any equitable adjustment for work resulting from the technical direction.

(b)(6)

Contracting Officer

COORDINATION:

(b)(6)

Alternate Contracting Officer Technical Representative



DEPARTMENT OF DEFENSE  
MISSILE DEFENSE AGENCY  
5700 18<sup>TH</sup> STREET  
FORT BELVOIR, VIRGINIA 22060-5573

19 March 2019

MEMORANDUM FOR JACOBS TECHNOLOGY, INC

SUBJECT: Mission Support Task (MST), 18F8600-11.31, Emergency Roof Repair for Building 720

1. In accordance with HQ079618F8600 Performance Work Statement (PWS), para. 11.0, Rapid Response, request Jacobs Technology submit an engineering estimate for the subject project that includes the following cost elements:

- a. Labor categories
- b. Labor hours
- c. IT Hardware
- d. Non-IT Hardware

Include any risks, constraints, assumptions associated with this effort along with a proposed schedule to accomplish the work. It is acceptable to collaborate with the COTR during this process.

2. Please provide a response to this tasking at your earliest convenience, but no later than 3 business days from the receipt of this letter as this is an urgent repair.

3. Once you have provided this information, the COTR and other government stakeholders will evaluate the individual cost elements. Once these elements have been agreed upon by the applicable stakeholders, the authority to proceed will be issued by the contracting officer. It is expected Jacobs Technology will then move budget from the existing planning package to a discrete work package associated with this project.

4. Contractual References.

- a. Contract: HQ079617D0001, Integrated Research & Development For Enterprise Solutions
- b. Task Order: HQ079618F8600, Infrastructure Support Projects

5. Government Contact Information.

- a. Contracting Officer's Technical Representatives: (b)(6)
- b. Contracting Officer: (b)(6)

6. Background: Schriever AFB experienced a severe blizzard on 13 – 14 March 2019 with wind speeds reaching 90+ MPH closing the base down for the two days. On 15 Mar 2019, a roof inspection of Building 720 discovered damage to the roof due to this high wind and sub-zero temperatures. The predominant location of the damage occurred from about 15' to about 45' from the north edge and from about 70' to about 200' from the east edge of building 720.

7. Description of Tasking:

The contractor shall:

- a. Coordinate activities with all stakeholders
- b. Survey the work area(s) to confirm adequate space is available for the required materials and equipment, develop a layout for the work area(s) and a concept for the proposed solution, and coordinate the layout and proposed solution with the FDF team prior to procuring any materials.
- c. Compile a Bill of Materials (BOM) that aligns with the requirements of this MST and MDIOC standards. Coordinate the BOM with the FDF team prior to procuring any materials.
- d. Inspect all materials and equipment that are to be installed within these areas(s). Identify and coordinate any material and equipment discrepancies with the FDF team prior to the installation of materials.
- e. Verify that all installed materials and equipment are operational upon completion.
- f. Provide immediate roof repair and mitigation to limit the entrance of rain and snow and to reinforce the existing roof system to resist future wind storms until the new roof implementation process has begun. The repair and mitigation is required to bridge the period of time needed for implementation of a complete roof replacement.

8. Requested Milestones:

- a. Schedule provided 5 days after authority to proceed.
- b. Implementation activities completed ASAP, this is an emergency repair action.

9. Assumptions:

- a. The contractor shall receive access, as required, to complete the tasks identified within this MST.

10. This MST does not constitute a change, as described by the "Changes" clause and does not constitute a basis for an increase in contract value or fee. Nothing contained in this technical direction is to be construed as in any way changing the current requirements of the TO. Should you disagree, you shall take no action concerning the technical direction, but shall notify me, COR and COTR in writing within five (5) calendar days of receipt of this direction and identify the impact on the TO. Failure to notify the Contracting Officer prevents the government from ensuring funding is available. Therefore, if you fail to notify me and fail to receive additional funding before you begin work, you might waive your rights to any equitable adjustment for work resulting from the technical direction.

(b)(6)

Contracting Officer

COORDINATION:

(b)(6)

Alternate Contracting Officer Technical Representative



**DEPARTMENT OF DEFENSE  
MISSILE DEFENSE AGENCY  
5700 18<sup>TH</sup> STREET  
FORT BELVOIR, VIRGINIA 22060-5573**

10 December 2018

**MEMORANDUM FOR JACOBS TECHNOLOGY, INC**

**SUBJECT: Mission Support Task (MST), 18F8600-11.32, Procure and Install Server Racks in Room 2201 to Support C2BMC**

1. In accordance with HQ079618F8600 Performance Work Statement (PWS), para. 11.0, Rapid Response, request Jacobs Technology submit an engineering estimate for the subject project that includes the following cost elements:

- a. Labor categories
- b. Labor hours
- c. IT Hardware
- d. Non-IT Hardware

Include any risks, constraints, assumptions associated with this effort along with a proposed schedule to accomplish the work. It is acceptable to collaborate with the COTR during this process.

2. Please provide a response to this tasking no later than 10 business days from the date of this letter.

3. Once you have provided this information, the COTR and other government stakeholders will evaluate the individual cost elements. After these elements have been agreed upon by the applicable stakeholders, the authority to proceed will be issued by the contracting officer. It is expected Jacobs Technology will then move budget from the existing planning package to a discrete work package associated with this project.

4. Contractual References.

- a. Contract: HQ079617D0001, Integrated Research & Development For Enterprise Solutions
- b. Task Order: HQ079618F8600, Infrastructure Support Projects

5. Government Contact Information.

- a. Contracting Officer's Technical Representative: (b)(6)
- b. Contracting Officer: (b)(6)

6. Background. C2BMC Spiral 6.4 equipment is being decommissioned and planning has begun for C2BMC Spiral 8.2-5 equipment deployment. The existing server racks do not support the requirements of the C2BMC Spiral 8.2-5 efforts and are to be replaced with server racks that do support the requirements of the C2BMC Spiral 8.2-5 efforts. The objective of this MST is to procure the server racks which will support their requirements for the new equipment.

7. Description of Tasking. The contractor shall:

- a. Coordinate activities with all stakeholders.
- b. Coordinate activities with those efforts required in Project 12.11.
- c. Compile a Bill of Materials (BOM) that aligns with the C2BMC requirements. Note that a notional BOM has been attached to this MST for reference.
- d. Procure and inspect the required server racks and associated equipment upon receipt.

8. Requested Milestones.

- a. Request all work to be completed within the requisite milestones identified in Project 12.11.

9. Assumptions.

- a. The contractor shall receive access, as required, to complete the tasks identified within this MST.

10. This MST does not constitute a change, as described by the "Changes" clause and does not constitute a basis for an increase in contract value or fee. Nothing contained in this technical direction is to be construed as in any way changing the current requirements of the TO. Should you disagree, you shall take no action concerning the technical direction, but shall notify me, COR and COTR in writing within five (5) calendar days of receipt of this direction and identify the impact on the TO. Failure to notify the Contracting Officer prevents the government from ensuring funding is available. Therefore, if you fail to notify me and fail to receive additional funding before you begin work, you might waive your rights to any equitable adjustment for work resulting from the technical direction.

(b)(6)

Contracting Officer

COORDINATION:

(b)(6)

Contracting Officer Technical Representative

## Task/Project Description

**Task/Project:** 12.1 Mechanical Upgrade Quadrant 1400 (Phase I) – ~~Design~~

**Task Order:** HQ079618F8600 Infrastructure Support Projects

**Customers:** MDA/ICM

**Period of Performance (POP):** 5 Jan 18 – 6 June 18  
R1 23 Jul 18 – 31 Jan 19

**Background:** The mechanical HVAC system for the quad has many components which are both aging and utilize 1980s technology. The equipment has also not kept up to the heat loading we have introduced into the quad through more personnel and computer equipment they utilize. The complete task will refresh all of the old technology components and make the system capable of cooling the loads presently in the space and include a 25% heat load growth factor. This task is the first phase of work to add one new AHU. The requirement is referenced in the Facility Support Sustainment Plan.

### Requirements

The Contractor shall design a solution in accordance with the mechanical strategy developed under contract H95001-10-D-0001, Task Order 8006. All lessons learned from these prior designs shall be incorporated into this design. The design shall install a new air handling unit (AHU) onto the open mechanical pad within room 108 to include all supporting components needed to make the AHU complete. The new AHU shall provide additional air supply capacity. The design shall include the following:

1. Air Handling Unit (AHU)
  - a. Design a new 20,000 CFM AHU on the third (open) pad in mechanical room similar to design tasks B6.A and B19s under contract H95001-10-D-0001, Task Order 8006, as they pertain to new AHU-14a.
  - b. Design supply ductwork from new AHU, out of mechanical room and across hallway to the sound attenuator at the 1400 area exterior wall. Design new duct into the overhead of customer space, connecting to the existing supply ductwork. The new Mech Rm supply plenum shall be designed to the extent of interference with RF-106 and associated ductwork. Cap end of duct for future expansion during Phase 2.
  - c. Design Mech Rm return plenum across the rear of the mechanical room and connect the return duct out of the mechanical room, across hallway, and connect

to the sound attenuator within the quad that is presently connected to the Purge System. Transfer fan and associated ductwork (similar to design in Task 54 under contract H95001-10-D-0001, task order 8006) will be included. A portion of outside air duct for AHU-106 shall be removed to install the return plenum – (2) 24” round flex ducts (temporary) should connect OA plenum to the back of AHU-106 until Phase 2 work starts.

- d. Design the outside air duct to AHU-14a (similar to Task 6.A and Task 19 under contract H95001-10-D-0001, Task Order 8006), incorporating changes approved in Task 54.
  - e. Design the purge/exhaust duct sections to the new return plenum.
  - f. Design shall include MeeFog distribution from B22 to Rm 108, within Rm 108, and AHU 14a.
2. Air Handling Unit Power - New distribution panel will NOT be designed under this Task. Power to the supply fan array and return fan array shall come from the existing MCC. There are multiple spare breakers available for use.
3. Air Handling Unit Controls (design)
- a. The new Seimens PXC-100 control panel shall be designed under this project. The existing Apogee system shall remain to control and operate the existing AHUs and components. The new controls components installed on the new AHU-14a will go to the new Seimens panel.
  - b. All measuring flow stations, dampers, valves, and other controls components need to operate the new AHU-14a shall be installed, connected to the new PCX-100, and programmed for operation.
  - c. A differential pressure control scheme shall be designed to control a positive static pressure within 1400 Quad, similar to the scheme used in Quad 1300, Task 61 under contract H95001-10-D-0001, Task Order 8006.

Products: ICM Requirements Traceability Matrix (RTM) to COTR

4. The contractor shall implement the approved design solution developed in task 1, 2 and 3; Reference CDRL C006-18F8600-0182 Detailed Design Package 1400 Quad Mechanical Upgrade.pdf.

### **Architecture and Preliminary Design**

The contractor shall develop a component level architecture and preliminary design (60% solution). The Contractor shall coordinate with the COTR/customer and baseline the preliminary design. The Contractor shall develop the Preliminary Design Review (PDR) material for presentation IAW the Systems Engineering Management Review (SEMR) process Design

Review Board (DRB) and/or Engineering and Architecture Board (EAB) if so specified in the milestone(s). Specifications shall be in accordance Whole Building Design Guide (WBDG), Unified Facilities Guide Specifications (UFGS). Drawings shall be fashioned as follows:

1. Columns designated with Alpha Numeric Grid Lines for referencing purposes (current practice).
2. Drawings will be scalable to standard ANSI sheet sizes. Individual sheets will contain a scale (current practice).
3. The Title Block will be supplemented with or contain numbers that are unique to the project.
4. Cover sheet will be included and contain the following information:
  - a. Task Order Number
  - b. Task Number
  - c. Project Title
  - d. Submittal Type (Preliminary Design, Detailed Design)
  - e. Drawing Table of Contents
5. Border - Alpha Numeric Drawing coordinate system (current practice)
6. Existing drafting standards shall be followed to include but not limited to:
  - a. Levels
  - b. Reference schemes
  - c. Colors
  - d. Line weights
7. Drawing Areas- Typical Quadrant sheets will be used to communicate change and supplemented with standard sector drawings as required for scalability and readability purposes.
8. Designs will utilize current codes the UFGS, the UFC and JRDC design practices including the MUFGs. Details will be included and dimensioned or scaled as required.
9. Drawing package shall be arranged in the following order:
  - a. Civil - "C" drawings
  - b. Architectural - "A" drawings
  - c. Structural - "S" drawings
  - d. Mechanical - "M" drawings
  - e. Plumbing - "P" drawings
  - f. Electrical - "E" drawings
  - g. Each section will be in the following order (when required):
    - i. Demolition
    - ii. New
    - iii. Details/Sections
    - iv. Schedules

Products: 1) AHU 14a Preliminary Design

- a. Design Analysis with all items 60% complete. It shall include all backup material; all design calculations, all explanatory material giving the

design rationale for any design decisions, which would not be obvious to an engineer reviewing the design package.

- b. 60% complete drawings including those addressing construction phasing
- c. Specifications: redlined marked up specifications will be provided to allow reviewers to evaluate choices made by designers
- d. Information Technology (IT) Bill of Material (BoM)
- e. Non-IT Material Take off (i.e., quantity, square footage, linear footage, etc...)

2) AHU 14a PDR presentation to DRB

### **Detailed Design**

The contractor shall develop a detailed design that captures specific architectures (architectural, electrical, mechanical, security and IT) necessary to support project implementation. The Contractor shall coordinate with the customer and baseline the detailed design. The Contractor shall develop the Detail Design Review (DDR) material for presentation if so specified in the milestone(s) IAW the SEMR process (Design Review Board (DRB)) and/or the CIO Engineering and Architecture Board (EAB) Charter as appropriate. Additionally, the Detailed Design Review (DDR) shall contain schedule and preliminary Bill of Material (BOM) requirements when applicable. Specifications shall be in accordance Whole Building Design Guide, Unified Facilities Guide Specifications (UFGS). Drawings shall be fashioned as follows:

1. Columns designated with Alpha Numeric Grid Lines for referencing purposes (current practice).
2. Drawings will be scalable to standard ANSI sheet sizes. Individual sheets will contain a scale (current practice).
3. The Title Block will be supplemented with or contain numbers that are unique to the project.
4. Cover sheet will be included and contain the following information:
  - a. Task Order Number
  - b. Task Number
  - c. Project Title
  - d. Submittal Type (Preliminary Design, Detailed Design)
  - e. Drawing Table of Contents
5. Border - Alpha Numeric Drawing coordinate system (current practice)
6. Existing drafting standards shall be followed to include but not limited to:
  - a. Levels
  - b. Reference schemes
  - c. Colors
  - d. Line weights
7. Drawing Areas - Typical Quadrant sheets will be used to communicate change and supplemented with standard sector drawings as required for scalability and readability purposes.

8. Designs will utilize current codes the UFGS, the UFC and Jacobs design practices including the MUFGs. Details will be included and dimensioned or scaled as required.
- a. Drawing package shall be arranged in the following order:
    - Civil - "C" drawings
  - b. Architectural - "A" drawings
  - c. Structural - "S" drawings
  - d. Mechanical - "M" drawings
  - e. Plumbing - "P" drawings
  - f. Electrical - "E" drawings
  - g. Each section will be in the following order (when required):
    - i. Demolition
    - ii. New
    - iii. Details/Sections
    - iv. Schedules

- Products: 1) AHU 14a Detailed Design
- a. Design Analysis with all items 100% complete. It shall include all backup material previously submitted and revised, as necessary, all design calculations, all explanatory material giving the design rationale for any design decisions which would not be obvious to an engineer reviewing the final drawings and specifications
  - b. 100% complete drawings including those addressing project construction phasing.
  - c. Specifications. Final edited specifications
  - d. Information Technology (IT) Bill of Material (BoM)
  - e. Non-IT Material Take off (i.e., quantity, square footage, linear footage, etc...)
- 2) AHU 14a DDR presentation to DRB

### Implementation. Rev 1

In accordance with 10.6, the contractor shall implement the design developed and approved. An Implementation Plan (IP) shall be developed and provided to the government. The contractor shall execute the IP and complete all activities outlined in the RTM in accordance with the approved drawings and specifications, within the approved schedule.

Products: Implementation Plan

### Closeout/Transition. Rev 1

In accordance with 10.7, the contractor shall perform formal close out procedures, to include a formal walk-through of the project activity or area with the following stakeholders as applicable:

MDIOC COTR, Government Customer, System Engineering (SE), Quality Assurance (QA), Safety, MDIOC Facilities Operations and Maintenance (FOM), Industrial Security and Physical Security.

Products: Project Closeout Documentation

**Tasking:** In accordance with Task 10.0 of the PWS and the milestone schedules below, the contractor shall perform the following tasks/phases:

Task #	Element	Required, Not Applicable (N/A), Not Required To Be Determined (TBD)	Comment
10.1	Task Order Administration	Required	
10.2	Project Planning	Required	
10.3	Requirements Identification	Required	
10.4	Preliminary Design	Required	
10.5	Detailed Design	Required	
10.6	Implementation	<del>Not</del> Required	<u>Rev 1, Implementation</u>
10.7	Closeout/Transition	Required	

**Constraints:** The constraints to be considered for this task are identified in the task order PWS. There are no additional constraints or considerations at this time.

**GFE/GFI:** None

## Milestones:

Activity	Date	Comments
<del>IBR</del> -Baseline Review	<del>NA</del> 60 DAC	Rev 1
Requirements Traceability Matrix (RTM)	Contractor Discretion	
Preliminary Design Presentation	Contractor Discretion	Design Review Board (DRB)
Detailed Design Presentation	Contractor Discretion	Design Review Board (DRB)
Implementation Plan (includes schedule)	<del>N/A</del> Contractor Discretion	Rev 1
Formal Acceptance/Punch List Development	<del>N/A</del> Contractor Discretion	Rev 1
Beneficial Occupancy Date	N/A	
Implementation Complete	<del>N/A</del> Contractor Discretion	Rev 1
Closeout/Transition Package Complete	24 April 2018	Design
<u>Closeout/Transition Package Complete</u>	<u>31 Jan 2019</u>	<u>Implementation (Rev 1)</u>
Progress Reviews	Weekly or as required / Quarterly at TOSR	

\*Recommended entries for the Date column:

- Use Day Month Year format (e.g., DD MMM YY) when a specific delivery date is required.
- Use a specific number of days after a previous milestone approval to indicate when delivery is required, e.g., 30 Days after RTM Approval or 45 Days after PDR Approval.
- N/A: denotes not applicable or not required at any time for this particular project/task.
- TBD: denotes that the milestone activity is anticipated in the future for this project/task but is not required at this time. A modification to the task/project will be issued at a later date.
- Contractors Discretion: denotes that the Government is allowing the Contractor to specify the delivery date in their proposal in order to best manage internal resources and de-conflict multiple priorities for the purpose of maximizing efficiencies. The date will be agreed to during negotiations and updated at ATP.

## Technical Service Summary Items (SSI)

Technical Performance Service Summary Items (SSI) weights specific to this project are outlined below:

### Design

Number	Service Summary Items (SSI)	Weight
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SSI 5	(b)(4)	
SSI 6		
SSI 7		
SSI 8		

Implementation

<u>Number</u>	<u>Service Summary Items (SSI)</u>	<u>Weight</u>
<u>SSI 5</u>	(b)(4)	
<u>SSI 6</u>		
<u>SSI 7</u>		
<u>SSI 8</u>		

## Task/Project Description

**Task/Project:** 12.2 Fire Suppression System Compliance 2300/2400—~~Design~~

**Task Order:** HQ079618F8600 Infrastructure Support Projects

**Customers:** MDA/ICM

**Period of Performance (POP):** 5 Jan 18 – 6 Jun 18  
R1 23 Jul 18 – 30 Nov 18

**Background:** The USAF (host) has initiated a campaign, supported by the latest Unified Facility Code (UFC), to convert fire suppression pre-action systems to wet systems. The MDIOC has been evaluated to support the conversion to a wet-pipe fire suppression system and has determined all mission quadrants be converted in a phased approach. The conversion of the 2300/2400 quadrants to a wet system is the 4<sup>th</sup> of 6 phases. Both quadrants will also be brought up to current code compliance.

### Requirements and Design

The Contractor shall formulate/design a solution in accordance with the plan developed under Task B21 of contract H95001-10-D-0001, Task Order 7006 that shall convert the existing pre-action fire suppression system in MDIOC building 720 quads 2300 and 2400 to a wet system. The fire detection and suppression systems shall be updated to current code.

### Requirements

The contractor shall develop a requirements tractability matrix (RTM) to support the design solution in accordance with the plan developed under Task B21 of contract H95001-10-D-0001, Task Order 7006 that shall convert the existing pre-action fire suppression system in MDIOC building 720 quads 2300 and 2400 to a wet system. The fire detection and suppression system shall be updated to current code.

**Products:** ICM Requirements Traceability Matrix (RTM) to COTR

### Architecture and Preliminary Design

The contractor shall develop a component level architecture and preliminary design (60% solution). The contractor shall coordinate with the COTR/customer and baseline the preliminary design. The contractor shall develop the Preliminary Design Review (PDR) material for presentation IAW the Systems Engineering Management Review (SEMR) process Design Review Board (DRB) and/or Engineering and Architecture Board (EAB) if so specified in the

milestone(s). Specifications shall be in accordance Whole Building Design Guide (WBDG), Unified Facilities Guide Specifications (UFGS). Drawings shall be fashioned as follows:

1. Columns designated with Alpha Numeric Grid Lines for referencing purposes (current practice).
2. Drawings will be scalable to standard ANSI sheet sizes. Individual sheets will contain a scale (current practice).
3. The Title Block will be supplemented with or contain numbers that are unique to the project.
4. Cover sheet will be included and contain the following information:
  - a. Task Order Number
  - b. Task Number
  - c. Project Title
  - d. Submittal Type (Preliminary Design, Detailed Design)
  - e. Drawing Table of Contents
5. Border - Alpha Numeric Drawing coordinate system (current practice)
6. Existing drafting standards shall be followed to include but not limited to:
  - a. Levels
  - b. Reference schemes
  - c. Colors
  - d. Line weights
7. Drawing Areas- Typical Quadrant sheets will be used to communicate change and supplemented with standard sector drawings as required for scalability and readability purposes.
8. Designs will utilize current codes the UFGS, the UFC and Jacobs design practices including the MUFGs. Details will be included and dimensioned or scaled as required.
9. Drawing package shall be arranged in the following order:
  - a. Civil - "C" drawings
  - b. Architectural - "A" drawings
  - c. Structural - "S" drawings
  - d. Mechanical - "M" drawings
  - e. Plumbing - "P" drawings
  - f. Electrical - "E" drawings
  - g. Each section will be in the following order (when required):
    - i. Demolition
    - ii. New
    - iii. Details/Sections
    - iv. Schedules

Products: 1) Architecture and Preliminary Design

- a. Design Analysis with all items 60% complete. It shall include all backup material; all design calculations, all explanatory material giving the design rationale for any design decisions, which would not be obvious to an engineer reviewing the design package.

- b. 60% complete drawings including those addressing construction phasing
- c. Specifications: redlined marked up specifications will be provided to allow reviewers to evaluate choices made by designers
- d. Information Technology (IT) Bill of Material (BoM)
- e. Non-IT Material Take off (i.e., quantity, square footage, linear footage, etc...)

2) PDR presentation to DRB

### **Detailed Design**

The contractor shall develop a detailed design that captures specific architectures (architectural, electrical, mechanical, security and IT) necessary to support project implementation. The Contractor shall coordinate with the customer and baseline the detailed design. The Contractor shall develop the Detail Design Review (DDR) material for presentation if so specified in the milestone(s) IAW the SEMR process (Design Review Board (DRB)) and/or the CIO Engineering and Architecture Board (EAB) Charter as appropriate. Additionally, the Detailed Design Review (DDR) shall contain schedule and preliminary Bill of Material (BOM) requirements when applicable. Specifications shall be in accordance Whole Building Design Guide, Unified Facilities Guide Specifications (UFGS). Drawings shall be fashioned as follows:

1. Columns designated with Alpha Numeric Grid Lines for referencing purposes (current practice).
2. Drawings will be scalable to standard ANSI sheet sizes. Individual sheets will contain a scale (current practice).
3. The JRDC Title Block will be supplemented with or contain numbers that are unique to the project.
4. Cover sheet will be included and contain the following information:
  - a. Task Order Number
  - b. Task Number
  - c. Project Title
  - d. Submittal Type (Preliminary Design, Detailed Design)
  - e. Drawing Table of Contents
5. Border - Alpha Numeric Drawing coordinate system (current practice)
6. Existing drafting standards shall be followed to include but not limited to:
  - a. Levels
  - b. Reference schemes
  - c. Colors
  - d. Line weights
7. Drawing Areas - Typical Quadrant sheets will be used to communicate change and supplemented with standard sector drawings as required for scalability and readability purposes.
8. Designs will utilize current codes the UFGS, the UFC and JRDC design practices including the MUFGs. Details will be included and dimensioned or scaled as required.

9. Drawing package shall be arranged in the following order:
- a. Civil - "C" drawings
  - b. Architectural - "A" drawings
  - c. Structural - "S" drawings
  - d. Mechanical - "M" drawings
  - e. Plumbing - "P" drawings
  - f. Electrical - "E" drawings
  - g. Each section will be in the following order (when required):
    - i. Demolition
    - ii. New
    - iii. Details/Sections
    - iv. Schedules

Products: 1) Detailed Design

- a. Design Analysis with all items 100% complete. It shall include all backup material previously submitted and revised, as necessary, all design calculations, all explanatory material giving the design rationale for any design decisions which would not be obvious to an engineer reviewing the Final drawings and specifications
- b. 100% complete drawings including those addressing project construction phasing.
- c. Specifications. Final edited specifications
- d. Information Technology (IT) Bill of Material (BoM)
- e. Non-IT Material Take off (i.e., quantity, square footage, linear footage, etc...)

2) DDR presentation to DRB

### **Implementation. Rev 1**

In accordance with 10.6, the contractor shall implement the design developed and approved (Reference CDRL C006-18F8600-0237) for the 2400 Quadrant only. An Implementation Plan (IP) shall be developed and provided to the government. The contractor shall execute the IP and complete all activities outlined in the RTM in accordance with the approved drawings and specifications, within the approved schedule.

Products: Implementation Plan

### **Closeout/Transition. Rev 1**

In accordance with 10.7, the contractor shall perform formal close out procedures, to include a formal walk-through of the project activity or area with the following stakeholders as applicable: MDIOC COTR, Government Customer, System Engineering (SE), Quality Assurance (QA).

**Tasking:** In accordance with Task 10.1 of the PWS and the milestone schedules below, the contractor shall perform the following tasks/phases:

Task #	Element	Required, Not Applicable (N/A), Not Required To Be Determined (TBD)	Comment
10.1	Task Order Administration	Required	
10.2	Project Planning	Required	
10.3	Requirements Identification	Required	
10.4	Preliminary Design	Required	
10.5	Detailed Design	Required	
10.6	Implementation	<del>Not Required</del> Required	Rev 1, Implementation
10.7	Closeout/Transition	Required	

**Constraints:** The constraints to be considered for this task are identified in the task order PWS. There are no additional constraints or considerations at this time.

**GFE/GFI:** None

### Milestones:

Activity	*Date	Comment
<u>Baseline Review</u>	<u>NA60 DAC</u>	<u>Rev 1</u>
Requirements Traceability Matrix (RTM)	Contractor Discretion	
Preliminary Design Presentation	Contractor Discretion	Design Review Board (DRB)
Detailed Design Presentation	Contractor Discretion	Design Review Board (DRB)
Implementation Plan (includes schedule)	<u>N/A Contractor Discretion</u>	<u>Rev 1</u>
Formal Acceptance/Punch List Development	<u>N/A Contractor Discretion</u>	<u>Rev 1</u>
Implementation Complete	<u>N/A Contractor Discretion</u>	<u>Rev 1</u>
Closeout/Transition Package Complete	9 May 2018	<u>Design</u>
<u>Closeout/Transition Package Complete</u>	<u>30 November 2018</u>	<u>Implementation (Rev 1)</u>
Progress Reviews	Weekly or as required / Quarterly at TOSR	

\*Recommended entries for the Date column:

- Use Day Month Year format (e.g., DD MMM YY) when a specific delivery date is required.
- Use a specific number of days after a previous milestone approval to indicate when delivery is required, e.g., 30 Days after RTM Approval or 45 Days after PDR Approval.
- N/A: denotes not applicable or not required at any time for this particular project/task.
- TBD: denotes that the milestone activity is anticipated in the future for this project/task but is not required at this time. A modification to the task/project will be issued at a later date.
- Contractors Discretion: denotes that the Government is allowing the Contractor to specify the delivery date in their proposal in order to best manage internal resources and de-conflict multiple priorities for the purpose of maximizing efficiencies. The date will be agreed to during negotiations and updated at ATP.

### Design

Number	Service Summary Items (SSI)	Weight
SSI 5	(b)(4)	
SSI 6		
SSI 7		
SSI 8		

### Implementation

Number	Service Summary Items (SSI)	Weight
<u>SSI 5</u>	(b)(4)	
<u>SSI 6</u>		
<u>SSI 7</u>		
<u>SSI 8</u>		

## **Task/Project Description**

**Task/Project:** 12.3 Upgrade Data Center Chilled water Pumps & Piping - Design

**Task Order:** HQ079618F8600 Infrastructure Support Projects

**Customers:** MDA/ICM

**Period of Performance (POP):** 5 Jan 2018 – 6 Jun 2018

**Background:** The MDIOC has started using more computer room air conditioning (CRAC) units within the Data Center for localized cooling of the data equipment. The existing chilled water (CW) piping into the data center is rapidly reaching maximum capacity and additional CW capacity will be required to allow for an increase in the number of CRAC units.

### **Requirements**

The Contractor shall formulate/design a solution to bring new CW piping to the data center that will connect to the existing 6" dia. CW piping (inside the cable chase) and provide sufficient capability to support up to 14 CRAC units. New CW piping shall be tapped from the 16" dia. inbound piping system and shall have N+1 pump capability. Pumps may reside in B63, B76, or room 116 (telephone room), based upon constraints developed and reviewed in the RTM.

**Products:** Requirements Traceability Matrix (RTM) to COTR

### **Architecture and Preliminary Design**

The contractor shall develop a component level architecture and preliminary design (60% solution). The Contractor shall coordinate with the COTR/customer and baseline the preliminary design. The Contractor shall develop the Preliminary Design Review (PDR) material for presentation IAW the Systems Engineering Management Review (SEMR) process Design Review Board (DRB) and/or Engineering and Architecture Board (EAB) if so specified in the milestone(s). Specifications shall be in accordance Whole Building Design Guide (WBDG), Unified Facilities Guide Specifications (UFGS). Drawings shall be fashioned as follows:

1. Columns designated with Alpha Numeric Grid Lines for referencing purposes (current practice).
2. Drawings will be scalable to standard ANSI sheet sizes. Individual sheets will contain a scale (current practice).
3. The Title Block will be supplemented with or contain numbers that are unique to the project.
4. Cover sheet will be included and contain the following information:
  - a. Task Order Number
  - b. Task Number
  - c. Project Title

- d. Submittal Type (Preliminary Design, Detailed Design)
- e. Drawing Table of Contents
- 5. Border - Alpha Numeric Drawing coordinate system (current practice)
- 6. Existing drafting standards shall be followed to include but not limited to:
  - a. Levels
  - b. Reference schemes
  - c. Colors
  - d. Line weights
- 7. Drawing Areas- Typical Quadrant sheets will be used to communicate change and supplemented with standard sector drawings as required for scalability and readability purposes.
- 8. Designs will utilize current codes the UFGS, the UFC and JRDC design practices including the MUFGs. Details will be included and dimensioned or scaled as required.
- 9. Drawing package shall be arranged in the following order:
  - a. Civil - "C" drawings
  - b. Architectural - "A" drawings
  - c. Structural - "S" drawings
  - d. Mechanical - "M" drawings
  - e. Plumbing - "P" drawings
  - f. Electrical - "E" drawings
  - g. Each section will be in the following order (when required):
    - i. Demolition
    - ii. New
    - iii. Details/Sections
    - iv. Schedules

- Products:
- 1) HVAC – Data Center – CW Pumps & Piping - Architecture & Prelim. Design
    - a. Design Analysis with all items 60% complete. It shall include all backup material; all design calculations, all explanatory material giving the design rationale for any design decisions, which would not be obvious to an engineer reviewing the design package.
    - b. 60% complete drawings including those addressing construction phasing
    - c. Specifications: redlined marked up specifications will be provided to allow reviewers to evaluate choices made by designers
    - d. Information Technology (IT) Bill of Material (BoM)
    - e. Non-IT Material Take off (i.e., quantity, square footage, linear footage, etc...)
  - 2) HVAC – Data Center – CW Pumps & Piping - PDR presentation to DRB

### **Detailed Design**

The contractor shall develop a detailed design that captures specific architectures (architectural, electrical, mechanical, security and IT) necessary to support project implementation. The Contractor shall coordinate with the customer and baseline the detailed design. The Contractor shall develop the Detail Design Review (DDR) material for presentation if so specified in the

milestone(s) IAW the SEMR process (Design Review Board (DRB)) and/or the CIO Engineering and Architecture Board (EAB) Charter as appropriate. Additionally, the Detailed Design Review (DDR) shall contain schedule and preliminary Bill of Material (BOM) requirements when applicable. Specifications shall be in accordance Whole Building Design Guide, Unified Facilities Guide Specifications (UFGS). Drawings shall be fashioned as follows:

1. Columns designated with Alpha Numeric Grid Lines for referencing purposes (current practice).
2. Drawings will be scalable to standard ANSI sheet sizes. Individual sheets will contain a scale (current practice).
3. The Title Block will be supplemented with or contain numbers that are unique to the project.
4. Cover sheet will be included and contain the following information:
  - a. Task Order Number
  - b. Task Number
  - c. Project Title
  - d. Submittal Type (Preliminary Design, Detailed Design)
  - e. Drawing Table of Contents
5. Border - Alpha Numeric Drawing coordinate system (current practice)
6. Existing drafting standards shall be followed to include but not limited to:
  - a. Levels
  - b. Reference schemes
  - c. Colors
  - d. Line weights
7. Drawing Areas - Typical Quadrant sheets will be used to communicate change and supplemented with standard sector drawings as required for scalability and readability purposes.
8. Designs will utilize current codes the UFGS, the UFC and Jacobs design practices including the MUFGs. Details will be included and dimensioned or scaled as required.
9. Drawing package shall be arranged in the following order:
  - a. Civil - "C" drawings
  - b. Architectural - "A" drawings
  - c. Structural - "S" drawings
  - d. Mechanical - "M" drawings
  - e. Plumbing - "P" drawings
  - f. Electrical - "E" drawings
  - g. Each section will be in the following order (when required):
    - i. Demolition
    - ii. New
    - iii. Details/Sections
    - iv. Schedules

Products: 1) HVAC – Data Center – CW Pumps & Piping - Detailed Design

- a. Design Analysis with all items 100% complete. It shall include all backup material previously submitted and revised, as necessary, all design calculations, all explanatory material giving the design rationale for any design decisions which would not be obvious to an engineer reviewing the Final drawings and specifications
  - b. 100% complete drawings including those addressing project construction phasing.
  - c. Specifications. Final edited specifications
  - d. Information Technology (IT) Bill of Material (BoM)
  - e. Non-IT Material Take off (i.e., quantity, sq. footage, linear footage, etc...)
- 2) HVAC – Data Center – CW Pumps & Piping - DDR presentation to DRB

**Tasking:** In accordance with Task 10.0 of the PWS and the milestone schedules below, the contractor shall perform the following tasks/phases:

Task #	Element	Required, Not Applicable (N/A), Not Required To Be Determined (TBD)	Comment
10.1	Task Order Administration	Required	
10.2	Project Planning	Required	
10.3	Requirements Identification	Required	
10.4	Preliminary Design	Required	
10.5	Detailed Design	Required	
10.6	Implementation	Not Required	
10.7	Closeout/Transition	Required	

**Constraints:** The constraints to be considered for this task are identified in the task order PWS. There are no additional constraints or considerations at this time

**GFE/GFI:** None

### **Milestones:**

Activity	*Date	Comment
IBR	NA	
Requirements Traceability Matrix (RTM)	Contractor Discretion	
Preliminary Design Presentation	Contractor Discretion	Design Review Board (DRB)
Detailed Design Presentation	Contractor Discretion	Design Review Board (DRB)
Implementation Plan (includes schedule)	N/A	

Formal Acceptance/Punch List Development	N/A	
Implementation Complete	N/A	
Closeout/Transition Package Complete	6 Jun 2018	
Progress Reviews	Weekly or as required / Quarterly at TOSR	

**\*Recommended entries for the Date column:**

- Use Day Month Year format (e.g., DD MMM YY) when a specific delivery date is required.
- Use a specific number of days after a previous milestone approval to indicate when delivery is required, e.g., 30 Days after RTM Approval or 45 Days after PDR Approval.
- N/A: denotes not applicable or not required at any time for this particular project/task.
- TBD: denotes that the milestone activity is anticipated in the future for this project/task but is not required at this time. A modification to the task/project will be issued at a later date.
- Contractors Discretion: denotes that the Government is allowing the Contractor to specify the delivery date in their proposal in order to best manage internal resources and de-conflict multiple priorities for the purpose of maximizing efficiencies. The date will be agreed to during negotiations and updated at ATP.

Number	Service Summary Items (SSI)	Weight
SSI 5	(b)(4)	
SSI 6		
SSI 7		
SSI 8		

## **Technical Requirements Document Individual Project/Task**

**Task/Project:** 12.4 Upgrade MCC A & B, 3400 Quadrant

**Task Order:** HQ0796-18-F-8600 Infrastructure Support Projects

**Customers:** MDA/DTRF

**Period of Performance (POP):** 5 January 18 – 4 March 18

**Background:** The MDIOC Bldg 720, Mission Control Centers (MCC) A & B have been in use for 17 years and require a video and architectural update to support current mission requirements. Current video system is past its usable life and is not maintainable. The consoles are dated and can't be modified to support the additional data requirements at each work station.

### **Requirements**

The Contractor shall implement the design developed under the JRDC, Task Order 9700 and Task Order HQ0796-17-F-8001. The following is a synopsis of the work:

The contractor shall upgrade each MCC's (Rooms 3401-01/3401-02 and 3404-01/3404-02) as follows:

- Removal of GFP Consoles (deliver to Bldg 720 Loading Dock).
- Removal of screen/projection wall
  - o Adjust ceiling to match existing
  - o Extend sound soak finish on walls with available stock
  - Paint power panels black
  - Patch and Paint as necessary
- Construct the infrastructure and mounting capability to support the Audio/Video System (supplied by others) to include:
  - LCD Video wall 9x3
  - 8 new individual 50 inch displays, two in each MCC. Final configuration will have two on each side of the MCCs aligned to the front two rows
- Adjust flooring and wall to accommodate additional 4<sup>th</sup> row of consoles
  - Provide Connectivity to 25 new console positions in each MCC
  - Install Technical Power to 25 new console positions in each MCC
- Remove store room doors & frames entering 3401-01 and 3404-01. Drywall both openings (patch and paint)
- Procure and install new carpet
- Procure and install chairs for each console position
- Install LED Lighting throughout (maintain existing Lutron system)

- Provide new infrastructure support to each console position:
  - o 2 ULAN Drops at 50 positions
  - o 2 CLAN Drops at 50 positions
  - 1 Boeing Drop at 21 positions; 8 in 3401-02 (MCC-B) and 13 in 3404-02 (MCC-A)

Procure and install IT Upgrades at each console position:

- ULAN Laptop docking station
- CLAN Wise terminal/Zero client capability
- Provide 9 VoIP and 9 sVoIP in each MCC
- Monitors (procured and installed by others)

**Tasking:** In accordance with Section 10.0 of the Performance Work Statement and the milestone schedules below, the contractor shall perform the following tasks/phases:

Task #	Element	Required, Not Applicable (N/A), Not Required To Be Determined (TBD)	Comment
10.2	Project Planning	Required	
10.3	Requirements Identification	N/A	
10.4	Preliminary Design	N/A	
10.5	Detailed Design	N/A	
10.6	Project Implementation	Required	
10.7	Closeout/Transition	Required	

**Constraints:**

- The removal of equipment from the existing consoles and out of the two AV closets (rooms 3401-01 and 3404-01) is the responsibility of others.
- The AV design and procurement of the equipment needed is the responsibility of others.
- The design and procurement of the new consoles is the responsibility of others.

**GFE/GFI:** None

**Milestones:**

Activity	*Date	Comment
IBR Level 1	N/A	
Requirements Traceability Matrix (RTM)	N/A	Document as required
Preliminary Design Presentation to DRB	N/A	
Preliminary Design Presentation to EAB	N/A	

Detailed Design Presentation to DRB	N/A	
Detailed Design Presentation to DRB with request to proceed with Implementation	N/A	
Detailed Design Review to EAB	N/A	
Implementation Readiness Review to COTR	N/A	
Implementation Readiness Review to EAB	N/A	
Implementation Schedule to COTR	60DAC	
Implementation Plan (includes schedule) to COTR	N/A	
Formal Acceptance/Punch List Development	30 April 2018	
Implementation Complete	15 May 2018	
Closeout/Transition Package Complete	30 May 2018	
Progress Reviews	Weekly or as required / Quarterly at TOSR	

\*Recommended entries for the Date column:

- Use Day Month Year format (e.g., DD MMM YY) when a specific delivery date is required.
- Use a specific number of days after a previous milestone approval to indicate when delivery is required, e.g., 30 Days after RTM Approval or 45 Days after PDR Approval.
- N/A: denotes not applicable or not required at any time for this particular project/task.
- TBD: denotes that the milestone activity is anticipated in the future for this project/task but is not required at this time. A modification to the task/project will be issued at a later date.
- Contractors Discretion: denotes that the Government is allowing the Contractor to specify the delivery date in their proposal in order to best manage internal resources and de-conflict multiple priorities for the purpose of maximizing efficiencies. The date will be agreed to during negotiations and updated at ATP.

Number	Service Summary Items (SSI)	Weight
SSI 5	Detailed Design Submission	
SSI 6	Implementation Schedule	
SSI 7	Accuracy of Negotiated Target Project Cost Compared to Actual Cost at Complete	
SSI 8	Event Impact/Mission Assurance	

## IRES Task Change Request (TCR)

Date

(b)(4)

TCR #: 20180508

(b)(4)

Approval Should Be Received By

Task Order #:

(b)(4)

Task #

(b)(4)

Current Stage

(b)(4)

(b)(4)

Task Title:

(b)(4)

IRES Project Manager

### Schedule Impact

(b)(4)

### Cost Impact

EOC Type	Current Task Value	Estimated Change	Resulting Totals
Labor Hours	(b)(4)		
Labor Dollars			
Travel/ODC/Materials Dollars			
HW Dollars			
IUS Dollars			
Incentive Fees			
Total Dollars			

### Justification for this Change

(b)(4)

### Fee Justification

(b)(4)

### Affected Documents (drawings, RMDS, etc)

(b)(4)

### Impact to SSI

(b)(4)

(b)(4) **Impact to Other Tasks**

(b)(4) **Mitigation Strategy**

(b)(4) **Impact if Change Does Not Occur**

(b)(4) **IRS Task Order Lead**  
Comments: (b)(4)

(b)(4) **IRS Contract Administrator**  
Comments: (b)(4)

**COTR/ACOTR/COR\***  
Acknowledged: ☐  
Approved: ☐  
Comments: (b)(4)

\*Acknowledgment is required for actions that are a Notification to the Government only. TCRs that require Modification to the Task Order (TO) require Approval.

(b)(4) **PCO\*\***  
Comments: (b)(4)

\*\*PCO signature is only required if a modification to the TO is required as a result of this TCR.

## **Task/Project Description**

**Task/Project:** 12.5 Non-Tech Power to Support Data Center HVAC (2200 Quad) - Design

**Task Order:** HQ079618F8600 Infrastructure Support Projects

**Customers:** MDA/ICM

**Period of Performance (POP):** 1 Feb 18 – 31 Aug 18

**Background:** Non-Tech power equipment and components require preventative maintenance for periods of time longer than the time the air handler units (AHUs) and computer room air conditioner (CRAC) units supporting the 2200 Quad data center can be offline. This project will modernize the power that supports the data center cooling equipment while providing redundant power feeds so equipment can be maintained.

### **Requirements**

Provide redundant non-tech power feeds from TUS-2 and TUS-3 to multiple SMART panels within the 2200 Quad mechanical room. Connect half the AHUs and CRAC units to one panel with the remaining AHUs and CRAC units connected to the other panel. Non-tech power feeds from TUS-2 and TUS-3 shall feed distribution panels in room B-42 via a manual transfer switch so non-tech power to the mechanical equipment can be selected from either power source.

### **Architecture and Preliminary Design**

The contractor shall develop a component level architecture and preliminary design (60% solution). The Contractor shall coordinate with the COTR/customer and baseline the preliminary design. The Contractor shall develop the Preliminary Design Review (PDR) material for presentation IAW the Systems Engineering Management Review (SEMR) process Design Review Board (DRB) and/or Engineering and Architecture Board (EAB) if so specified in the milestone(s). Specifications shall be in accordance Whole Building Design Guide (WBDG), Unified Facilities Guide Specifications (UFGS). Drawings shall be fashioned as follows:

1. Columns designated with Alpha Numeric Grid Lines for referencing purposes (current practice).
2. Drawings will be scalable to standard ANSI sheet sizes. Individual sheets will contain a scale (current practice).
3. The Title Block will be supplemented with or contain numbers that are unique to the project.
4. Cover sheet will be included and contain the following information:
  - a. Task Order Number

- b. Task Number
- c. Project Title
- d. Submittal Type (Preliminary Design, Detailed Design)
- e. Drawing Table of Contents
- 5. Border - Alpha Numeric Drawing coordinate system (current practice)
- 6. Existing drafting standards shall be followed to include but not limited to:
  - a. Levels
  - b. Reference schemes
  - c. Colors
  - d. Line weights
- 7. Drawing Areas- Typical Quadrant sheets will be used to communicate change and supplemented with standard sector drawings as required for scalability and readability purposes.
- 8. Designs will utilize current codes the UFGS, the UFC and JRDC design practices including the MUFGs. Details will be included and dimensioned or scaled as required.
- 9. Drawing package shall be arranged in the following order:
  - a. Civil - "C" drawings
  - b. Architectural - "A" drawings
  - c. Structural - "S" drawings
  - d. Mechanical - "M" drawings
  - e. Plumbing - "P" drawings
  - f. Electrical - "E" drawings
  - g. Each section will be in the following order (when required):
    - i. Demolition
    - ii. New
    - iii. Details/Sections
    - iv. Schedules

- Products:
- 1) AHU 14a Preliminary Design
    - a. Design Analysis with all items 60% complete. It shall include all backup material; all design calculations, all explanatory material giving the design rationale for any design decisions, which would not be obvious to an engineer reviewing the design package.
    - b. 60% complete drawings including those addressing construction phasing
    - c. Specifications: redlined marked up specifications will be provided to allow reviewers to evaluate choices made by designers
    - d. Information Technology (IT) Bill of Material (BoM)
    - e. Non-IT Material Take off (i.e., quantity, square footage, linear footage, etc...)
  - 2) AHU 14a PDR presentation to DRB

### **Detailed Design**

The contractor shall develop a detailed design that captures specific architectures (architectural, electrical, mechanical, security and IT) necessary to support project implementation. The

Contractor shall coordinate with the customer and baseline the detailed design. The Contractor shall develop the Detail Design Review (DDR) material for presentation if so specified in the milestone(s) IAW the SEMR process (Design Review Board (DRB)) and/or the CIO Engineering and Architecture Board (EAB) Charter as appropriate. Additionally, the Detailed Design Review (DDR) shall contain schedule and preliminary Bill of Material (BOM) requirements when applicable. Specifications shall be in accordance Whole Building Design Guide, Unified Facilities Guide Specifications (UFGS). Drawings shall be fashioned as follows:

1. Columns designated with Alpha Numeric Grid Lines for referencing purposes (current practice).
2. Drawings will be scalable to standard ANSI sheet sizes. Individual sheets will contain a scale (current practice).
3. The Title Block will be supplemented with or contain numbers that are unique to the project.
4. Cover sheet will be included and contain the following information:
  - a. Task Order Number
  - b. Task Number
  - c. Project Title
  - d. Submittal Type (Preliminary Design, Detailed Design)
  - e. Drawing Table of Contents
5. Border - Alpha Numeric Drawing coordinate system (current practice)
6. Existing drafting standards shall be followed to include but not limited to:
  - a. Levels
  - b. Reference schemes
  - c. Colors
  - d. Line weights
7. Drawing Areas - Typical Quadrant sheets will be used to communicate change and supplemented with standard sector drawings as required for scalability and readability purposes.
8. Designs will utilize current codes the UFGS, the UFC and Jacobs design practices including the MUFGs. Details will be included and dimensioned or scaled as required.
  - a. Drawing package shall be arranged in the following order:
    - Civil - "C" drawings
  - b. Architectural - "A" drawings
  - c. Structural - "S" drawings
  - d. Mechanical - "M" drawings
  - e. Plumbing - "P" drawings
  - f. Electrical - "E" drawings
  - g. Each section will be in the following order (when required):
    - i. Demolition
    - ii. New
    - iii. Details/Sections
    - iv. Schedules

- Products: 1) AHU 14a Detailed Design
- a. Design Analysis with all items 100% complete. It shall include all backup material previously submitted and revised, as necessary, all design calculations, all explanatory material giving the design rationale for any design decisions which would not be obvious to an engineer reviewing the final drawings and specifications
  - b. 100% complete drawings including those addressing project construction phasing.
  - c. Specifications. Final edited specifications
  - d. Information Technology (IT) Bill of Material (BoM)
  - e. Non-IT Material Take off (i.e., quantity, square footage, linear footage, etc...)
- 2) AHU 14a DDR presentation to DRB

**Tasking:** In accordance with Task 10.0 of the PWS and the milestone schedules below, the contractor shall perform the following tasks/phases:

Task #	Element	Required, Not Applicable (N/A), Not Required To Be Determined (TBD)	Comment
10.1	Task Order Administration	Required	
10.2	Project Planning	Required	
10.3	Requirements Identification	Required	
10.4	Preliminary Design	Required	
10.5	Detailed Design	Required	
10.6	Implementation	Not Required	
10.7	Closeout/Transition	Required	

**Constraints:** The constraints to be considered for this task are identified in the task order PWS. There are no additional constraints or considerations at this time.

**GFE/GFI:** None

## Milestones:

Activity	*Date	Comment
IBR	NA	
Requirements Traceability Matrix (RTM)	Contractor Discretion	
Preliminary Design Presentation	Contractor Discretion	Design Review Board (DRB)
Detailed Design Presentation	Contractor Discretion	Design Review Board (DRB)
Implementation Plan (includes schedule)	N/A	
Formal Acceptance/Punch List Development	N/A	
Beneficial Occupancy Date	N/A	
Implementation Complete	N/A	
Closeout/Transition Package Complete	24 April 2018	
Progress Reviews	Weekly or as required / Quarterly at TOSR	

\*Recommended entries for the Date column:

- Use Day Month Year format (e.g., DD MMM YY) when a specific delivery date is required.
- Use a specific number of days after a previous milestone approval to indicate when delivery is required, e.g., 30 Days after RTM Approval or 45 Days after PDR Approval.
- N/A: denotes not applicable or not required at any time for this particular project/task.
- TBD: denotes that the milestone activity is anticipated in the future for this project/task but is not required at this time. A modification to the task/project will be issued at a later date.
- Contractors Discretion: denotes that the Government is allowing the Contractor to specify the delivery date in their proposal in order to best manage internal resources and de-conflict multiple priorities for the purpose of maximizing efficiencies. The date will be agreed to during negotiations and updated at ATP.

## Technical Service Summary Items (SSI)

Technical Performance Service Summary Items (SSI) weights specific to this project are outlined below:

Number	Service Summary Items (SSI)	Weight
SSI 5	(b)(4)	
SSI 6		
SSI 7		
SSI 8		

## **Task/Project Description**

**Task/Project:** 12.6 MDIOC Bathroom Modernization (Phase I) Bldg 720 - Design

**Task Order:** HQ079618F8600 Infrastructure Support Projects

**Customers:** MDA/ICM

**Period of Performance (POP):** 1 Feb 18 –19 DEC 2018

### **Background:**

Bldg 720, The MDIOC Bathrooms have been in use for 29 years with low flow fixture replacement and only normal maintenance activities being conducted. The drainage plumbing is substandard due to low flow fixtures causing frequent sewage backups. The architectural finishes are worn and dated, and the HVAC is inadequate in supplying the proper air flow.

### **Requirements**

Modernize Building 720, Bathrooms 1EW/1EM/2EW/2EM/ 3EW/3EM to include plumbing, HVAC supply & exhaust, tile, partitions, counters, fixtures, ceiling, lighting, and fire detection/suppression system. Modernization will be in accordance with MDIOC Facility Excellence Plan, Unified Facilities Criteria (UFC), and National Fire Protection Association (NFPA).

### **Revision 4**

Reference TCR 20180712-18-F8600-12.6cr-2.

The design shall accommodate space for two (2), combination ice and water dispensers on each floor, recessed in the wall of the central cable chase, separated so that there are two (2) separate locations, located on opposite sides of the central cable chase. Recessed enclosures shall include waterproof surfaces inside the enclosure and around the immediate exterior of the enclosure down to the floor and extend out onto the floor no further than 24". Sufficient space shall be made within the enclosure to ensure adequate natural ventilation to meet equipment cooling requirements.

The design shall relocate and install a new drinking fountain, to include bottle fillers at each bathroom, located on the central corridor side, separated and screened from the bathroom entrance with its own floor to ceiling wall. The design shall provide a maintenance access to

water closets and urinals. The design shall consider to relocate walls/plumbing/electrical to optimize space. The design shall consider replacing sections of domestic heating water supply (domestic hot water riser) to include destructive sampling and evaluation. The design shall accommodate floor drains with cleanouts. The design shall provide ceiling mounted bathroom occupancy indicators.

The design shall accommodate a single-basin community washing station outside of the bathroom complex with a garbage disposal and goose neck faucet.

The design shall remove waveguides.

### **Architecture and Preliminary Design**

The contractor shall develop a component level architecture and preliminary design (60% solution). The Contractor shall coordinate with the COTR/customer and baseline the preliminary design. The Contractor shall develop the Preliminary Design Review (PDR) material for presentation IAW the Systems Engineering Management Review (SEMR) process Design Review Board (DRB) and/or Engineering and Architecture Board (EAB) if so specified in the milestone(s). Specifications shall be in accordance Whole Building Design Guide (WBDG), Unified Facilities Guide Specifications (UFGS). Drawings shall be fashioned as follows:

1. Columns designated with Alpha Numeric Grid Lines for referencing purposes (current practice).
2. Drawings will be scalable to standard ANSI sheet sizes. Individual sheets will contain a scale (current practice).
3. The Title Block will be supplemented with or contain numbers that are unique to the project.
4. Cover sheet will be included and contain the following information:
  - a. Task Order Number
  - b. Task Number
  - c. Project Title
  - d. Submittal Type (Preliminary Design, Detailed Design)
  - e. Drawing Table of Contents
5. Border - Alpha Numeric Drawing coordinate system (current practice)
6. Existing drafting standards shall be followed to include but not limited to:
  - a. Levels
  - b. Reference schemes
  - c. Colors
  - d. Line weights
7. Drawing Areas- Typical Quadrant sheets will be used to communicate change and supplemented with standard sector drawings as required for scalability and readability purposes.
8. Designs will utilize current codes the UFGS, the UFC and JRDC design practices including the MUFGs. Details will be included and dimensioned or scaled as required.

9. Drawing package shall be arranged in the following order:
- a. Civil - "C" drawings
  - b. Architectural - "A" drawings
  - c. Structural - "S" drawings
  - d. Mechanical - "M" drawings
  - e. Plumbing - "P" drawings
  - f. Electrical - "E" drawings
  - g. Each section will be in the following order (when required):
    - i. Demolition
    - ii. New
    - iii. Details/Sections
    - iv. Schedules

- Products:
- 1) AHU 14a Preliminary Design
    - a. Design Analysis with all items 60% complete. It shall include all backup material; all design calculations, all explanatory material giving the design rationale for any design decisions, which would not be obvious to an engineer reviewing the design package.
    - b. 60% complete drawings including those addressing construction phasing
    - c. Specifications: redlined marked up specifications will be provided to allow reviewers to evaluate choices made by designers
    - d. Information Technology (IT) Bill of Material (BoM)
    - e. Non-IT Material Take off (i.e., quantity, square footage, linear footage, etc...)
  - 2) AHU 14a PDR presentation to DRB

### **Detailed Design**

The contractor shall develop a detailed design that captures specific architectures (architectural, electrical, mechanical, security and IT) necessary to support project implementation. The Contractor shall coordinate with the customer and baseline the detailed design. The Contractor shall develop the Detail Design Review (DDR) material for presentation if so specified in the milestone(s) IAW the SEMR process (Design Review Board (DRB)) and/or the CIO Engineering and Architecture Board (EAB) Charter as appropriate. Additionally, the Detailed Design Review (DDR) shall contain schedule and preliminary Bill of Material (BOM) requirements when applicable. Specifications shall be in accordance Whole Building Design Guide, Unified Facilities Guide Specifications (UFGS). Drawings shall be fashioned as follows:

1. Columns designated with Alpha Numeric Grid Lines for referencing purposes (current practice).
2. Drawings will be scalable to standard ANSI sheet sizes. Individual sheets will contain a scale (current practice).
3. The Title Block will be supplemented with or contain numbers that are unique to the project.

4. Cover sheet will be included and contain the following information:
  - a. Task Order Number
  - b. Task Number
  - c. Project Title
  - d. Submittal Type (Preliminary Design, Detailed Design)
  - e. Drawing Table of Contents
5. Border - Alpha Numeric Drawing coordinate system (current practice)
6. Existing drafting standards shall be followed to include but not limited to:
  - a. Levels
  - b. Reference schemes
  - c. Colors
  - d. Line weights
7. Drawing Areas - Typical Quadrant sheets will be used to communicate change and supplemented with standard sector drawings as required for scalability and readability purposes.
8. Designs will utilize current codes the UFGS, the UFC and Jacobs design practices including the MUFGs. Details will be included and dimensioned or scaled as required.
  - a. Drawing package shall be arranged in the following order:
    - Civil - "C" drawings
  - b. Architectural - "A" drawings
  - c. Structural - "S" drawings
  - d. Mechanical - "M" drawings
  - e. Plumbing - "P" drawings
  - f. Electrical - "E" drawings
  - g. Each section will be in the following order (when required):
    - i. Demolition
    - ii. New
    - iii. Details/Sections
    - iv. Schedules

- Products:
- 1) AHU 14a Detailed Design
    - a. Design Analysis with all items 100% complete. It shall include all backup material previously submitted and revised, as necessary, all design calculations, all explanatory material giving the design rationale for any design decisions which would not be obvious to an engineer reviewing the final drawings and specifications
    - b. 100% complete drawings including those addressing project construction phasing.
    - c. Specifications. Final edited specifications
    - d. Information Technology (IT) Bill of Material (BoM)
    - e. Non-IT Material Take off (i.e., quantity, square footage, linear footage, etc...)
  - 2) AHU 14a DDR presentation to DRB

**Tasking:** In accordance with Task 10.0 of the PWS and the milestone schedules below, the contractor shall perform the following tasks/phases:

<b>Task #</b>	<b>Element</b>	<b>Required, Not Applicable (N/A), Not Required To Be Determined (TBD)</b>	<b>Comment</b>
10.1	Task Order Administration	Required	
10.2	Project Planning	Required	
10.3	Requirements Identification	Required	
10.4	Preliminary Design	Required	
10.5	Detailed Design	Required	
10.6	Implementation	Not Required	
10.7	Closeout/Transition	Required	

**Constraints:** The constraints to be considered for this task are identified in the task order PWS. There are no additional constraints or considerations at this time.

**GFE/GFI:** None

## Milestones:

Activity	*Date	Comment
IBR	NA	
Requirements Traceability Matrix (RTM)	Contractor Discretion	
Preliminary Design Presentation	Contractor Discretion	Design Review Board (DRB)
Detailed Design Presentation	Contractor Discretion	Design Review Board (DRB)
Implementation Plan (includes schedule)	N/A	
Formal Acceptance/Punch List Development	N/A	
Beneficial Occupancy Date	N/A	
Implementation Complete	N/A	
Closeout/Transition Package Complete	19 Dec 2018	
Progress Reviews	Weekly or as required / Quarterly at TOSR	

\*Recommended entries for the Date column:

- Use Day Month Year format (e.g., DD MMM YY) when a specific delivery date is required.
- Use a specific number of days after a previous milestone approval to indicate when delivery is required, e.g., 30 Days after RTM Approval or 45 Days after PDR Approval.
- N/A: denotes not applicable or not required at any time for this particular project/task.
- TBD: denotes that the milestone activity is anticipated in the future for this project/task but is not required at this time. A modification to the task/project will be issued at a later date.
- Contractors Discretion: denotes that the Government is allowing the Contractor to specify the delivery date in their proposal in order to best manage internal resources and de-conflict multiple priorities for the purpose of maximizing efficiencies. The date will be agreed to during negotiations and updated at ATP.

## Technical Service Summary Items (SSI)

Technical Performance Service Summary Items (SSI) weights specific to this project are outlined below:

Number	Service Summary Items (SSI)	Weight
SSI 5	(b)(4)	
SSI 6		
SSI 7		
SSI 8		

## **Task/Project Description**

**Task/Project:** 12.7 1205 Facility Modification - Design  
REV1 12.7 1205 Facility Modification - Implementation

**Task Order:** HQ079618F8600 Infrastructure Support Projects

**Customers:** MDA/BC

**Period of Performance (POP):** 20 November 2018 – 12 April 2019

### **Background:**

Modifications to the 1205 area are required to support the sound proofing of room 1205-03 for mission requirements and providing back-up cooling capability for Room 1205-04.

### **Requirements**

Provide a design to:

- 1) Modify Room 1205-03 to meet ICD/ICS 705 and UFC 4-010-05 Sensitive Compartmented Information Facilities Planning, Design, And Construction
  - a. Area is designated amplified voice
  - b. Facility layout will remain the same
- 2) Provide back-up cooling for Room 1205-04.
- 3) Relocate electronic clock in the 1205 Conference Room to above the display monitors

REV1

Implement the design. Reference CDRL number C006-18F8600-0378.

### **Architecture and Preliminary Design**

The contractor shall develop a component level architecture and preliminary design (60% solution). The Contractor shall coordinate with the COTR/customer and baseline the preliminary design. The Contractor shall develop the Preliminary Design Review (PDR) material for presentation IAW the Systems Engineering Management Review (SEMR) process Design Review Board (DRB) and/or Engineering and Architecture Board (EAB) if so specified in the

milestone(s). Specifications shall be in accordance Whole Building Design Guide (WBDG), Unified Facilities Guide Specifications (UFGS). Drawings shall be fashioned as follows:

1. Columns designated with Alpha Numeric Grid Lines for referencing purposes (current practice).
2. Drawings will be scalable to standard ANSI sheet sizes. Individual sheets will contain a scale (current practice).
3. The Title Block will be supplemented with or contain numbers that are unique to the project.
4. Cover sheet will be included and contain the following information:
  - a. Task Order Number
  - b. Task Number
  - c. Project Title
  - d. Submittal Type (Preliminary Design, Detailed Design)
  - e. Drawing Table of Contents
5. Border - Alpha Numeric Drawing coordinate system (current practice)
6. Existing drafting standards shall be followed to include but not limited to:
  - a. Levels
  - b. Reference schemes
  - c. Colors
  - d. Line weights
7. Drawing Areas- Typical Quadrant sheets will be used to communicate change and supplemented with standard sector drawings as required for scalability and readability purposes.
8. Designs will utilize current codes the UFGS, the UFC and JRDC design practices including the MUFGs. Details will be included and dimensioned or scaled as required.
9. Drawing package shall be arranged in the following order:
  - a. Civil - "C" drawings
  - b. Architectural - "A" drawings
  - c. Structural - "S" drawings
  - d. Mechanical - "M" drawings
  - e. Plumbing - "P" drawings
  - f. Electrical - "E" drawings
  - g. Each section will be in the following order (when required):
    - i. Demolition
    - ii. New
    - iii. Details/Sections
    - iv. Schedules

Products: 1) Preliminary Design

- a. Design Analysis with all items 60% complete. It shall include all backup material; all design calculations, all explanatory material giving the

design rationale for any design decisions, which would not be obvious to an engineer reviewing the design package.

- b. 60% complete drawings including those addressing construction phasing
- c. Specifications: redlined marked up specifications will be provided to allow reviewers to evaluate choices made by designers
- d. Information Technology (IT) Bill of Material (BoM)
- e. Non-IT Material Take off (i.e., quantity, square footage, linear footage, etc...)

2) PDR presentation to DRB

### **Detailed Design**

The contractor shall develop a detailed design that captures specific architectures (architectural, electrical, mechanical, security and IT) necessary to support project implementation. The Contractor shall coordinate with the customer and baseline the detailed design. The Contractor shall develop the Detail Design Review (DDR) material for presentation if so specified in the milestone(s) IAW the SEMR process (Design Review Board (DRB)) and/or the CIO Engineering and Architecture Board (EAB) Charter as appropriate. Additionally, the Detailed Design Review (DDR) shall contain schedule and preliminary Bill of Material (BOM) requirements when applicable. Specifications shall be in accordance Whole Building Design Guide, Unified Facilities Guide Specifications (UFGS). Drawings shall be fashioned as follows:

1. Columns designated with Alpha Numeric Grid Lines for referencing purposes (current practice).
2. Drawings will be scalable to standard ANSI sheet sizes. Individual sheets will contain a scale (current practice).
3. The Title Block will be supplemented with or contain numbers that are unique to the project.
4. Cover sheet will be included and contain the following information:
  - a. Task Order Number
  - b. Task Number
  - c. Project Title
  - d. Submittal Type (Preliminary Design, Detailed Design)
  - e. Drawing Table of Contents
5. Border - Alpha Numeric Drawing coordinate system (current practice)
6. Existing drafting standards shall be followed to include but not limited to:
  - a. Levels
  - b. Reference schemes
  - c. Colors
  - d. Line weights

7. Drawing Areas - Typical Quadrant sheets will be used to communicate change and supplemented with standard sector drawings as required for scalability and readability purposes.
8. Designs will utilize current codes the UFGS, the UFC and Jacobs design practices including the MUFGs. Details will be included and dimensioned or scaled as required.
  - a. Drawing package shall be arranged in the following order:  
Civil - "C" drawings
  - b. Architectural - "A" drawings
  - c. Structural - "S" drawings
  - d. Mechanical - "M" drawings
  - e. Plumbing - "P" drawings
  - f. Electrical - "E" drawings
  - g. Each section will be in the following order (when required):
    - i. Demolition
    - ii. New
    - iii. Details/Sections
    - iv. Schedules

**Products:** 1) Detailed Design

- a. Design Analysis with all items 100% complete. It shall include all backup material previously submitted and revised, as necessary, all design calculations, all explanatory material giving the design rationale for any design decisions which would not be obvious to an engineer reviewing the final drawings and specifications
- b. 100% complete drawings including those addressing project construction phasing.
- c. Specifications. Final edited specifications
- d. Information Technology (IT) Bill of Material (BoM)
- e. Non-IT Material Take off (i.e., quantity, square footage, linear footage, etc...)

2) DDR presentation to DRB

**Tasking:** In accordance with Task 10.0 of the PWS and the milestone schedules below, the contractor shall perform the following tasks/phases:

Task #	Element	Required, Not Applicable (N/A), Not Required To Be Determined (TBD)	Comment
10.1	Task Order Administration	Required	
10.2	Project Planning	Required	
10.3	Requirements Identification	Required	
10.4	Preliminary Design	Required	

10.5	Detailed Design	Required	
10.6	Implementation	Not Required	REV1
10.7	Closeout/Transition	Required	

**Constraints:** The constraints to be considered for this task are identified in the task order PWS. There are no additional constraints or considerations at this time.

**GFE/GFI:** None

REV 1

**Tasking:** In accordance with Task 10.0 of the PWS and the milestone schedules below, the contractor shall perform the following tasks/phases:

Task #	Element	Required, Not Applicable (N/A), Not Required To Be Determined (TBD)	Comment
10.1	Task Order Administration	Required	
10.2	Project Planning	Required	
10.3	Requirements Identification	Required	
10.4	Preliminary Design	Not Required	
10.5	Detailed Design	Not Required	
10.6	Implementation	Required	REV1
10.7	Closeout/Transition	Required	

**Constraints:** The constraints to be considered for this task are identified in the task order PWS. There are no additional constraints or considerations at this time.

**GFE/GFI:** None

## Milestones:

Activity	*Date	Comment
IBR	NA	
Requirements Traceability Matrix (RTM)	Contractor Discretion	
Preliminary Design Presentation	Contractor Discretion	Design Review Board (DRB)
Detailed Design Presentation	Contractor Discretion	Design Review Board (DRB)
Implementation Plan (includes schedule)	N/A	
Formal Acceptance/Punch List Development	N/A	
Beneficial Occupancy Date	N/A	
Implementation Complete	N/A	
Closeout/Transition Package Complete	1 July 2018	
Progress Reviews	Weekly or as required / Quarterly at TOSR	

\*Recommended entries for the Date column:

- Use Day Month Year format (e.g., DD MMM YY) when a specific delivery date is required.
- Use a specific number of days after a previous milestone approval to indicate when delivery is required, e.g., 30 Days after RTM Approval or 45 Days after PDR Approval.
- N/A: denotes not applicable or not required at any time for this particular project/task.
- TBD: denotes that the milestone activity is anticipated in the future for this project/task but is not required at this time. A modification to the task/project will be issued at a later date.
- Contractors Discretion: denotes that the Government is allowing the Contractor to specify the delivery date in their proposal in order to best manage internal resources and de-conflict multiple priorities for the purpose of maximizing efficiencies. The date will be agreed to during negotiations and updated at ATP.

REVI

## Milestones:

Activity	*Date	Comment
IBR	NA	
Requirements Traceability Matrix (RTM)	Contractor Discretion	
Preliminary Design Presentation	Contractor Discretion	Design Review Board (DRB)
Detailed Design Presentation	Contractor Discretion	Design Review Board (DRB)
Implementation Plan (includes schedule)	Contractor Discretion	
Formal Acceptance/Punch List Development	Contractor Discretion	
Beneficial Occupancy Date	Contractor Discretion	
Implementation Complete	Contractor Discretion	
Closeout/Transition Package Complete	12 Apr 2019	
Progress Reviews	Weekly or as required / Quarterly at TOSR	

\*Recommended entries for the Date column:

- Use Day Month Year format (e.g., DD MMM YY) when a specific delivery date is required.
- Use a specific number of days after a previous milestone approval to indicate when delivery is required, e.g., 30 Days after RTM Approval or 45 Days after PDR Approval.
- N/A: denotes not applicable or not required at any time for this particular project/task.
- TBD: denotes that the milestone activity is anticipated in the future for this project/task but is not required at this time. A modification to the task/project will be issued at a later date.
- Contractors Discretion: denotes that the Government is allowing the Contractor to specify the delivery date in their proposal in order to best manage internal resources and de-conflict multiple priorities for the purpose of maximizing efficiencies. The date will be agreed to during negotiations and updated at ATP.

## Technical Service Summary Items (SSI)

Technical Performance Service Summary Items (SSI) weights specific to this project are outlined below:

Number	Service Summary Items (SSI)	Weight
SSI 5	(b)(4)	
SSI 6		
SSI 7		
SSI 8		

**REV 1**

**Technical Service Summary Items (SSI)**

Technical Performance Service Summary Items (SSI) weights specific to this project are outlined below:

Number	Service Summary Items (SSI)	Weight
SSI 5	(b)(4)	
SSI 6		
SSI 7		
SSI 8		

## **Task/Project Description**

**Task/Project:** 12.8rl Rev I Building 720 Roof Replacement

**Task Order:** HQ079618F8600 Infrastructure Support Projects

**Customers:** MDA/ICM/FDF

**Period of Performance (POP):** on or about 11 Feb 19 – 31 Oct 2019

### **Background:**

The roof on Building 720 was installed in 2007 and covers approximately 138,000 square feet. The current roof consists of a 90 mil thick EPDM roofing membrane adhered to 5/8-inch thick DensDeck Gypsum cover board adhered with foam adhesive to two layer of 3.3-inch thick polyisocyanurate insulation and a layer of loose-laid 6 mil thick polyethylene mechanical attached to the concrete and metal pan composite roof deck. The roof system has been analyzed by multiple roofing engineers and has been determined to have failed. The failure is attributed to moisture entering the roofing system between the EPDM and the 6 mil thick polyethylene vapor barrier resulting in disintegration of the insulation and delamination of EPDM. The roof system failure has accelerated due to high wind events at Schriever AFB. Total roof replacement is required.

### **Requirements**

**Objective:** Replace the Roofing System on Bldg 720 with a weather-tight system, drain to existing roof drains, and secured to resist loading per American Society of Civil Engineers Standard 7-10. The task includes, but is not limited to:

Design and a total roof system replacement for Bldg 720 consistent with UFC 301 10-03 and decisions made as a result of MST 18F8600-11.14, Building 720 Roof Replacement Engineering Analysis. Work to be included in the design:

- Lightning protection removal, replacement, and re-certification. The lightning protection system shall conform to the following guidance:
  - Air Force Instruction (AFI) 32-1065, Grounding Systems, 12 January 2015
  - AFI 32-1065, AFSPC Supplement 1, Grounding Systems, 3 February 2003
  - National Fire Protection Association (NFPA) 780
  - Unified Facilities Criteria (UFC) 3-575-01, Lightning and Static Electricity Protection Systems, 1 July 2012
  - UFC 3-520-01, Interior Electrical Systems, Change 2, 1 July 2012

- Removal and disposal of unnecessary roof structures, vents, cameras, and legacy fall protection system
- Installation of a complete free-standing passive fall protection around the outside edge of Building 720 roof surface. Fall protection shall comply with the following:
  - o American National Standards Institute (ANSI) standards A1264 and Z351
  - o AFI 91-203, Air Force Consolidated Occupational Safety Instruction
- Building 720 will be occupied during the roof replacement project which will require mitigation to the roof fresh air intake systems to ensure fumes/smells are minimized from entering the facility

The contractor shall implement the approved design solution developed in the tasks outlined above; Reference CDRL C006-18F8600-0611  
\_Detailed\_Design\_Package\_T12.8\_Bldg\_720\_Roof\_Design\_Replacement.pdf.

### **Architecture and Preliminary Design**

The contractor shall develop a component level architecture and preliminary design (60% solution). The Contractor shall coordinate with the COTR/customer and baseline the preliminary design. The Contractor shall develop the Preliminary Design Review (PDR) material for presentation IAW the Systems Engineering Management Review (SEMR) process Design Review Board (DRB) and/or Engineering and Architecture Board (EAB) if so specified in the milestone(s). Specifications shall be in accordance Whole Building Design Guide (WBDG), Unified Facilities Guide Specifications (UFGS). Drawings shall be fashioned as follows:

1. Columns designated with Alpha Numeric Grid Lines for referencing purposes (current practice).
2. Drawings will be scalable to standard ANSI sheet sizes. Individual sheets will contain a scale (current practice).
3. The Title Block will be supplemented with or contain numbers that are unique to the project.
4. Cover sheet will be included and contain the following information:
  - a. Task Order Number
  - b. Task Number
  - c. Project Title
  - d. Submittal Type (Preliminary Design, Detailed Design)
  - e. Drawing Table of Contents
5. Border - Alpha Numeric Drawing coordinate system (current practice)
6. Existing drafting standards shall be followed to include but not limited to:
  - a. Levels
  - b. Reference schemes
  - c. Colors
  - d. Line weights

7. Drawing Areas- Typical Quadrant sheets will be used to communicate change and supplemented with standard sector drawings as required for scalability and readability purposes.
8. Designs will utilize current codes the UFGS, the UFC and JRDC design practices including the MUFGs. Details will be included and dimensioned or scaled as required.
9. Drawing package shall be arranged in the following order:
  - a. Civil - "C" drawings
  - b. Architectural - "A" drawings
  - c. Structural - "S" drawings
  - d. Mechanical - "M" drawings
  - e. Plumbing - "P" drawings
  - f. Electrical - "E" drawings
  - g. Each section will be in the following order (when required):
    - i. Demolition
    - ii. New
    - iii. Details/Sections
    - iv. Schedules

- Products:
- 1) Preliminary Design
    - a. Design Analysis with all items 60% complete. It shall include all backup material; all design calculations, all explanatory material giving the design rationale for any design decisions, which would not be obvious to an engineer reviewing the design package.
    - b. 60% complete drawings including those addressing construction phasing
    - c. Specifications: redlined marked up specifications will be provided to allow reviewers to evaluate choices made by designers
    - d. Information Technology (IT) Bill of Material (BoM)
    - e. Non-IT Material Take off (i.e., quantity, square footage, linear footage, etc...)
  - 2) PDR presentation to DRB

### **Detailed Design**

The contractor shall develop a detailed design that captures specific architectures (architectural, electrical, mechanical, security and IT) necessary to support project implementation. The Contractor shall coordinate with the customer and baseline the detailed design. The Contractor shall develop the Detail Design Review (DDR) material for presentation if so specified in the milestone(s) IAW the SEMR process (Design Review Board (DRB)) and/or the CIO Engineering and Architecture Board (EAB) Charter as appropriate. Additionally, the Detailed Design Review (DDR) shall contain schedule and preliminary Bill of Material (BOM) requirements when applicable. Specifications shall be in accordance Whole Building Design Guide, Unified Facilities Guide Specifications (UFGS). Drawings shall be fashioned as follows:

1. Columns designated with Alpha Numeric Grid Lines for referencing purposes (current practice).
2. Drawings will be scalable to standard ANSI sheet sizes. Individual sheets will contain a scale (current practice).
3. The Title Block will be supplemented with or contain numbers that are unique to the project.
4. Cover sheet will be included and contain the following information:
  - a. Task Order Number
  - b. Task Number
  - c. Project Title
  - d. Submittal Type (Preliminary Design, Detailed Design)
  - e. Drawing Table of Contents
5. Border - Alpha Numeric Drawing coordinate system (current practice)
6. Existing drafting standards shall be followed to include but not limited to:
  - a. Levels
  - b. Reference schemes
  - c. Colors
  - d. Line weights
7. Drawing Areas - Typical Quadrant sheets will be used to communicate change and supplemented with standard sector drawings as required for scalability and readability purposes.
8. Designs will utilize current codes the UFGS, the UFC and Jacobs design practices including the MUFGs. Details will be included and dimensioned or scaled as required.
  - a. Drawing package shall be arranged in the following order:  
Civil - "C" drawings
  - b. Architectural - "A" drawings
  - c. Structural - "S" drawings
  - d. Mechanical - "M" drawings
  - e. Plumbing - "P" drawings
  - f. Electrical - "E" drawings
  - g. Each section will be in the following order (when required):
    - i. Demolition
    - ii. New
    - iii. Details/Sections
    - iv. Schedules

- Products:      1) Detailed Design
- a. Design Analysis with all items 100% complete. It shall include all backup material previously submitted and revised, as necessary, all design calculations, all explanatory material giving the design rationale for any design decisions which would not be obvious to an engineer reviewing the final drawings and specifications

- b. 100% complete drawings including those addressing project construction phasing.
- c. Specifications. Final edited specifications
- d. Information Technology (IT) Bill of Material (BoM)
- e. Non-IT Material Take off (i.e., quantity, square footage, linear footage, etc...)

2) DDR presentation to DRB

**Design Tasking:** In accordance with Task 10.0 of the PWS and the milestone schedules below, the contractor shall perform the following tasks/phases:

Task #	Element	Required, Not Applicable (N/A), Not Required To Be Determined (TBD)	Comment
10.1	Task Order Administration	Required	
10.2	Project Planning	Required	
10.3	Requirements Identification	Required	
10.4	Preliminary Design	Required	
10.5	Detailed Design	Required	
10.6	Implementation	Not Required	
10.7	Closeout/Transition	Required	

**Constraints:** The constraints to be considered for this task are identified in the task order PWS. There are no additional constraints or considerations at this time.

**Implementation Revision 1**

In accordance with Task 10.6, the contractor shall implement the design developed and approved for the Building 720 Roof Replacement only. Reference CDRL C006-18F8600-0611 \_Detailed\_Design\_Package\_T12.8\_Bldg\_720\_Roof\_Design\_Replacement.pdf.

An Implementation Plan (IP) shall be developed and provided to the government. The contractor shall execute the IP and complete all activities outlined in the RTM in accordance with the approved drawings and specifications, within the approved schedule.

Products: Implementation Plan

**Closeout/Transition Revision 1**

In accordance with Task 10.7, the contractor shall perform formal close out procedures, to include a formal walk-through of the project activity or area with the following stakeholders as applicable; MDIOC COTR, Government Customer, System Engineering (SE), Quality Assurance (QA), Safety, MDIOC Facilities Operations and Maintenance (FOM), Industrial Security and Physical Security.

**Implementation Tasking:** In accordance with Task 10.0 of the PWS and the milestone schedules below, the contractor shall perform the following tasks/phases:

Task #	Element	Required, Not Applicable (N/A), Not Required To Be Determined (TBD)	Comment
10.1	Task Order Administration	Required	
10.2	Project Planning	Required	
10.3	Requirements Identification	Required	
10.4	Preliminary Design	Required	
10.5	Detailed Design	Required	
10.6	Implementation	Required	
10.7	Closeout/Transition	Required	

**Constraints Revision 1:** The constraints to be considered for this task are identified in the task order PWS. There are no additional constraints or considerations at this time.

**GFE/GFI Revision 1:** None

### Milestones:

Activity	*Date	Comment
IBR	NA	
Requirements Traceability Matrix (RTM)	Contractor Discretion	
Preliminary Design Presentation	11/09/2018	Design Review Board (DRB)
Detailed Design Presentation	2/10/2018	Design Review Board (DRB)
Implementation Plan (includes schedule)	N/A	
Formal Acceptance/Punch List Development	N/A	
Beneficial Occupancy Date	N/A	
Implementation Complete	N/A	
Closeout/Transition Package Complete	15/10/2018	
Progress Reviews	Weekly or as required / Quarterly at TOSR	

\*Recommended entries for the Date column:

- Use Day Month Year format (e.g., DD MMM YY) when a specific delivery date is required.
- Use a specific number of days after a previous milestone approval to indicate when delivery is required, e.g., 30 Days after RTM Approval or 45 Days after PDR Approval.
- N/A: denotes not applicable or not required at any time for this particular project/task.

- TBD: denotes that the milestone activity is anticipated in the future for this project/task but is not required at this time. A modification to the task/project will be issued at a later date.
- Contractors Discretion: denotes that the Government is allowing the Contractor to specify the delivery date in their proposal in order to best manage internal resources and de-conflict multiple priorities for the purpose of maximizing efficiencies. The date will be agreed to during negotiations and updated at ATP.

### Milestones Revision 1:

Activity	*Date	Comment
IBR	N/A	
Requirements Traceability Matrix (RTM)	N/A	
Preliminary Design Presentation	N/A	
Detailed Design Presentation	N/A	
Implementation Plan (includes schedule)	15 Days After ATP	
Formal Acceptance/Punch List Development	Contractor Discretion	
Beneficial Occupancy Date	Contractor Discretion	
Implementation Complete	30/09/2019	
Closeout/Transition Package Complete	31/10/2019	
Progress Reviews	Weekly or as required / Quarterly at TOSR	

\*Recommended entries for the Date column:

- Use Day Month Year format (e.g., **DD MMM YY**) when a specific delivery date is required.
- Use a specific number of days after a previous milestone approval to indicate when delivery is required, e.g., 30 Days after RTM Approval or 45 Days after PDR Approval.
- N/A: denotes not applicable or not required at any time for this particular project/task.
- TBD: denotes that the milestone activity is anticipated in the future for this project/task but is not required at this time. A modification to the task/project will be issued at a later date.
- Contractors Discretion: denotes that the Government is allowing the Contractor to specify the delivery date in their proposal in order to best manage internal resources and de-conflict multiple priorities for the purpose of maximizing efficiencies. The date will be agreed to during negotiations and updated at ATP.

### Technical Service Summary Items (SSI)

Technical Performance Service Summary Items (SSI) weights specific to this project are outlined below:

#### Design

Number	Service Summary Items (SSI)	Weight
SSI 5	(b)(4)	
SSI 6		
SSI 7		
SSI 8		

**Implementation Revision 1**

Number	Service Summary Items (SSI)	Weight
SSI 5	(b)(4)	
SSI 6		
SSI 7		
SSI 8		

## **Task/Project Description**

**Task/Project:** 12.9 Renovate MCC-T (3401-10)

**Task Order:** HQ079618F8600 Infrastructure Support Projects

**Customers:** MDA/DTR

**Period of Performance (POP):** 23 Jul 18 – 28 Feb 2019

### **Background:**

The MDIOC Bldg 720, Mission Control Center– Targets (MCC-T) requires equipment and furniture updates to maintain capabilities for future MDA flight tests. Infrastructure improvements will include providing redundant power to each workstation similar to that provided in the MCC A & B renovation.

### **Requirements**

**Objective:** Upgrade the MCC-T to meet current mission requirements, updates include but are not limited to:

**Reference:** Attached PowerPoint presentation – MDIOC Flight Test Upgrades MCC-T



MDIOC Flight Test  
Upgrades\_MCC-T.ppt

- Furniture Upgrades
  - o Remove and replace the consoles in the proposed configuration
    - Capability of repositionable posts for monitor mounting (4 monitors)
    - Capability of repositionable posts for video and voice network control panels (panels supplied and installed by others); variance to location of control panel may be required based on specification of current model
    - Mounting hardware to support A/V, Voice Network, and Power Distribution
    - Cable management system to provide a clean installation and ensure of proper airflow and separation of power and data lines
  - o Replace console chairs (similar to those procured in the MCC A&B upgrade); provide 3 spare chairs in addition to the 24 console positions
- IT Upgrades/Reconfigurations

- Each console position will be provided 4 monitors
  - Provide keyboard, video and mouse (KVM) switching capability
  - Provide for Video Inject Capability (supplied by others)
- Possible relocation of rack equipment to support console configuration
- ULAN Capability at each console position
  - Provide ULAN mini-tower, laptop, or other solution at each console position – objective is to have ULAN capability with hardware not on console surface (re-use existing equipment where possible)
  - Provide video output displayed on one of the console position monitors (similar to current capability)
  - Provide two additional ULAN drops at each console position to support additional ULAN laptops and VOIP phones
- CLAN Capability at each console position (existing solution is acceptable)
- Infrastructure Upgrades
  - Provide redundant power to support each console position
  - Provide user accessible electrical outlets at each console position
- Architectural Upgrades
  - Replace carpeting throughout (replace cove base as required)
  - Patch and Paint where required

## **Requirements Identification**

In accordance with 10.3, the contractor shall develop and manage a Requirements Traceability Matrix.

## **Preliminary Design**

In accordance with 10.4, the contractor shall develop a component level architecture and preliminary design (60% solution). The Contractor shall coordinate with the COTR/customer and baseline the preliminary design. The Contractor shall develop the Preliminary Design Review (PDR) material for presentation IAW the Systems Engineering Management Review (SEMR) process Design Review Board (DRB) and/or Engineering and Architecture Board (EAB) if so specified in the milestone(s). Specifications shall be in accordance Whole Building Design Guide (WBDG), Unified Facilities Guide Specifications (UFGS). Drawings shall be fashioned as follows:

1. Columns designated with Alpha Numeric Grid Lines for referencing purposes (current practice).
2. Drawings will be scalable to standard ANSI sheet sizes. Individual sheets will contain a scale (current practice).

3. The Title Block will be supplemented with or contain numbers that are unique to the project.
4. Cover sheet will be included and contain the following information:
  - a. Task Order Number
  - b. Task Number
  - c. Project Title
  - d. Submittal Type (Preliminary Design, Detailed Design)
  - e. Drawing Table of Contents
5. Border - Alpha Numeric Drawing coordinate system (current practice)
6. Existing drafting standards shall be followed to include but not limited to:
  - a. Levels
  - b. Reference schemes
  - c. Colors
  - d. Line weights
7. Drawing Areas- Typical Quadrant sheets will be used to communicate change and supplemented with standard sector drawings as required for scalability and readability purposes.
8. Designs will utilize current codes the UFGS, the UFC and JRDC design practices including the MUFGs. Details will be included and dimensioned or scaled as required.
9. Drawing package shall be arranged in the following order:
  - a. Civil - "C" drawings
  - b. Architectural - "A" drawings
  - c. Structural - "S" drawings
  - d. Mechanical - "M" drawings
  - e. Plumbing - "P" drawings
  - f. Electrical - "E" drawings
  - g. Each section will be in the following order (when required):
    - i. Demolition
    - ii. New
    - iii. Details/Sections
    - iv. Schedules

- Products:
- 1) Preliminary Design
    - a. Design Analysis with all items 60% complete. It shall include all backup material; all design calculations, all explanatory material giving the design rationale for any design decisions, which would not be obvious to an engineer reviewing the design package.
    - b. 60% complete drawings including those addressing construction phasing
    - c. Specifications: redlined marked up specifications will be provided to allow reviewers to evaluate choices made by designers
    - d. Information Technology (IT) Bill of Material (BoM)
    - e. Non-IT Material Take off (i.e., quantity, square footage, linear footage, etc...)

2) PDR presentation to DRB

**Detailed Design**

In accordance with 10.5, the contractor shall develop a detailed design that captures specific architectures (architectural, electrical, mechanical, security and IT) necessary to support project implementation. The Contractor shall coordinate with the customer and baseline the detailed design. The Contractor shall develop the Detail Design Review (DDR) material for presentation if so specified in the milestone(s) IAW the SEMR process (Design Review Board (DRB)) and/or the CIO Engineering and Architecture Board (EAB) Charter as appropriate. Additionally, the Detailed Design Review (DDR) shall contain schedule and preliminary Bill of Material (BOM) requirements when applicable. Specifications shall be in accordance Whole Building Design Guide, Unified Facilities Guide Specifications (UFGS). Drawings shall be fashioned as follows:

1. Columns designated with Alpha Numeric Grid Lines for referencing purposes (current practice).
2. Drawings will be scalable to standard ANSI sheet sizes. Individual sheets will contain a scale (current practice).
3. The Title Block will be supplemented with or contain numbers that are unique to the project.
4. Cover sheet will be included and contain the following information:
  - a. Task Order Number
  - b. Task Number
  - c. Project Title
  - d. Submittal Type (Preliminary Design, Detailed Design)
  - e. Drawing Table of Contents
5. Border - Alpha Numeric Drawing coordinate system (current practice)
6. Existing drafting standards shall be followed to include but not limited to:
  - a. Levels
  - b. Reference schemes
  - c. Colors
  - d. Line weights
7. Drawing Areas - Typical Quadrant sheets will be used to communicate change and supplemented with standard sector drawings as required for scalability and readability purposes.
8. Designs will utilize current codes the UFGS, the UFC and Jacobs design practices including the MUFGs. Details will be included and dimensioned or scaled as required.
  - a. Drawing package shall be arranged in the following order:
    - Civil - "C" drawings
  - b. Architectural - "A" drawings
  - c. Structural - "S" drawings
  - d. Mechanical - "M" drawings
  - e. Plumbing - "P" drawings
  - f. Electrical - "E" drawings

- g. Each section will be in the following order (when required):
  - i. Demolition
  - ii. New
  - iii. Details/Sections
  - iv. Schedules

**Products:** 1) Detailed Design

- a. Design Analysis with all items 100% complete. It shall include all backup material previously submitted and revised, as necessary, all design calculations, all explanatory material giving the design rationale for any design decisions which would not be obvious to an engineer reviewing the final drawings and specifications
- b. 100% complete drawings including those addressing project construction phasing.
- c. Specifications. Final edited specifications
- d. Information Technology (IT) Bill of Material (BoM)
- e. Non-IT Material Take off (i.e., quantity, square footage, linear footage, etc...)

2) DDR presentation to DRB & ERB

**Implementation.**

In accordance with 10.6, the contractor shall implement the design developed and approved. An Implementation Plan (IP) shall be developed and provided to the government. The contractor shall execute the IP and complete all activities outlined in the RTM in accordance with the approved drawings and specifications, within the approved schedule.

**Products:** Implementation Plan

**Closeout/Transition.**

In accordance with 10.7, the contractor shall perform formal close out procedures, to include a formal walk-through of the project activity or area with the following stakeholders as applicable; MDIOC COTR, Government Customer, System Engineering (SE), Quality Assurance (QA), Safety, MDIOC Facilities Operations and Maintenance (FOM), Industrial Security and Physical Security.

**Products:** Project Closeout Documentation

**Tasking:** In accordance with Task 10.0 of the PWS and the milestone schedules below, the contractor shall perform the following tasks/phases:

<b>Task #</b>	<b>Element</b>	<b>Required, Not Applicable (N/A), Not Required To Be Determined (TBD)</b>	<b>Comment</b>
10.1	Task Order Administration	Required	
10.2	Project Planning	Required	
10.3	Requirements Identification	Required	
10.4	Preliminary Design	Required	
10.5	Detailed Design	Required	
10.6	Implementation	Required	
10.7	Closeout/Transition	Required	

**Constraints:** The constraints to be considered for this task are identified in the task order PWS. There are no additional constraints or considerations at this time.

**GFE/GFI:** None

## Milestones:

Activity	*Date	Comment
Baseline Review	60 DAC	
Requirements Traceability Matrix (RTM)	Contractor Discretion	
Preliminary Design Presentation	Contractor Discretion	Design Review Board (DRB)
Detailed Design Presentation	Contractor Discretion	Design Review Board (DRB) Enterprise Architecture Board (EAB)
Implementation Plan (includes schedule)	N/A	
Formal Acceptance/Punch List Development	N/A	
Beneficial Occupancy Date	1 Feb 2019	
Implementation Complete	N/A	
Closeout/Transition Package Complete	28 Feb 2019	
Progress Reviews	Weekly or as required / Quarterly at TOSR	

\*Recommended entries for the Date column:

- Use Day Month Year format (e.g., DD MMM YY) when a specific delivery date is required.
- Use a specific number of days after a previous milestone approval to indicate when delivery is required, e.g., 30 Days after RTM Approval or 45 Days after PDR Approval.
- N/A: denotes not applicable or not required at any time for this particular project/task.
- TBD: denotes that the milestone activity is anticipated in the future for this project/task but is not required at this time. A modification to the task/project will be issued at a later date.
- Contractors Discretion: denotes that the Government is allowing the Contractor to specify the delivery date in their proposal in order to best manage internal resources and de-conflict multiple priorities for the purpose of maximizing efficiencies. The date will be agreed to during negotiations and updated at ATP.

## Technical Service Summary Items (SSI)

Technical Performance Service Summary Items (SSI) weights specific to this project are outlined below:

Number	Service Summary Items (SSI)	Weight
SSI 5	(b)(4)	
SSI 6		
SSI 7		

SSI 8

(b)(4)

## **Task/Project Description**

**Task/Project:** 12.10 Construct ASBM SAP-F

**Task Order:** HQ079618F8600 Infrastructure Support Projects

**Customers:** MDA/DES

**Period of Performance (POP):** 23 July 2018 – 30 November 2018

### **Background:**

The DE/S organization has a new mission requiring a Special Access Program Facility (SAP-F). No existing capability within the Colorado Springs region meets the new mission requirements making the construction of a new facility required.

### **Requirements**

- Objective: Design a new SAP-F facility to support Anti-Ship Ballistic Missile (ASBM) and Modeling and Simulation Digital Development Analysis and laboratory activities. The new SAP-F will be constructed within DE/S allocated space and will include the following requirements
  - Security level: TS/SCI/SAP
  - Redundant power is required
  - Laboratory
    - 12 – 15 workstations
    - Connectivity and capability:
      - MDA CLAN/ULAN
      - THOR
      - THOR VTC (JWICS future capability) \*
      - Magellan
      - JAT LAN
    - 2 to 4 Large wall mounted monitors for collaboration at any work station (collaboration to extend into Conference Room)
    - AMX Panel to control display sources \*
    - Connectivity with Laboratory in HSV (VB3, Room BN210)
    - CVOIP, UVOIP, THOR VOIP, and ViPER capability
    - Printer (THOR, Magellan & JATLAN)
    - Secure IT Equipment servers (two racks) to be located in Rm 237; capability to increase by two racks in future

- Shredder – TS/SCI/SAP level
- 4 drawer safe, each drawer with combination
- Supply cabinet
- Lab manager position
- Conference room
  - 14 People (similar to CSF 346)
  - THOR VTC \*
  - JWICS VTC (future capability) \*
  - Two large wall mounted monitors for collaboration (tied to laboratory) \*
  - AMX Panel to control display sources \*
  - THOR VOIP and ViPER capability

\* Note: All audio/visual and VTC requirements will be designed and installed by the Research and Development Collaboration Services (RECS) Contract. IRES will be responsible for KSR development and submission on behalf of the customer (DES). The overall requirements for task 12.10 will be managed by the IRES TO8600 Team ensuring coordination of requirements/design/board briefings/implementation between contracts is integrated and efficiently executed. Constraints shall be identified in the BOE.

### **Requirements Identification**

In accordance with 10.3, the contractor shall develop and manage Requirements Traceability Matrix.

### **Preliminary Design**

In accordance with 10.4, the contractor shall develop a component level architecture and preliminary design (60% solution). The Contractor shall coordinate with the COTR/customer and baseline the preliminary design. The Contractor shall develop the Preliminary Design Review (PDR) material for presentation IAW the Systems Engineering Management Review (SEMR) process Design Review Board (DRB) and/or Engineering and Architecture Board (EAB) if so specified in the milestone(s). Specifications shall be in accordance Whole Building Design Guide (WBDG), Unified Facilities Guide Specifications (UFGS). Drawings shall be fashioned as follows:

1. Columns designated with Alpha Numeric Grid Lines for referencing purposes (current practice).
2. Drawings will be scalable to standard ANSI sheet sizes. Individual sheets will contain a scale (current practice).
3. The Title Block will be supplemented with or contain numbers that are unique to the project.
4. Cover sheet will be included and contain the following information:
  - a. Task Order Number

- b. Task Number
- c. Project Title
- d. Submittal Type (Preliminary Design, Detailed Design)
- e. Drawing Table of Contents
- 5. Border - Alpha Numeric Drawing coordinate system (current practice)
- 6. Existing drafting standards shall be followed to include but not limited to:
  - a. Levels
  - b. Reference schemes
  - c. Colors
  - d. Line weights
- 7. Drawing Areas- Typical Quadrant sheets will be used to communicate change and supplemented with standard sector drawings as required for scalability and readability purposes.
- 8. Designs will utilize current codes the UFGS, the UFC and JRDC design practices including the MUFGs. Details will be included and dimensioned or scaled as required.
- 9. Drawing package shall be arranged in the following order:
  - a. Civil - "C" drawings
  - b. Architectural - "A" drawings
  - c. Structural - "S" drawings
  - d. Mechanical - "M" drawings
  - e. Plumbing - "P" drawings
  - f. Electrical - "E" drawings
  - g. Each section will be in the following order (when required):
    - i. Demolition
    - ii. New
    - iii. Details/Sections
    - iv. Schedules

Products:

1) Preliminary Design

- a. Design Analysis with all items 60% complete. It shall include all backup material; all design calculations, all explanatory material giving the design rationale for any design decisions, which would not be obvious to an engineer reviewing the design package.
- b. 60% complete drawings including those addressing construction phasing
- c. Specifications: redlined marked up specifications will be provided to allow reviewers to evaluate choices made by designers
- d. Information Technology (IT) Bill of Material (BoM)
- e. Non-IT Material Take off (i.e., quantity, square footage, linear footage, etc...)

2) PDR presentation to DRB

## Detailed Design

In accordance with 10.5, the contractor shall develop a detailed design that captures specific architectures (architectural, electrical, mechanical, security and IT) necessary to support project implementation. The Contractor shall coordinate with the customer and baseline the detailed design. The Contractor shall develop the Detail Design Review (DDR) material for presentation if so specified in the milestone(s) IAW the SEMR process (Design Review Board (DRB)) and/or the CIO Engineering and Architecture Board (EAB) Charter as appropriate. Additionally, the Detailed Design Review (DDR) shall contain schedule and preliminary Bill of Material (BOM) requirements when applicable. Specifications shall be in accordance Whole Building Design Guide, Unified Facilities Guide Specifications (UFGS). Drawings shall be fashioned as follows:

1. Columns designated with Alpha Numeric Grid Lines for referencing purposes (current practice).
2. Drawings will be scalable to standard ANSI sheet sizes. Individual sheets will contain a scale (current practice).
3. The Title Block will be supplemented with or contain numbers that are unique to the project.
4. Cover sheet will be included and contain the following information:
  - a. Task Order Number
  - b. Task Number
  - c. Project Title
  - d. Submittal Type (Preliminary Design, Detailed Design)
  - e. Drawing Table of Contents
5. Border - Alpha Numeric Drawing coordinate system (current practice)
6. Existing drafting standards shall be followed to include but not limited to:
  - a. Levels
  - b. Reference schemes
  - c. Colors
  - d. Line weights
7. Drawing Areas - Typical Quadrant sheets will be used to communicate change and supplemented with standard sector drawings as required for scalability and readability purposes.
8. Designs will utilize current codes the UFGS, the UFC and Jacobs design practices including the MUFGs. Details will be included and dimensioned or scaled as required.
  - a. Drawing package shall be arranged in the following order:
    - Civil - "C" drawings
  - b. Architectural - "A" drawings
  - c. Structural - "S" drawings
  - d. Mechanical - "M" drawings
  - e. Plumbing - "P" drawings
  - f. Electrical - "E" drawings
  - g. Each section will be in the following order (when required):
    - i. Demolition

- ii. New
- iii. Details/Sections
- iv. Schedules

**Products:** 1) Detailed Design

- a. Design Analysis with all items 100% complete. It shall include all backup material previously submitted and revised, as necessary, all design calculations, all explanatory material giving the design rationale for any design decisions which would not be obvious to an engineer reviewing the final drawings and specifications
- b. 100% complete drawings including those addressing project construction phasing.
- c. Specifications. Final edited specifications
- d. Information Technology (IT) Bill of Material (BoM)
- e. Non-IT Material Take off (i.e., quantity, square footage, linear footage, etc...)

2) DDR presentation to DRB & ERB

**Closeout/Transition.**

In accordance with 10.7, the contractor shall perform formal close out procedures, to include a formal walk-through of the project activity or area with the following stakeholders as applicable; MDIOC COTR, Government Customer, System Engineering (SE), Quality Assurance (QA), Safety, MDIOC Facilities Operations and Maintenance (FOM), Industrial Security and Physical Security.

**Products:** Project Closeout Documentation

**Tasking:** In accordance with Task 10.0 of the PWS and the milestone schedules below, the contractor shall perform the following tasks/phases:

Task #	Element	Required, Not Applicable (N/A), Not Required To Be Determined (TBD)	Comment
10.1	Task Order Administration	Required	
10.2	Project Planning	Required	
10.3	Requirements Identification	Required	
10.4	Preliminary Design	Required	
10.5	Detailed Design	Required	
10.6	Implementation	Not Required	
10.7	Closeout/Transition	Required	

**Constraints:** The constraints to be considered for this task are identified in the task order PWS. There are no additional constraints or considerations at this time.

**GFE/GFI:** None

## Milestones:

Activity	*Date	Comment
Baseline Review	60 DAC	
Requirements Traceability Matrix (RTM)	Contractor Discretion	
Preliminary Design Presentation	Contractor Discretion	Design Review Board (DRB)
Detailed Design Presentation	Contractor Discretion	Design Review Board (DRB)
Implementation Plan (includes schedule)	N/A	
Formal Acceptance/Punch List Development	N/A	
Beneficial Occupancy Date	N/A	
Implementation Complete	N/A	
Closeout/Transition Package Complete	30 Nov 2018	
Progress Reviews	Weekly or as required / Quarterly at TOSR	

\*Recommended entries for the Date column:

- Use Day Month Year format (e.g., DD MMM YY) when a specific delivery date is required.
- Use a specific number of days after a previous milestone approval to indicate when delivery is required, e.g., 30 Days after RTM Approval or 45 Days after PDR Approval.
- N/A: denotes not applicable or not required at any time for this particular project/task.
- TBD: denotes that the milestone activity is anticipated in the future for this project/task but is not required at this time. A modification to the task/project will be issued at a later date.
- Contractors Discretion: denotes that the Government is allowing the Contractor to specify the delivery date in their proposal in order to best manage internal resources and de-conflict multiple priorities for the purpose of maximizing efficiencies. The date will be agreed to during negotiations and updated at ATP.

## Technical Service Summary Items (SSI)

Technical Performance Service Summary Items (SSI) weights specific to this project are outlined below:

Number	Service Summary Items (SSI)	Weight
SSI 5	(b)(4)	
SSI 6		
SSI 7		
SSI 8		

## **Task/Project Description**

**Task/Project:** 12.11 Revision 1 Data Center 2201 Electrical for C2BMC Implementation

**Task Order:** HQ079618F8600 Infrastructure Support Projects

**Customers:** MDA/BC

**Period of Performance (POP):** 31 August 18 – 5 April 19

Revision 1 27 February 19 – 31 August 2019

### **Background:**

C2BMC Spiral 6.4 equipment is being decommissioned and planning has begun for C2BMC Spiral 8.2-5 equipment deployment. Modifications to the Room 2201 Data Center electrical, cable and rack infrastructure is required to support upcoming C2BMC requirements.

### **Requirements**

Provide a design to:

- 1) Modify electrical infrastructure to support redundant power to listed C2BMC racks (see attached excel file)
  - Demo 110V power
  - Install new 220V receptacles to each rack identified with “A” and “B” sources
  - Install new RPPs as required
  - Demo Legacy electrical panels as required and ensure clean finish after demo
  - Modify(rotate) existing RPP to support new racks as required
  - Re-feed any existing RPPs as required to adhere to standard data room “A” and “B” RPP locations
- 2) Design new cable trays to support new racks.
- 3) Verify heat loading delta from existing serves to be decommissioned and new equipment to determine any mechanical modification and ensure modification are included within design
- 4) Removal of outdated racks and installation of new updated racks. Procure and install new updated racks as specified by customer.

## **Architecture and Preliminary Design**

The contractor shall develop a component level architecture and preliminary design (60% solution). The Contractor shall coordinate with the COTR/customer and baseline the preliminary design. The Contractor shall develop the Preliminary Design Review (PDR) material for presentation IAW the Systems Engineering Management Review (SEMR) process Design Review Board (DRB) and/or Engineering and Architecture Board (EAB) if so specified in the milestone(s). Specifications shall be in accordance Whole Building Design Guide (WBDG), Unified Facilities Guide Specifications (UFGS). Drawings shall be fashioned as follows:

1. Columns designated with Alpha Numeric Grid Lines for referencing purposes (current practice).
2. Drawings will be scalable to standard ANSI sheet sizes. Individual sheets will contain a scale (current practice).
3. The Title Block will be supplemented with or contain numbers that are unique to the project.
4. Cover sheet will be included and contain the following information:
  - a. Task Order Number
  - b. Task Number
  - c. Project Title
  - d. Submittal Type (Preliminary Design, Detailed Design)
  - e. Drawing Table of Contents
5. Border - Alpha Numeric Drawing coordinate system (current practice)
6. Existing drafting standards shall be followed to include but not limited to:
  - a. Levels
  - b. Reference schemes
  - c. Colors
  - d. Line weights
7. Drawing Areas- Typical Quadrant sheets will be used to communicate change and supplemented with standard sector drawings as required for scalability and readability purposes.
8. Designs will utilize current codes the UFGS, the UFC and JRDC design practices including the MUFGs. Details will be included and dimensioned or scaled as required.
9. Drawing package shall be arranged in the following order:
  - a. Civil - "C" drawings
  - b. Architectural - "A" drawings
  - c. Structural - "S" drawings
  - d. Mechanical - "M" drawings
  - e. Plumbing - "P" drawings
  - f. Electrical - "E" drawings
  - g. Each section will be in the following order (when required):
    - i. Demolition
    - ii. New

- iii. Details/Sections
- iv. Schedules

- Products:
- 1) Preliminary Design
    - a. Design Analysis with all items 60% complete. It shall include all backup material; all design calculations, all explanatory material giving the design rationale for any design decisions, which would not be obvious to an engineer reviewing the design package.
    - b. 60% complete drawings including those addressing construction phasing
    - c. Specifications: redlined marked up specifications will be provided to allow reviewers to evaluate choices made by designers
    - d. Information Technology (IT) Bill of Material (BoM)
    - e. Non-IT Material Take off (i.e., quantity, square footage, linear footage, etc...)
  - 2) PDR presentation to DRB

### **Detailed Design**

The contractor shall develop a detailed design that captures specific architectures (architectural, electrical, mechanical, security and IT) necessary to support project implementation. The Contractor shall coordinate with the customer and baseline the detailed design. The Contractor shall develop the Detail Design Review (DDR) material for presentation if so specified in the milestone(s) IAW the SEMR process (Design Review Board (DRB)) and/or the CIO Engineering and Architecture Board (EAB) Charter as appropriate. Additionally, the Detailed Design Review (DDR) shall contain schedule and preliminary Bill of Material (BOM) requirements when applicable. Specifications shall be in accordance Whole Building Design Guide, Unified Facilities Guide Specifications (UFGS). Drawings shall be fashioned as follows:

1. Columns designated with Alpha Numeric Grid Lines for referencing purposes (current practice).
2. Drawings will be scalable to standard ANSI sheet sizes. Individual sheets will contain a scale (current practice).
3. The Title Block will be supplemented with or contain numbers that are unique to the project.
4. Cover sheet will be included and contain the following information:
  - a. Task Order Number
  - b. Task Number
  - c. Project Title
  - d. Submittal Type (Preliminary Design, Detailed Design)
  - e. Drawing Table of Contents
5. Border - Alpha Numeric Drawing coordinate system (current practice)
6. Existing drafting standards shall be followed to include but not limited to:

- a. Levels
- b. Reference schemes
- c. Colors
- d. Line weights
- 7. Drawing Areas - Typical Quadrant sheets will be used to communicate change and supplemented with standard sector drawings as required for scalability and readability purposes.
- 8. Designs will utilize current codes the UFGS, the UFC and Jacobs design practices including the MUFGs. Details will be included and dimensioned or scaled as required.
  - a. Drawing package shall be arranged in the following order:  
Civil - "C" drawings
  - b. Architectural - "A" drawings
  - c. Structural - "S" drawings
  - d. Mechanical - "M" drawings
  - e. Plumbing - "P" drawings
  - f. Electrical - "E" drawings
  - g. Each section will be in the following order (when required):
    - i. Demolition
    - ii. New
    - iii. Details/Sections
    - iv. Schedules

- Products:
- 1) Detailed Design
    - a. Design Analysis with all items 100% complete. It shall include all backup material previously submitted and revised, as necessary, all design calculations, all explanatory material giving the design rationale for any design decisions which would not be obvious to an engineer reviewing the final drawings and specifications
    - b. 100% complete drawings including those addressing project construction phasing.
    - c. Specifications. Final edited specifications
    - d. Information Technology (IT) Bill of Material (BoM)
    - e. Non-IT Material Take off (i.e., quantity, square footage, linear footage, etc...)
  - 2) DDR presentation to DRB

**Design Tasking:** In accordance with Task 10.0 of the PWS and the milestone schedules below, the contractor shall perform the following tasks/phases:

Task #	Element	Required, Not Applicable (N/A),	Comment
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		<b>Not Required To Be Determined (TBD)</b>	
10.1	Task Order Administration	Required	
10.2	Project Planning	Required	
10.3	Requirements Identification	Required	
10.4	Preliminary Design	Required	
10.5	Detailed Design	Required	
10.6	Implementation	Not Required	Draft Rev 1- Final
10.7	Closeout/Transition	Required	

**Constraints:** The constraints to be considered for this task are identified in the task order PWS.

- 1) Removal of outdated racks, procurement and installation of new updated racks under MST 11.32 C2BMC Racks.
- 2) Upgrading power for this project may affect organizations outside this project.

#### **Implementation Revision 1**

In accordance with Task 10.6, the contractor shall implement the design developed and approved for the Data Center 2201 Electrical Modification for C2BMC only. An Implementation Plan (IP) shall be developed and provided to the government. The contractor shall execute the IP and complete all activities outlined in the RTM in accordance with the approved drawings and specifications, within the approved schedule.

#### **Products Revision 1: Implementation Plan**

#### **Closeout/Transition Revision 1**

In accordance with Task 10.7, the contractor shall perform formal close out procedures, to include a formal walk-through of the project activity or area with the following stakeholders as applicable; MDIOC COTR, Government Customer, System Engineering (SE), Quality Assurance (QA), Safety, MDIOC Facilities Operations and Maintenance (FOM), Industrial Security, and Physical Security.

**Implementation Tasking:** In accordance with Task 10.0 of the PWS and the milestone schedules below, the contractor shall perform the following tasks/phases:

<b>Task #</b>	<b>Element</b>	<b>Required, Not Applicable (N/A), Not Required To Be Determined (TBD)</b>	<b>Comment</b>
10.1	Task Order Administration	Required	

10.2	Project Planning	Required	
10.3	Requirements Identification	Not Required	
10.4	Preliminary Design	Not Required	
10.5	Detailed Design	Not Required	
10.6	Implementation	Required	
10.7	Closeout/Transition	Required	

**Constraints Revision 1:** The constraints to be considered for this task are identified in the task order PWS.

1. Procurement of new updated racks by other contractual action outside of this task.
2. Upgrading power for this project may affect organizations outside this project.

There are no additional constraints or considerations at this time.

**GFE/GFI Revision 1:** None

### **Milestones:**

Activity	*Date	Comment
IBR	NA	
Requirements Traceability Matrix (RTM)	15 OCT 18	
Preliminary Design Presentation	15 OCT 18	Design Review Board (DRB)
Detailed Design Presentation	15 NOV 18	Design Review Board (DRB)
Implementation Plan (includes schedule)	N/A	
Formal Acceptance/Punch List Development	N/A	
Beneficial Occupancy Date	N/A	
Implementation Complete	N/A	
Closeout/Transition Package Complete	5 April 2019	
Progress Reviews	Weekly or as required / Quarterly at TOSR	

\*Recommended entries for the Date column:

- Use Day Month Year format (e.g., DD MMM YY) when a specific delivery date is required.
- Use a specific number of days after a previous milestone approval to indicate when delivery is required, e.g., 30 Days after RTM Approval or 45 Days after PDR Approval.
- N/A: denotes not applicable or not required at any time for this particular project/task.
- TBD: denotes that the milestone activity is anticipated in the future for this project/task but is not required at this time. A modification to the task/project will be issued at a later date.

- **Contractors Discretion:** denotes that the Government is allowing the Contractor to specify the delivery date in their proposal in order to best manage internal resources and de-conflict multiple priorities for the purpose of maximizing efficiencies. The date will be agreed to during negotiations and updated at ATP.

### **Milestones Revision 1:**

<b>Activity</b>	<b>*Date</b>	<b>Comment</b>
IBR	N/A	
Requirements Traceability Matrix (RTM)	N/A	
Preliminary Design Presentation	N/A	
Detailed Design Presentation	N/A	
Implementation Plan (includes schedule)	15 Days After ATP	
<b>Phase 1: OCL</b>	<b>30 APR 2019</b>	
<b>Phase 2: Spiral 8.2-5</b>	<b>8 Jun 2019</b>	
<b>Phase 3: Test Environment Upgrades</b>	<b>22 Aug 2019</b>	
<b>Phase 4: Complete Permanent Power</b>	<b>22 Aug 2019</b>	
Formal Acceptance/Punch List Development	Contractor Discretion	
Beneficial Occupancy Date	N/A	
Implementation Complete	<b>22 Aug 2019</b>	
Closeout/Transition Package Complete	<b>23 Sept 2019</b>	
Progress Reviews	Weekly or as required / Monthly at TOSR	

\*Recommended entries for the Date column:

- Use Day Month Year format (e.g., DD MMM YY) when a specific delivery date is required.
- Use a specific number of days after a previous milestone approval to indicate when delivery is required, e.g., 30 Days after RTM Approval or 45 Days after PDR Approval.
- N/A: denotes not applicable or not required at any time for this particular project/task.
- TBD: denotes that the milestone activity is anticipated in the future for this project/task but is not required at this time. A modification to the task/project will be issued at a later date.
- **Contractors Discretion:** denotes that the Government is allowing the Contractor to specify the delivery date in their proposal in order to best manage internal resources and de-conflict multiple priorities for the purpose of maximizing efficiencies. The date will be agreed to during negotiations and updated at ATP.

### **Technical Service Summary Items (SSI)**

Technical Performance Service Summary Items (SSI) weights specific to this project are outlined below:

**Design**

Number	Service Summary Items (SSI)	Weight
SSI 5	(b)(4)	
SSI 6		
SSI 7		
SSI 8		

**Implementation Revision 1**

Number	Service Summary Items (SSI)	Weight
SSI 5	(b)(4)	
SSI 6		
SSI 7		
SSI 8		

## **Task/Project Description**

**Task/Project:** 12.12 Custodial Storage and Office Reconfiguration – (Implementation of MST 11.10)

**Task Order:** HQ079618F8600 Infrastructure Support Projects

**Customers:** MDA/IC

**Period of Performance (POP):** 20 November 2018 – 7 March 2019

### **Background:**

The MDIOC Custodial Contractor, Goodwill Industrial Services Corporation (GISC), a subcontractor to Huntsville Rehabilitation Foundation, currently has their office and breakroom in Room 115, supply storage in Room 136-1, and is storing battery powered equipment in Room 136 under a temporary arrangement. In order to consolidate their operations within MDIOC, provide adequate space for storage of equipment and consumable supplies, and remove their equipment from its present location in the mechanical room, facility support is required for them to relocate their office to Room 136-01 and their supply and equipment storage to Room 115.

### **Requirements**

- 1) Implement the design completed on MST 11.10. Detailed requirements from MST 11.10 are listed below for reference.
- Contractor shall complete the facility design given the following requirements:
  - Objective: Prepare room 115 for custodial supply, equipment storage, and equipment charging capability. Work includes, but is not limited to:
    - Compliant with OSHA and NFPA including wall-mounted, self-contained eye wash station with signage (minimum 15 minute deluge) and the addition of fire alarm notification appliances (horn and strobe).
    - Remove room contents and prepare area for custodial supply, equipment storage, and equipment charging.
    - Adjust electrical and HVAC infrastructure as required including two, 20A, GFI protected circuits to service up to three trickle chargers each.
  - Objective: Prepare room 136-01 for custodial office, break area, locker storage, and washer and dryer service. Work includes, but is not limited to:
    - Paint walls
    - Install new standard carpet tile
    - Relocate the 2 Internet/ Phone lines for 115 to 136-01.

- Install new ceiling lighting.
- Adjust electrical and HVAC infrastructure as required
- Relocate and hang 2 each white boards and cork boards from 115 to 136-01
- Provide plumbing and electrical service for one each, standard size Washer and Dryer. Dryer circuit must be 220V, GFI protected with three-prong outlet. Dryer venting must go directly to the outside of the building and if through fire rated wall, the penetrations must be restored to original fire rating.
- Compliant with OSHA and NFPA including the addition of fire alarm notification appliances (horn and strobe).

Customer will relocate all furnishings and equipment except as specified above.

### **Requirements Identification**

In accordance with 10.3, the contractor shall develop and manage Requirements Traceability Matrix.

### **Closeout/Transition.**

In accordance with 10.7, the contractor shall perform formal close out procedures, to include a formal walk-through of the project activity or area with the following stakeholders as applicable; MDIOC COTR, Government Customer, System Engineering (SE), Quality Assurance (QA), Safety, MDIOC Facilities Operations and Maintenance (FOM), Industrial Security and Physical Security.

Products: Project Closeout Documentation

**Tasking:** In accordance with Task 10.0 of the PWS and the milestone schedules below, the contractor shall perform the following tasks/phases:

<b>Task #</b>	<b>Element</b>	<b>Required, Not Applicable (N/A), Not Required To Be Determined (TBD)</b>	<b>Comment</b>
10.1	Task Order Administration	Required	
10.2	Project Planning	Required	
10.3	Requirements Identification	N/A	
10.4	Preliminary Design	N/A	
10.5	Detailed Design	N/A	
10.6	Implementation	Required	
10.7	Closeout/Transition	Required	

**Constraints:** The constraints to be considered for this task are identified in the task order PWS. There are no additional constraints or considerations at this time.

**GFE/GFI:** None

## Milestones:

Activity	Date	Comment
Baseline Review	60DAC	
Requirements Traceability Matrix (RTM)	N/A	
Preliminary Design Presentation	N/A	
Detailed Design Presentation	N/A	
Implementation Plan (includes schedule)	30 DAC	
Formal Acceptance/Punch List Development	72 DAC	
Beneficial Occupancy Date	72 DAC	
Implementation Complete	72 DAC	
Closeout/Transition Package Complete	106 DAC	
Progress Reviews	Weekly or as required / Quarterly at TOSR	

\*Recommended entries for the Date column:

- Use Day Month Year format (e.g., DD MMM YY) when a specific delivery date is required.
- Use a specific number of days after a previous milestone approval to indicate when delivery is required, e.g., 30 Days after RTM Approval or 45 Days after PDR Approval.
- N/A: denotes not applicable or not required at any time for this particular project/task.
- TBD: denotes that the milestone activity is anticipated in the future for this project/task but is not required at this time. A modification to the task/project will be issued at a later date.
- Contractors Discretion: denotes that the Government is allowing the Contractor to specify the delivery date in their proposal in order to best manage internal resources and de-conflict multiple priorities for the purpose of maximizing efficiencies. The date will be agreed to during negotiations and updated at ATP.

## Technical Service Summary Items (SSI)

Technical Performance Service Summary Items (SSI) weights specific to this project are outlined below:

Number	Service Summary Items (SSI)	Weight
SSI 5	(b)(4)	
SSI 6		
SSI 7		
SSI 8		

## **Task/Project Description**

**Task/Project:** 12.13 Room 2301 Security Upgrades – Design Only

**Task Order:** HQ079618F8600 Infrastructure Support Projects

**Customers:** MDA/BC

**Period of Performance (POP):** 16 October 2018 – 31 March 2019

### **Background:**

Rooms 2301, 2301-1, 2301-2, 2302 requires remodeling to meet ICD 705 / UFC 4-010-05 standards.

### **Requirements**

Modifications required to meet ICD 705 / UFC 4-010-05 standards:

#### **All rooms walls, general**

- Remove all unused/excess cables from beneath false floor.
- All cables need to be labeled where they penetrate perimeter wall.
- All cable trays need pillows / caulk and seal trays.
- Modernize facility HVAC (VAV) and lighting.
- Dimmable LED lighting.

#### **Room by Room walls modifications**

- **2301-02 North wall**
  - Remove all old power and Comm Jbox/wire/conduit.
  - Patch all holes prior to adding new sheetrock.
  - Remove VTC and mounting plywood
  - Add 2 layers of 5/8" sheetrock from true floor to true ceiling.
  - Walls must be uniformly finished/painted from floor slab (true floor) to underside of floor or roof deck (true ceiling). Seal partition continuously with acoustical foam or sealant (both sides) and finished to match wall wherever it abuts another element such as the floor, ceiling, wall, column, or mullion.
  - Relocate power and communication access to false floor via floor outlets, surface mount all Jboxes.
  - Reinstall VTC and mounting plywood.
  - Label all cables penetrating this wall.

- **2301-02 West wall**

- Remove all old power and Comm Jbox/wire/conduit.
- Patch all holes prior to adding new sheetrock.
- Remove two mounting plywood.
- Add 1 layer of 5/8" sheetrock from true floor to true ceiling.
- Walls must be uniformly finished/painted from floor slab (true floor) to underside of floor or roof deck (true ceiling). Seal partition continuously with acoustical foam or sealant (both sides) and finished to match wall wherever it abuts another element such as the floor, ceiling, wall, column, or mullion.
- Relocate power and communication access to false floor via floor outlets, surface mount all Jboxes.
- Place all cables penetrating the wall into conduit and seal to wall/fill gap in conduit.
- Place pillows and caulk into cable tray NG 153.
- Label cables in cable tray NG153.

- **2301-02 South wall**

- Remove all old power and Comm Jbox/wire/conduit.
- Patch all holes prior to adding new sheetrock.
- Add 1 layer of 5/8" sheetrock from true floor to true ceiling.
- Walls must be uniformly finished/painted from floor slab (true floor) to underside of floor or roof deck (true ceiling). Seal partition continuously with acoustical foam or sealant (both sides) and finished to match wall wherever it abuts another element such as the floor, ceiling, wall, column, or mullion.
- Relocate power and communication access to false floor via floor outlets, surface mount all Jboxes.
- Place all cables penetrating the wall into conduit and seal to wall/fill gap in conduit.
- Place pillows and caulk into cable tray JG34.
- Label cables in cable tray JG34.

- **2301-01 South wall**

- Remove all old power and Comm Jbox/wire/conduit.
- Patch all holes prior to adding new sheetrock.
- Add 1 layer of 5/8" sheetrock from true floor to true ceiling.
- Walls must be uniformly finished/painted from floor slab (true floor) to underside of floor or roof deck (true ceiling). Seal partition continuously with acoustical foam or sealant (both sides) and finished to match wall wherever it abuts another element such as the floor, ceiling, wall, column, or mullion.

- Relocate power and communication access to false floor via floor outlets, surface mount all Jboxes.
- Place all cables penetrating the wall into conduit and seal to wall/fill gap in conduit.
- Place pillows and caulk into cable tray NG22.
- Label cables in cable tray NG22.
- Remove door and seal with sheetrock to STC 50 standard.
- **2301-01 East wall**
  - Remove all old power and Comm Jbox/wire/conduit.
  - Patch all holes prior to adding new sheetrock.
  - Add 2 layer of 5/8" sheetrock from true floor to true ceiling.
  - Walls must be uniformly finished/painted from floor slab (true floor) to underside of floor or roof deck (true ceiling). Seal partition continuously with acoustical foam or sealant (both sides) and finished to match wall wherever it abuts another element such as the floor, ceiling, wall, column, or mullion.
  - Relocate power and communication access to false floor via floor outlets, surface mount all Jboxes.
  - Place all cables penetrating the wall into conduit and seal to wall/fill gap in conduit.
  - Update HVAC VAV system/apply insulation around entire HVAC.
- **2301 East wall**
  - Remove all old power and Comm Jbox/wire/conduit.
  - Patch all holes prior to adding new sheetrock.
  - Add 2 layer of 5/8" sheetrock from true floor to true ceiling only up to Power panel.
    - \* Power panel area only needs paint to match new sheetrock.
  - Walls must be uniformly finished/painted from floor slab (true floor) to underside of floor or roof deck (true ceiling). Seal partition continuously with acoustical foam or sealant (both sides) and finished to match wall wherever it abuts another element such as the floor, ceiling, wall, column, or mullion.
  - Relocate power and communication access to false floor via floor outlets, surface mount all Jboxes.
  - Place all cables penetrating the wall into conduit and seal to wall/fill gap in conduit.
  - Label all cables penetrating the wall.
- **2301 North wall**
  - Remove all old power and Comm Jbox/wire/conduit.
  - Patch all holes prior to adding new sheetrock.

- Add 2 layer of 5/8" sheetrock from true floor to drop ceiling. CRAC unit prohibits going any higher.
- Walls must be uniformly finished/painted from floor slab (true floor) to underside of floor or roof deck (true ceiling). Seal partition continuously with acoustical foam or sealant (both sides) and finished to match wall wherever it abuts another element such as the floor, ceiling, wall, column, or mullion.
- Relocate power and communication access to false floor via floor outlets, surface mount all Jboxes.
- Place all cables penetrating the wall into conduit and seal to wall/fill gap in conduit.
- Label all cables penetrating this wall.
- Remove emergency door and replace with STC 55 door assembly.
- 3 layers of sheetrock, Finish, paint and seal entire area.
- **2302 West wall**
  - Extend wall to true ceiling
  - Seal all penetrations above ceiling and below raised floor
  - Paint new wall
- **2302 East wall**
  - Paint entire wall above drop ceiling
  - Seal all penetrations above ceiling and below raised floor
  - All cabling shall be placed in conduit
- **2302 South wall**
  - Paint entire wall above drop ceiling
  - Seal all penetrations above ceiling and below raised floor
  - Install pillow for cable tray
  - All cabling shall be placed in conduit

## **New infrastructure requirements**

### **Power and Communication**

- **Enough power and Comm ports to support 8 workstations with the following.**
  - 8 ULAN + network printer
  - 8 TS P + network printer
  - 6 TS T + network printer, standalone scanner
  - 4 JWICS + network printer
  - 1 CLAN + network printer

### **Room by Room Power, Communication and Furniture**

#### **2301**

- Remove and replace equipment rack with 3 x 24"W x 32"D full height equipment racks
- Add one (1), four or five drawer, single locking safe, NW corner 19.5"W x 30"D
- Add full height storage cabinet 18"D x 30"W on N wall adjacent to safe
- Add shredder ~27"W x 24"D on N wall adjacent to storage cabinet
- Add ~3'x5' work table on N wall adjacent to shredder
- 120V tech power to support single computer monitor and phone on work table
- 120V tech power to support rack mounted workstations
- Add ~3'x6' table/rack to support TS T, JWICS, ULAN, CLAN printers
- TS T, JWICS, ULAN, CLAN printers
- Standard desk phone close to NE corner of room
- Under desk roller cabinet storage with drawers
- Workstation chair
- White board insert in work area above work table

#### **2301-1 North wall**

- Install new whiteboard (4'x6' or 3'x5') on north wall
- Add 24"x24" end table
- Retain pleather guest chairs

#### **2301-1 South wall**

- 28" deep x 112" long work surface along the entire south wall, allowing for alarm panel
- Overhead storage with flip-down, lockable cabinets for entire length of south wall, allowing for alarm panel
- Lab Annex 1
  - 120V tech power to support two computer monitors; KVM Extender; TS P thin client; TS T thick client; phone; VOIP; ULAN, JWICS workstation (if they cannot be rack-mounted), TS T scanner
  - 120V power to support general personal electronic items
  - ULAN, JWICS, TS T workstation, TS P thin client connectivity to KVM Extender
  - Dual computer monitors, keyboard, and mouse
  - Standard phone
  - VOIP
  - TS T scanner
  - Under desk roller cabinet storage with drawers
  - Workstation chair
  - White board insert in work area

- **Lab Annex 2**
  - 120V tech power to support two computer monitors, KVM Extender, TS P thin client, TS T thin client, ULAN workstation (if it cannot be rack-mounted)
  - 120V power to support general personal electronic items
  - ULAN, TS T thin client, TS P thin client connectivity to KVM Extender
  - Dual computer monitors, keyboard, and mouse
  - Under desk roller cabinet storage with drawers
  - Workstation chair
  - White board insert in work area

## **2301-2**

- Replace conference room table with a smaller one, ~4'x6'

## **2301-2 North Wall**

- VTC display, camera (existing) 56" x 32.5" wall mount, centered as is

## **2301-2 West Wall**

- Overhead storage with flip-down, lockable cabinets for entire length of west wall, blending into similar cabinets along south wall
- 28" deep work surface along the entire west wall, with curve at southwest corner to blend into similar work surface along south wall
- **Work Area 1**
  - 120V tech power to support two computer monitors, KVM Extender, TS P thin client, TS T thin client, phone, ULAN workstation (if it cannot be rack-mounted)
  - 120V power to support general personal electronic items
  - ULAN, TS T thin client, TS P thin client connectivity to KVM Extender
  - Dual computer monitors, keyboard, and mouse
  - Standard phone
  - Under desk roller cabinet storage with drawers
  - Workstation chair
  - White board insert in work area
- **Mission 1**
  - 120V tech power to support two computer monitors, TS P thin client
  - 120V power to support general personal electronic items
  - Dual computer monitors, keyboard, and mouse; TS P thin client
  - Under desk roller cabinet storage with drawers
  - Workstation chair
  - White board insert in work area
- **Mission 2**
  - 120V tech power to support two computer monitors, TS P thin client

- 120V power to support general personal electronic items
- Dual computer monitors, keyboard, and mouse; TS P thin client
- Under desk roller cabinet storage with drawers
- Workstation chair
- White board insert in work area

### **2301-2 South Wall**

- Overhead storage with flip-down, lockable cabinets for entire length of south wall, blending into similar cabinets along west wall
- 28" deep work surface along the entire west wall, with curve at southwest corner to blend into similar work surface along west wall
- Partition on work surface to ~8' tall between Work Area 3 and Work Area 4
- Work Area 3
  - 120V tech power to support two computer monitors; KVM Extender; TS P thin client; TS T thin client; phone; ULAN, JWICS workstations (if they cannot be rack-mounted)
  - 120V power to support general personal electronic items
  - ULAN, JWICS TS T thin client, TS P thin client connectivity to KVM Extender
  - Dual computer monitors, keyboard, and mouse
  - Standard phone
  - Under desk roller cabinet storage with drawers
  - Workstation chair
  - White board insert in work area
- Work Area 4
  - 120V tech power to support two computer monitors, KVM Extender, TS P thin client, TS T thin client, phone, ULAN workstation (if it cannot be rack-mounted)
  - 120V power to support general personal electronic items
  - ULAN, TS T thin client, TS P thin client connectivity to KVM Extender
  - Dual computer monitors, keyboard, and mouse
  - Standard phone
  - Under desk roller cabinet storage with drawers
  - Workstation chair
  - White board insert in work area

### **2301-2 East Wall (From NE corner to door opening)**

- Remove whiteboard
- Wall patched and painted as necessary
- Wall mounted multiple time zone digital clock
- 28" deep work surface along the entire northeast section of east wall
- Work Area 2

- 120V tech power to support two computer monitors; KVM Extender; phone; ULAN, CLAN, JWICS workstations (if they cannot be rack-mounted); VIPER, VOIP, Red, JWICS Phones; VTC Controller; TS P thin client; TS T thin client
- 120V power to support general personal electronic items
- ULAN, CLAN, TS T thin client, JWICS, TS P thin client, TS T thin client connectivity to KVM Extender
- VTC controller
- Dual computer monitors, keyboard, and mouse; TS P thin client; TS T thin client
- VIPER, VOIP, Red, JWICS Phones
- Standard phone
- Under desk roller cabinet storage with drawers
- Workstation chair

### **Requirements Identification**

In accordance with 10.3, the contractor shall develop and manage Requirements Traceability Matrix.

### **Preliminary Design**

In accordance with 10.4, the contractor shall develop a component level architecture and preliminary design (60% solution). The Contractor shall coordinate with the COTR/customer and baseline the preliminary design. The Contractor shall develop the Preliminary Design Review (PDR) material for presentation IAW the Systems Engineering Management Review (SEMR) process Design Review Board (DRB) and/or Engineering and Architecture Board (EAB) if so specified in the milestone(s). Specifications shall be in accordance Whole Building Design Guide (WBDG), Unified Facilities Guide Specifications (UFGS). Drawings shall be fashioned as follows:

1. Columns designated with Alpha Numeric Grid Lines for referencing purposes (current practice).
2. Drawings will be scalable to standard ANSI sheet sizes. Individual sheets will contain a scale (current practice).
3. The Title Block will be supplemented with or contain numbers that are unique to the project.
4. Cover sheet will be included and contain the following information:
  - a. Task Order Number
  - b. Task Number
  - c. Project Title
  - d. Submittal Type (Preliminary Design, Detailed Design)
  - e. Drawing Table of Contents

5. Border - Alpha Numeric Drawing coordinate system (current practice)
6. Existing drafting standards shall be followed to include but not limited to:
  - a. Levels
  - b. Reference schemes
  - c. Colors
  - d. Line weights
7. Drawing Areas- Typical Quadrant sheets will be used to communicate change and supplemented with standard sector drawings as required for scalability and readability purposes.
8. Designs will utilize current codes the UFGS, the UFC and JRDC design practices including the MUFGs. Details will be included and dimensioned or scaled as required.
9. Drawing package shall be arranged in the following order:
  - a. Civil - "C" drawings
  - b. Architectural - "A" drawings
  - c. Structural - "S" drawings
  - d. Mechanical - "M" drawings
  - e. Plumbing - "P" drawings
  - f. Electrical - "E" drawings
  - g. Each section will be in the following order (when required):
    - i. Demolition
    - ii. New
    - iii. Details/Sections
    - iv. Schedules

- Products:
- 1) Preliminary Design
    - a. Design Analysis with all items 60% complete. It shall include all backup material; all design calculations, all explanatory material giving the design rationale for any design decisions, which would not be obvious to an engineer reviewing the design package.
    - b. 60% complete drawings including those addressing construction phasing
    - c. Specifications: redlined marked up specifications will be provided to allow reviewers to evaluate choices made by designers
    - d. Information Technology (IT) Bill of Material (BoM)
    - e. Non-IT Material Take off (i.e., quantity, square footage, linear footage, etc...)
  - 2) PDR presentation to DRB

### **Detailed Design**

In accordance with 10.5, the contractor shall develop a detailed design that captures specific architectures (architectural, electrical, mechanical, security and IT) necessary to support project implementation. The Contractor shall coordinate with the customer and baseline the detailed design. The Contractor shall develop the Detail Design Review (DDR) material for presentation if so specified in the milestone(s) IAW the SEMR process (Design Review Board (DRB)) and/or

the CIO Engineering and Architecture Board (EAB) Charter as appropriate. Additionally, the Detailed Design Review (DDR) shall contain schedule and preliminary Bill of Material (BOM) requirements when applicable. Specifications shall be in accordance Whole Building Design Guide, Unified Facilities Guide Specifications (UFGS). Drawings shall be fashioned as follows:

1. Columns designated with Alpha Numeric Grid Lines for referencing purposes (current practice).
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  - a. Levels
  - b. Reference schemes
  - c. Colors
  - d. Line weights
7. Drawing Areas - Typical Quadrant sheets will be used to communicate change and supplemented with standard sector drawings as required for scalability and readability purposes.
8. Designs will utilize current codes the UFGS, the UFC and Jacobs design practices including the MUFGs. Details will be included and dimensioned or scaled as required.
  - a. Drawing package shall be arranged in the following order:  
Civil - "C" drawings
  - b. Architectural - "A" drawings
  - c. Structural - "S" drawings
  - d. Mechanical - "M" drawings
  - e. Plumbing - "P" drawings
  - f. Electrical - "E" drawings
  - g. Each section will be in the following order (when required):
    - i. Demolition
    - ii. New
    - iii. Details/Sections
    - iv. Schedules

Products: 1) Detailed Design

- a. Design Analysis with all items 100% complete. It shall include all backup material previously submitted and revised, as necessary, all design calculations, all explanatory material giving the design rationale for any design decisions which would not be obvious to an engineer reviewing the final drawings and specifications
- b. 100% complete drawings including those addressing project construction phasing.
- c. Specifications. Final edited specifications
- d. Information Technology (IT) Bill of Material (BoM)
- e. Non-IT Material Take off (i.e., quantity, square footage, linear footage, etc...)

2) DDR presentation to DRB & ERB

#### **Closeout/Transition.**

In accordance with 10.7, the contractor shall perform formal close out procedures, to include a formal walk-through of the project activity or area with the following stakeholders as applicable; MDIOC COTR, Government Customer, System Engineering (SE), Quality Assurance (QA), Safety, MDIOC Facilities Operations and Maintenance (FOM), Industrial Security and Physical Security.

Products: Project Closeout Documentation

**Tasking:** In accordance with Task 10.0 of the PWS and the milestone schedules below, the contractor shall perform the following tasks/phases:

<b>Task #</b>	<b>Element</b>	<b>Required, Not Applicable (N/A), Not Required To Be Determined (TBD)</b>	<b>Comment</b>
10.1	Task Order Administration	Required	
10.2	Project Planning	Required	
10.3	Requirements Identification	Required	
10.4	Preliminary Design	Required	
10.5	Detailed Design	Required	
10.6	Implementation	Not Required	
10.7	Closeout/Transition	Required	

**Constraints:** The constraints to be considered for this task are identified in the task order PWS. There are no additional constraints or considerations at this time.

**GFE/GFI:** None



## Milestones:

Activity	Date	Comment
Baseline Review	60 DAC	
Requirements Traceability Matrix (RTM)	Contractor Discretion	
Preliminary Design Presentation	Contractor Discretion	Design Review Board (DRB)
Detailed Design Presentation	Contractor Discretion	Design Review Board (DRB)
Implementation Plan (includes schedule)	N/A	
Formal Acceptance/Punch List Development	N/A	
Beneficial Occupancy Date	N/A	
Implementation Complete	N/A	
Closeout/Transition Package Complete	28 FEB 2018	
Progress Reviews	Weekly or as required / Quarterly at TOSR	

\*Recommended entries for the Date column:

- Use Day Month Year format (e.g., DD MMM YY) when a specific delivery date is required.
- Use a specific number of days after a previous milestone approval to indicate when delivery is required, e.g., 30 Days after RTM Approval or 45 Days after PDR Approval.
- N/A: denotes not applicable or not required at any time for this particular project/task.
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- Contractors Discretion: denotes that the Government is allowing the Contractor to specify the delivery date in their proposal in order to best manage internal resources and de-conflict multiple priorities for the purpose of maximizing efficiencies. The date will be agreed to during negotiations and updated at ATP.

## Technical Service Summary Items (SSI)

Technical Performance Service Summary Items (SSI) weights specific to this project are outlined below:

Number	Service Summary Items (SSI)	Weight
SSI 5	(b)(4)	
SSI 6		
SSI 7		
SSI 8		

## **Task/Project Description**

**Task/Project:** 12.14 Room 2201 Data Center Expansion & GNOSC Reconfiguration – Design Only

**Task Order:** HQ079618F8600 Infrastructure Support Projects

**Customers:** MDA/IC

**Period of Performance (POP):** 20 October 2018 – ~~31 March 2019~~ 14 Apr 2019

### **Background:**

In order to increase area security, increased rack space requirements, and personnel space requirements for Cybersecurity services a data floor expansion and office space configuration was proposed.

### **Requirements**

Provide a design to:

- 1) Remove the existing interior walls connecting 2201 and 2202.
- 2) Repurpose room 2202 and incorporate space into room 2201 for implementation of additional rack space.
- 3) Remodel and buildout work stations in room 2409 to accommodate additional personnel from room 2202 and Cybersecurity operations.
- 4) Implement an additional 24/7 operations security desk in room 2409.
- 5) Patch and paint room 2201 to include adding corner protective strips on columns above cart height

## **Requirements Identification**

In accordance with 10.3, the contractor shall develop and manage Requirements Traceability Matrix.

## **Preliminary Design**

In accordance with 10.4, the contractor shall develop a component level architecture and preliminary design (60% solution). The Contractor shall coordinate with the COTR/customer and baseline the preliminary design. The Contractor shall develop the Preliminary Design Review (PDR) material for presentation IAW the Systems Engineering Management Review (SEMR) process Design Review Board (DRB) and/or Engineering and Architecture Board (EAB) if so specified in the milestone(s). Specifications shall be in accordance Whole Building Design Guide (WBDG), Unified Facilities Guide Specifications (UFGS). Drawings shall be fashioned as follows:

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  - b. Task Number
  - c. Project Title
  - d. Submittal Type (Preliminary Design, Detailed Design)
  - e. Drawing Table of Contents
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  - a. Levels
  - b. Reference schemes
  - c. Colors
  - d. Line weights
7. Drawing Areas- Typical Quadrant sheets will be used to communicate change and supplemented with standard sector drawings as required for scalability and readability purposes.
8. Designs will utilize current codes the UFGS, the UFC and JRDC design practices including the MUFGs. Details will be included and dimensioned or scaled as required.
9. Drawing package shall be arranged in the following order:
  - a. Civil - "C" drawings
  - b. Architectural - "A" drawings
  - c. Structural - "S" drawings
  - d. Mechanical - "M" drawings

- e. Plumbing - "P" drawings
- f. Electrical - "E" drawings
- g. Each section will be in the following order (when required):
  - i. Demolition
  - ii. New
  - iii. Details/Sections
  - iv. Schedules

- Products:
- 1) Preliminary Design
    - a. Design Analysis with all items 60% complete. It shall include all backup material; all design calculations, all explanatory material giving the design rationale for any design decisions, which would not be obvious to an engineer reviewing the design package.
    - b. 60% complete drawings including those addressing construction phasing
    - c. Specifications: redlined marked up specifications will be provided to allow reviewers to evaluate choices made by designers
    - d. Information Technology (IT) Bill of Material (BoM)
    - e. Non-IT Material Take off (i.e., quantity, square footage, linear footage, etc...)
  - 2) PDR presentation to DRB

### **Detailed Design**

In accordance with 10.5, the contractor shall develop a detailed design that captures specific architectures (architectural, electrical, mechanical, security and IT) necessary to support project implementation. The Contractor shall coordinate with the customer and baseline the detailed design. The Contractor shall develop the Detail Design Review (DDR) material for presentation if so specified in the milestone(s) IAW the SEMR process (Design Review Board (DRB)) and/or the CIO Engineering and Architecture Board (EAB) Charter as appropriate. Additionally, the Detailed Design Review (DDR) shall contain schedule and preliminary Bill of Material (BOM) requirements when applicable. Specifications shall be in accordance Whole Building Design Guide, Unified Facilities Guide Specifications (UFGS). Drawings shall be fashioned as follows:

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- d. Submittal Type (Preliminary Design, Detailed Design)
- e. Drawing Table of Contents
- 5. Border - Alpha Numeric Drawing coordinate system (current practice)
- 6. Existing drafting standards shall be followed to include but not limited to:
  - a. Levels
  - b. Reference schemes
  - c. Colors
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- 7. Drawing Areas - Typical Quadrant sheets will be used to communicate change and supplemented with standard sector drawings as required for scalability and readability purposes.
- 8. Designs will utilize current codes the UFGS, the UFC and Jacobs design practices including the MUFGs. Details will be included and dimensioned or scaled as required.
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    - Civil - "C" drawings
  - b. Architectural - "A" drawings
  - c. Structural - "S" drawings
  - d. Mechanical - "M" drawings
  - e. Plumbing - "P" drawings
  - f. Electrical - "E" drawings
  - g. Each section will be in the following order (when required):
    - i. Demolition
    - ii. New
    - iii. Details/Sections
    - iv. Schedules

- Products:
- 1) Detailed Design
    - a. Design Analysis with all items 100% complete. It shall include all backup material previously submitted and revised, as necessary, all design calculations, all explanatory material giving the design rationale for any design decisions which would not be obvious to an engineer reviewing the final drawings and specifications
    - b. 100% complete drawings including those addressing project construction phasing.
    - c. Specifications. Final edited specifications
    - d. Information Technology (IT) Bill of Material (BoM)
    - e. Non-IT Material Take off (i.e., quantity, square footage, linear footage, etc...)
  - 2) DDR presentation to DRB & ERB

**Closeout/Transition.**

In accordance with 10.7, the contractor shall perform formal close out procedures, to include a formal walk-through of the project activity or area with the following stakeholders as applicable; MDIOC COTR, Government Customer, System Engineering (SE), Quality Assurance (QA), Safety, MDIOC Facilities Operations and Maintenance (FOM), Industrial Security and Physical Security.

Products: Project Closeout Documentation

**Tasking:** In accordance with Task 10.0 of the PWS and the milestone schedules below, the contractor shall perform the following tasks/phases:

Task #	Element	Required, Not Applicable (N/A), Not Required To Be Determined (TBD)	Comment
10.1	Task Order Administration	Required	
10.2	Project Planning	Required	
10.3	Requirements Identification	Required	
10.4	Preliminary Design	Required	
10.5	Detailed Design	Required	
10.6	Implementation	Not Required	
10.7	Closeout/Transition	Required	

**Constraints:** The constraints to be considered for this task are identified in the task order PWS. There are no additional constraints or considerations at this time.

**GFE/GFI:** None

## Milestones:

Activity	*Date	Comment
Baseline Review	60 DAC	
Requirements Traceability Matrix (RTM)	Contractor Discretion	
Preliminary Design Presentation	Contractor Discretion	Design Review Board (DRB)
Detailed Design Presentation	Contractor Discretion	Design Review Board (DRB)
Implementation Plan (includes schedule)	N/A	
Formal Acceptance/Punch List Development	N/A	
Beneficial Occupancy Date	N/A	
Implementation Complete	N/A	
Closeout/Transition Package Complete	<del>28 FEB 2018</del> 14 Apr 2019	
Progress Reviews	Weekly or as required / Quarterly at TOSR	

\*Recommended entries for the Date column:

- Use Day Month Year format (e.g., DD MMM YY) when a specific delivery date is required.
- Use a specific number of days after a previous milestone approval to indicate when delivery is required, e.g., 30 Days after RTM Approval or 45 Days after PDR Approval.
- N/A: denotes not applicable or not required at any time for this particular project/task.
- TBD: denotes that the milestone activity is anticipated in the future for this project/task but is not required at this time. A modification to the task/project will be issued at a later date.
- Contractors Discretion: denotes that the Government is allowing the Contractor to specify the delivery date in their proposal in order to best manage internal resources and de-conflict multiple priorities for the purpose of maximizing efficiencies. The date will be agreed to during negotiations and updated at ATP.

## Technical Service Summary Items (SSI)

Technical Performance Service Summary Items (SSI) weights specific to this project are outlined below:

Number	Service Summary Items (SSI)	Weight
SSI 5	(b)(4)	
SSI 6		
SSI 7		
SSI 8		



## **Task/Project Description**

**Task/Project:** 12.15 CERT Buildout – Design Only

**Task Order:** HQ079618F8600 Infrastructure Support Projects

**Customers:** MDA/IC

**Period of Performance (POP):** 20 October 2018 – 31 March 2019

### **Background:**

Room B79 functions as a Cybersecurity Service provider with services to the MDA administrative and general service systems and networks. The provided space has become inadequate for current operations and personnel. With anticipation of further development, the provider is requesting space for an additional 30 personnel.

### **Requirements**

Provide a design to:

- 1) Relocate the current occupants of room B34-01. Consider efficiency upgrade to rooms B26-01 and B33-03 to accept occupants.
- 2) Remodel and buildout the cubical space of room B34-01 in order to accept occupants of room B79.
- 3) Verify room B79 space is adequate to receive the additional employee requirements. Room B79 will be utilized as is due to recent remodels.
- 4) Accommodate the addition of a restroom in order to serve the additional employees in the area. Consider room B26 as a possible location and verify connection utilities are adequate.

### **Requirements Identification**

In accordance with 10.3, the contractor shall develop and manage Requirements Traceability Matrix.

### **Preliminary Design**

In accordance with 10.4, the contractor shall develop a component level architecture and preliminary design (60% solution). The Contractor shall coordinate with the COTR/customer and baseline the preliminary design. The Contractor shall develop the Preliminary Design Review (PDR) material for presentation IAW the Systems Engineering Management Review

(SEMR) process Design Review Board (DRB) and/or Engineering and Architecture Board (EAB) if so specified in the milestone(s). Specifications shall be in accordance Whole Building Design Guide (WBDG), Unified Facilities Guide Specifications (UFGS). Drawings shall be fashioned as follows:

1. Columns designated with Alpha Numeric Grid Lines for referencing purposes (current practice).
2. Drawings will be scalable to standard ANSI sheet sizes. Individual sheets will contain a scale (current practice).
3. The Title Block will be supplemented with or contain numbers that are unique to the project.
4. Cover sheet will be included and contain the following information:
  - a. Task Order Number
  - b. Task Number
  - c. Project Title
  - d. Submittal Type (Preliminary Design, Detailed Design)
  - e. Drawing Table of Contents
5. Border - Alpha Numeric Drawing coordinate system (current practice)
6. Existing drafting standards shall be followed to include but not limited to:
  - a. Levels
  - b. Reference schemes
  - c. Colors
  - d. Line weights
7. Drawing Areas- Typical Quadrant sheets will be used to communicate change and supplemented with standard sector drawings as required for scalability and readability purposes.
8. Designs will utilize current codes the UFGS, the UFC and JRDC design practices including the MUFGs. Details will be included and dimensioned or scaled as required.
9. Drawing package shall be arranged in the following order:
  - a. Civil - "C" drawings
  - b. Architectural - "A" drawings
  - c. Structural - "S" drawings
  - d. Mechanical - "M" drawings
  - e. Plumbing - "P" drawings
  - f. Electrical - "E" drawings
  - g. Each section will be in the following order (when required):
    - i. Demolition
    - ii. New
    - iii. Details/Sections
    - iv. Schedules

Products:      1) Preliminary Design

- a. Design Analysis with all items 60% complete. It shall include all backup material; all design calculations, all explanatory material giving the

design rationale for any design decisions, which would not be obvious to an engineer reviewing the design package.

- b. 60% complete drawings including those addressing construction phasing
- c. Specifications: redlined marked up specifications will be provided to allow reviewers to evaluate choices made by designers
- d. Information Technology (IT) Bill of Material (BoM)
- e. Non-IT Material Take off (i.e., quantity, square footage, linear footage, etc...)

2) PDR presentation to DRB

### **Detailed Design**

In accordance with 10.5, the contractor shall develop a detailed design that captures specific architectures (architectural, electrical, mechanical, security and IT) necessary to support project implementation. The Contractor shall coordinate with the customer and baseline the detailed design. The Contractor shall develop the Detail Design Review (DDR) material for presentation if so specified in the milestone(s) IAW the SEMR process (Design Review Board (DRB)) and/or the CIO Engineering and Architecture Board (EAB) Charter as appropriate. Additionally, the Detailed Design Review (DDR) shall contain schedule and preliminary Bill of Material (BOM) requirements when applicable. Specifications shall be in accordance Whole Building Design Guide, Unified Facilities Guide Specifications (UFGS). Drawings shall be fashioned as follows:

1. Columns designated with Alpha Numeric Grid Lines for referencing purposes (current practice).
2. Drawings will be scalable to standard ANSI sheet sizes. Individual sheets will contain a scale (current practice).
3. The Title Block will be supplemented with or contain numbers that are unique to the project.
4. Cover sheet will be included and contain the following information:
  - a. Task Order Number
  - b. Task Number
  - c. Project Title
  - d. Submittal Type (Preliminary Design, Detailed Design)
  - e. Drawing Table of Contents
5. Border - Alpha Numeric Drawing coordinate system (current practice)
6. Existing drafting standards shall be followed to include but not limited to:
  - a. Levels
  - b. Reference schemes
  - c. Colors
  - d. Line weights
7. Drawing Areas - Typical Quadrant sheets will be used to communicate change and supplemented with standard sector drawings as required for scalability and readability purposes.

8. Designs will utilize current codes the UFGS, the UFC and Jacobs design practices including the MUFGs. Details will be included and dimensioned or scaled as required.
- a. Drawing package shall be arranged in the following order:
    - Civil - "C" drawings
  - b. Architectural - "A" drawings
  - c. Structural - "S" drawings
  - d. Mechanical - "M" drawings
  - e. Plumbing - "P" drawings
  - f. Electrical - "E" drawings
  - g. Each section will be in the following order (when required):
    - i. Demolition
    - ii. New
    - iii. Details/Sections
    - iv. Schedules

- Products: 1) Detailed Design
- a. Design Analysis with all items 100% complete. It shall include all backup material previously submitted and revised, as necessary, all design calculations, all explanatory material giving the design rationale for any design decisions which would not be obvious to an engineer reviewing the final drawings and specifications
  - b. 100% complete drawings including those addressing project construction phasing.
  - c. Specifications. Final edited specifications
  - d. Information Technology (IT) Bill of Material (BoM)
  - e. Non-IT Material Take off (i.e., quantity, square footage, linear footage, etc...)
- 2) DDR presentation to DRB & ERB

### **Closeout/Transition.**

In accordance with 10.7, the contractor shall perform formal close out procedures, to include a formal walk-through of the project activity or area with the following stakeholders as applicable; MDIOC COTR, Government Customer, System Engineering (SE), Quality Assurance (QA), Safety, MDIOC Facilities Operations and Maintenance (FOM), Industrial Security and Physical Security.

Products: Project Closeout Documentation

**Tasking:** In accordance with Task 10.0 of the PWS and the milestone schedules below, the contractor shall perform the following tasks/phases:

Task #	Element	Required, Not Applicable (N/A), Not Required To Be Determined (TBD)	Comment
10.1	Task Order Administration	Required	
10.2	Project Planning	Required	
10.3	Requirements Identification	Required	
10.4	Preliminary Design	Required	
10.5	Detailed Design	Required	
10.6	Implementation	Not Required	
10.7	Closeout/Transition	Required	

**Constraints:** The constraints to be considered for this task are identified in the task order PWS. There are no additional constraints or considerations at this time.

**GFE/GFI:** None

## Milestones:

Activity	*Date	Comment
Baseline Review	60 DAC	
Requirements Traceability Matrix (RTM)	Contractor Discretion	
Preliminary Design Presentation	Contractor Discretion	Design Review Board (DRB)
Detailed Design Presentation	Contractor Discretion	Design Review Board (DRB)
Implementation Plan (includes schedule)	N/A	
Formal Acceptance/Punch List Development	N/A	
Beneficial Occupancy Date	N/A	
Implementation Complete	N/A	
Closeout/Transition Package Complete	28 FEB 2018	
Progress Reviews	Weekly or as required / Quarterly at TOSR	

\*Recommended entries for the Date column:

- Use Day Month Year format (e.g., DD MMM YY) when a specific delivery date is required.
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- Contractors Discretion: denotes that the Government is allowing the Contractor to specify the delivery date in their proposal in order to best manage internal resources and de-conflict multiple priorities for the purpose of maximizing efficiencies. The date will be agreed to during negotiations and updated at ATP.

## Technical Service Summary Items (SSI)

Technical Performance Service Summary Items (SSI) weights specific to this project are outlined below:

Number	Service Summary Items (SSI)	Weight
SSI 5	(b)(4)	
SSI 6		
SSI 7		
SSI 8		

<b>ORDER FOR SUPPLIES OR SERVICES</b>										PAGE 1 OF 135			
1. CONTRACT/PURCH. ORDER/AGREEMENT NO. HQ079617D0001			2. DELIVERY ORDER/ CALL NO. HQ079618F8700P00027		3. DATE OF ORDER/ CALL (YYYYMMDD) 2017 Dec 08		4. REQ. / PURCH. REQUEST NO. See Schedule		5. PRIORITY DX-C9				
6. ISSUED BY MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300			CODE HQ0796		7. ADMINISTERED BY (if other than 6) DCMA HUNTSVILLE 1040 RESEARCH BLVD SUITE 100 MADISON AL 35758-2040			CODE SD107A		8. DELIVERY FOB <input checked="" type="checkbox"/> DESTINATION <input type="checkbox"/> OTHER (See Schedule if other)			
9. CONTRACTOR JACOBS TECHNOLOGY INC. 550 WILLIAM NORTHERN BLVD. TULSA OK 74106-4727			CODE 7EBK3		FACILITY			10. DELIVER TO FOB POINT BY (Date) (YYYYMMDD) <b>SEE SCHEDULE</b>		11. MARK IF BUSINESS IS <input type="checkbox"/> SMALL <input type="checkbox"/> SMALL DISADVANTAGED <input type="checkbox"/> WOMEN-OWNED			
NAME AND ADDRESS								12. DISCOUNT TERMS		13. MAIL INVOICES TO THE ADDRESS IN BLOCK See Item 15			
14. SHIP TO  <b>SEE SCHEDULE</b>			CODE		15. PAYMENT WILL BE MADE BY DFAS COLUMBUS CENTER SOUTH ENTITLEMENT OPERATIONS P.O. BOX 182264 COLUMBUS OH 43218-2264			CODE HQ0338		MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2.			
16. TYPE OF ORDER		DELIVERY/ CALL		<input checked="" type="checkbox"/>		This delivery order/call is issued on another Government agency or in accordance with and subject to terms and conditions of above numbered contract.							
		PURCHASE		<input type="checkbox"/>		Reference Your Quote dated Furnish the following on terms specified herein. REF:							
ACCEPTANCE. THE CONTRACTOR HEREBY ACCEPTS THE OFFER REPRESENTED BY THE NUMBERED PURCHASE ORDER AS IT MAY PREVIOUSLY HAVE BEEN OR IS NOW MODIFIED, SUBJECT TO ALL OF THE TERMS AND CONDITIONS SET FORTH, AND AGREES TO PERFORM THE SAME.													
NAME OF CONTRACTOR				SIGNATURE				TYPED NAME AND TITLE				DATE SIGNED (YYYYMMDD)	
<input checked="" type="checkbox"/> If this box is marked, supplier must sign Acceptance and return the following number of copies: 1													
17. ACCOUNTING AND APPROPRIATION DATA/ LOCAL USE  <b>See Schedule</b>													
18. ITEM NO.		19. SCHEDULE OF SUPPLIES/ SERVICES				20. QUANTITY ORDERED/ ACCEPTED*		21. UNIT		22. UNIT PRICE		23. AMOUNT	
		<b>SEE SCHEDULE</b>											
* If quantity accepted by the Government is same as quantity ordered, indicate by X. If different, enter actual quantity accepted below quantity ordered and encircle.						24. UNITED STATES OF AMERICA TELEPHONE (b)(6) E-MAIL (b)(6) BY (b)(6)		25. TOTAL \$69,578,660.00 EST		26. DIFFERENCES			
27a. QUANTITY IN COLUMN 20 HAS BEEN <input type="checkbox"/> INSPECTED <input type="checkbox"/> RECEIVED <input type="checkbox"/> ACCEPTED, AND CONFORMS TO THE CONTRACT EXCEPT AS NOTED													
b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE						c. DATE (YYYYMMDD)		d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE					
e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE						28. SHIP NO.		29. DO VOUCHER NO.		30. INITIALS			
f. TELEPHONE NUMBER		g. E-MAIL ADDRESS				<input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL		32. PAID BY		33. AMOUNT VERIFIED CORRECT FOR			
36. I certify this account is correct and proper for payment.													
a. DATE (YYYYMMDD)		b. SIGNATURE AND TITLE OF CERTIFYING OFFICER											
						31. PAYMENT <input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL				34. CHECK NUMBER			
										35. BILL OF LADING NO.			
37. RECEIVED AT		38. RECEIVED BY		39. DATE RECEIVED (YYYYMMDD)		40. TOTAL CONTAINERS		41. SR ACCOUNT NO.		42. SR VOUCHER NO.			

Section B - Supplies or Services and Prices

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1000	CLIN 1000, R&D IC Services/Capabilities CPIF The Contractor shall provide services/capabilities identified in the performance work statement (PWS) attached to this task order. The CLIN value is based on workload estimates and projects are grouped into CLINs 1000, 1040, 1060 and 1070. All costs, other than those specifically included in 1040, 1060 or 1070, shall be included in this CLIN. Engineering estimates will be developed for each project and tracked in the funding log. Provisional fee will be paid IAW IRES PEIP and billing instructions.  All share ratios are identified as follows: Government/Contractor. The share ratios are subject to revision in accordance with the IRES Performance Evaluation and Incentive Plan (Contract Attachment J-06). All task order CLINs are combined and considered a single entity for the purpose of administering the cost and performance incentives identified in the IRES PEIP. FOB: Destination PURCHASE REQUEST NUMBER: HQ01 47862046	(b)(4)			(b)(4)
				TARGET COST	(b)(4)
				TARGET FEE	
				TOTAL TGT COST + FEE	
				MINIMUM FEE	
				MAXIMUM FEE	
				SHARE RATIO ABOVE TARGET	
				SHARE RATIO BELOW TARGET	

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100001	CLIN 1000, FY18 IC Services  ACRN AK  PURCHASE REQUEST NUMBER: HQ0147862872	(b)(4)

ITEM NO	SUPPLIES/ SERVICES	AMOUNT
100002	CLIN 1000, DT Rescope	
	ACRN AN	(b)(4)
	PURCHASE REQUEST NUMBER: HQ01 47863008	

ITEM NO	SUPPLIES/ SERVICES	AMOUNT
100003	CLIN 1000, 10.3.8 TMC-ICN	
	ACRN AP	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863302	

ITEM NO	SUPPLIES/ SERVICES	AMOUNT
100004	CLIN 1000, 10.2.4 DVS CDS	
	ACRN AT	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863550	

ITEM NO	SUPPLIES/ SERVICES	AMOUNT
100005	CLIN 1000, Server Support	
	ACRN AW	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863702	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100006	CLIN 1000, Surface Pro 4  ACRN BF  PURCHASE REQUEST NUMBER: HQ0147863803	  (b)(4)  
100007	CLIN 1000, MSSCF LAN  ACRN BM  PURCHASE REQUEST NUMBER: HQ0147864003	  (b)(4)  
100008	CLIN 1000, Remote Site Enhancement  ACRN AP  PURCHASE REQUEST NUMBER: HQ0147864023	  (b)(4)  
100009	CLIN 1000, FTA-01 UNet CNet  ACRN BN  PURCHASE REQUEST NUMBER: HQ0147864058	  (b)(4)  

ITEM NO	SUPPLIES/ SERVICES	AMOUNT
100010	CLIN 1000, CWTC Set Up	
	ACRN BQ	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864067	

ITEM NO	SUPPLIES/ SERVICES	AMOUNT
100011	CLIN 1000, Network and CVTC	
	ACRN BS	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864092	

ITEM NO	SUPPLIES/ SERVICES	AMOUNT
100012	CLIN 1000, Bldg 247	
	ACRN BV	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864120	

ITEM NO	SUPPLIES/ SERVICES	AMOUNT
100013	CLIN 1000, M&S IT Solutions	
	ACRN BX	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864124	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100014	CLIN 1000, M&S IT Solutions	
	ACRNBZ	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864124	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100015	CLIN 1000, CMDZ	
	ACRN CA	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864192	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100016	CLIN 1000, 10.5.1	
	ACRN CE	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863905	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100017	CLIN 1000, Formidable Shield	
	ACRN CF	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863883	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100018	CLIN 1000, Formidable Shield	
	ACRNCF	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863890	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100019	CLIN 1000, 10.5.1	
	ACRN CF	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863901	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100020	CLIN 1000, 10.5.1	
	ACRN CG	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863906	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100021	CLIN 1000, 10.5.1	
	ACRN CH	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863850	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100022	CLIN 1000, 10.5.1	
	ACRNCJ	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863851	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100023	CLIN 10.5.1	
	ACRN CK	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863877	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100024	CLIN 1000, 10.5.1	
	ACRN CL	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863930	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100025	CLIN 1000, Primavera	
	ACRNCM	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864297	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100026	CLIN 1000, RIMPAC Pac Dragon	
	ACRNCP	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864303	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100027	CLIN 1000, JWICS Refresh	
	ACRN CR	(b)(4)
	PURCHASE REQUEST NUMBER: DO9RJB70361	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100028	CLIN 1000, JIPCAN Tel Aviv	
	ACRNCA	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864139	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100029	CLIN 1000, WebCOP	
	ACRN CS	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863571	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100030	CLIN 1000, AVIGILON CCTV	
	ACRN CV	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864293	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100031	CLIN 1000, JFT M05 Event Support	
	ACRN CW	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864347	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100032	CLIN 1000, Viasat in Carlsbad	
	ACRN CX	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864495	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100033	CLIN 1000, GSOC Cabling Fit	
	ACRN CZ	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864534	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100034	CLIN 1000, TAC Site 19 Network Support	
	ACRN DB	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864601	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100035	CLIN 1000, IRES Support for TATER and LI	
	ACRN DD	(b)(4)
	PURCHASE REQUEST NUMBER: DO9JLT80172	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100036	CLIN 1000, Special Programs	
	ACRN DH	(b)(4)
	PURCHASE REQUEST NUMBER: DO9MSC80159	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100037	CLIN 1000, SNEA-A Lab	
	ACRN DJ	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864059	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100038	CLIN 1000, JHU MWS	
	ACRN DL	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864742	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100039	CLIN 1000, RISA	
	ACRN BK	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864773	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100040	CLIN 1000, Kirkland AFB TAA	
	ACRN BS	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865039	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100041	CLIN 1000, AB Remote Site	
	ACRN DP	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864748	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100042	C:OM 1000, HNI LM CLAN ACR NDR PURCHASE REQUEST NUMBER: HQ01 47864926	(b)(4)
100043	CLIN 1000, Comp Sol. Tucson ACRN DP PURCHASE REQUEST NUMBER: HQ0147865122	(b)(4)
100044	CLIN 1000, SAP Expansion ACRN DV PURCHASE REQUEST NUMBER: NMM1 860067701	(b)(4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100045	CLIN 1000, Hardy Barracks	
	ACRN DW	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865196	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100046	CLIN 1000, Shaw AFB Labor	
	ACRN AL	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147862925-0001	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100047	CLIN 1000, DREN 10.5.02	
	ACRN DY	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865277	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100048	CLIN 1000, TC-S3I	
	ACRNDZ	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865278	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100049	CLIN 1000, DREN Mgmt	
	ACRN DY	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865280	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100050	CLIN 1000, SLA	
	ACRN BS	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865291	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100051	CLIN 1000, SLA	
	ACR NEE	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865394	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100052	CLIN 1000, Com Equip	
	ACRN EF	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865469	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100053	CLIN 1000, VBIV FLO	
	ACR NEL	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865504	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100054	CLIN 1000, MITRE Bedford	
	ACR NEP	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865453	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100055	CLIN 1000, KBR Wyle and LMMFC	
	ACR NER	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865624	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100056	CLIN 1000, Peraton	
	ACR NET	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865685	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100057	CLIN 1000 GSOC Cabling Fit	
	ACRNEV	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864534-0001	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100058	CLIN 1000, Pride	
	ACRNEW	(b)(4)
	PURCHASE REQUEST NUMBER: HQ01 47865718	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100059	CLIN 1000, DO-NonIC	
	ACRNEY	(b)(4)
	PURCHASE REQUEST NUMBER: HQ01 47864211	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100060	CLIN 1000, Guam Support	
	ACRN FA	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865441	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100061	CLIN 1000, MWS Support	
	ACRN DL	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865758	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100062	CLIN 1000, MWS Extension	
	ACRN DL	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865760	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100063	CLIN 1000, JWICS Network Infrastructure	
	ACRN FC	(b)(4)
	PURCHASE REQUEST NUMBER: DO9RJB80208	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100064	CLIN 1000, AAMDTC Rm M27	
	ACRNFD	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865878	

ITEM NO	SUPPLIES/ SERVICES	AMOUNT
100065	CLIN 1000, BMD I-SIM LAN Compliance	
	ACRN AP	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865837	

ITEM NO	SUPPLIES/ SERVICES	AMOUNT
100066	CLIN 1000, eLMS Migration	
	ACRNFJ	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865544	

ITEM NO	SUPPLIES/ SERVICES	AMOUNT
100067	CLIN 1000, CNDSP PMRF	
	ACRN FD	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147866020	

ITEM NO	SUPPLIES/ SERVICES	AMOUNT
100068	CLIN 1000, FTO-03 PTOC	
	ACRNFK	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865907	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100069	CLIN 1000, Motion Media	
	ACRN FM	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147866018	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100070	CLIN 1000, TMCE Migration	
	ACRN FQ	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147866174	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100071	CLIN 1000, FTM-45 On-site Support PMRF	
	ACRN FS	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147866186	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100072	CLIN 1000, SAP Maint Renewals(Prop/Prep)	
	ACRN FT	(b)(4)
	PURCHASE REQUEST NUMBER: DO9ELD80227	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100073	CLIN 1000, SDREN to VB3	
	ACRN DZ	(b)(4)
	PURCHASE REQUEST NUMBER: HQ01 47866327	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100074	CLIN 1000, GM Personnel Moves	
	ACRN CM	(b)(4)
	PURCHASE REQUEST NUMBER: HQ01 47866434	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100075	CLIN 1000, HW Servers	
	ACRN FU	(b)(4)
	PURCHASE REQUEST NUMBER: DO9ELD80229	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100076	CLIN 1000, SDREN VB3	
	ACRN FV	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147866352	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100077	CLIN 1000, CLAN Andover	
	ACRNER	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147866533	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100078	CLIN 1000, CNet Palmdale	
	ACRN FY	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147966848	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100079	CLIN 1000, DLG SCIF Reorg	
	ACRNGA	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147967864	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100080	CLIN 1000, FTI-03 PMRF Event Support	
	ACRN GB	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147967581	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100081	CLIN 1000, MDDC to the ARC	
	ACRN GC	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147966997	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100082	CLIN 1000, Dahlgren SCIF	
	ACRN GJ	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147968038	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100083	CLIN 1000, Ft Bliss EOL	
	ACRN DB	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147968125	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100084	CLIN 1000, FTG-11 Kwajalein Event Suppor	
	ACRN GL	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147967556	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100085	CLIN 1000, MDA/IC Support for FS-19	
	ACRN GM	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147968138	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100086	CLIN 1000, Missile Field 4 IPO/ Comms	
	ACRN GP	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147968575	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100087	CLIN 1000, Deploy CNet capabilitie	
	ACRNGS	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147968819	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100088	CLIN 1000, CDTSS Enclave within 5201	
	ACRNGT	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147968907	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100089	CLIN 1000, MDA CLAN to DARPA DSW AN	
	ACRNGU	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147968298	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100090	CLIN 1000, Facility Infrastructure	
	ACRNGV	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147968681	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100091	CLIN 1000, \$15,863	
	ACRN GY	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147968914	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100092	CLIN 1000, \$2,423	
	ACRN GZ	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147968977	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100093	CLIN 1000, \$8,468	
	ACRNHB	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147968881	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100094	CLIN 1000, \$1,163	
	ACRNHD	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147969063	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100095	CLIN 1000, \$10,100	
	ACRNHF	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147968981	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100096	CLIN 1000, \$6,870	
	ACRNHH	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147969107	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100097	CLIN 1000, \$6,588	
	ACRNHK	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147969180	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100098	CLIN 1000, 105B	
	ACRNHN	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147968571	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100099	CLIN 1000, FTA-01 on Site IT Support	
	ACRNHQ	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147969789	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1001		(b)(4)			(b)(4)

CLIN 1001, R&D Non-IC Services/Cap  
CPIF

The Contractor shall provide services/capabilities identified in the performance work statement (PWS) attached to this task order. The CLIN value is based on workload estimates and projects are grouped into CLINs 1001, 1041, 1061 and 1071. All costs, other than those specifically included in 1041, 1061 or 1071, shall be included in this CLIN. Engineering estimates will be developed for each project and tracked in the funding log. Provisional fee will be paid IAW IRES PEIP and billing instructions.

All share ratios are identified as follows: Government/Contractor. The share ratios are subject to revision in accordance with the IRES Performance Evaluation and Incentive Plan (Contract Attachment J-06). All task order CLINs are combined and considered a single entity for the purpose of administering the cost and performance incentives identified in the IRES PEIP.

FOB: Destination

PURCHASE REQUEST NUMBER: HQ01 47862046

TARGET COST  
TARGET FEE

TOTAL TGT COST + FEE  
MINIMUM FEE  
MAXIMUM FEE

SHARE RATIO ABOVE TARGET  
SHARE RATIO BELOW TARGET

(b)(4)

FSCCD: AC23

ITEM NO	SUPPLIES/SERVICES	AMOUNT
1001 01		

CLIN 1001, NON-IC SERVICES/CAPABILITIES

ACRN AA

PURCHASE REQUEST NUMBER: HQ01 47862046

(b)(4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100102	CLIN 1001, FY18 BCDV - Labor	
	ACRN AD	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147862212	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100103	CLIN 1001 FY18 JIPCAN Labor	
	ACRN AF	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147862519	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100104	CLIN 1001 FY18 DOORS Labor	
	ACRN AH	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147862641	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100105	CLIN 1001 FY18 Shaw AFB Labor	
	ACRN AL	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147862925	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100106	CLIN 1001, 10.3.8 TMC-ICN	
	ACRN AP	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863302	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100107	CLIN 1001, 10.2.3 C2BMC DUC	
	ACRN AR	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863352	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100108	CLIN 1001, 10.2.4 DVS CDS Imp	
	ACRN AT	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863550	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100109	CLIN 1001, 10.3.11 Sulf Mine	
	ACRN AU	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863377	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100110	CLIN 1001, Server Support	
	ACRN AW	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863702	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100111	CLIN 1001, VoIP Switch Move	
	ACRN BK	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863728	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100112	CLIN 1001, MSSCP LAN	
	ACRN BM	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864003	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100113	CLIN 1001, CWTC Set Up	
	ACRN BQ	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864067	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100114	CLIN 1001, Network and CVTC	
	ACRN BS	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864092	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100115	CLIN 1001, VB III SP Areas	
	ACRN BU	(b)(4)
	PURCHASE REQUEST NUMBER: DO9RJB80140	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100116	CLIN 1001, Bldg 247	
	ACRN BV	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864120	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100117	CLIN 1001, CMDZ	
	ACRN CA	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864192	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100118	CLIN 1001, Primavera	
	ACRNCM	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864297	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100119	CLIN 1001, RIMPAC Pac Dragon	
	ACRN CP	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864303	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100120	CLIN 1001, JWICS Refresh	
	ACRN CR	(b)(4)
	PURCHASE REQUEST NUMBER: DO9RJB70361	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100121	CLIN 1001, JIPCAN Tel Aviv	
	ACRNCA	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864139	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100122	CLIN 1001, WebCOP	
	ACRNCS	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863571	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100123	CLIN 1001, A VIGILON CCTV	
	ACRN CT	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864293	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100124	CLIN 1001, JFTM-05 Event Support	
	ACRN CW	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864347	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100125	CLIN 1001, Viasat in Carlsbad	
	ACRN CX	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864495	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100126	CLIN 1001, GSOC Cabling Fit	
	ACRNCZ	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864534	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100127	CLIN 1001, TAC Site 19 Network Support	
	ACRN DB	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864601	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100128	CLIN 1001, IRES Support for TATER and LI	
	ACRNDD	(b)(4)
	PURCHASE REQUEST NUMBER: DO9JLT80172	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100129	CLIN 1001, Special Programs	
	ACRNDH	(b)(4)
	PURCHASE REQUEST NUMBER: DO9MSC80159	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100130	CLIN 1001, SNEA-A Lab	
	ACRNDJ	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864059	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100131	CLIN 1001, JHU MWS	
	ACRNDL	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864742	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100132	CLIN 1001, RISA	
	ACRNBK	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864773	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100133	CLIN 1001, Kirland AFB TAA	
	ACRNBS	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865039	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100134	CLIN 1001, Pathfinder	
	ACRN DN	(b)(4)
	PURCHASE REQUEST NUMBER: DO9ELD80167	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100135	CLIN 1001, AB Remote Sites	
	ACRN DP	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864748	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100136	CLIN 1001, HNL LM CLAN	
	ACRN DR	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864926	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100137	CLIN 1001, Site 1	
	ACRN DT	(b)(4)
	PURCHASE REQUEST NUMBER: DO9RJB80183	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100138	CLIN 1001, SAP Expansion	
	ACRN DV	(b)(4)
	PURCHASE REQUEST NUMBER: NMM1860067701	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100139	CLIN 1001, Hardy Barracks	
	ACRN DW	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865196	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100140	CLIN 1001, TC-S3I	
	ACRN DZ	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865278	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100141	CLIN 1001, Class Comp Equip	
	ACRNEH	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865482	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100142	CLIN 1001, VBIV FLO	
	ACRN EK	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865504	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100143	CLIN 1000, VBIV FLO	
	ACRN EL	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865504	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100144	CLIN 1001, Multi	
	ACRN EM	(b)(4)
	PURCHASE REQUEST NUMBER: F3LABA8143G00I	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100145	CLIN 1001, MITRE Bedford	
	ACRN EP	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865453	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100146	CLIN 1001, KBR Wyle and LMMFC	
	ACRN ER	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865624	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100147	CLIN 1001, Peraton	
	ACRN ET	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865685	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100148	CLIN 1001, GSOC Cabling Fit	
	ACRN EV	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864534-0001	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100149	CLIN 1001 , Pride	
	ACRNEW	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865718	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100150	CLIN 1001 , DO-Non-IC	
	ACRNEY	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864211	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100151	CLIN 1001 , LM Moorestown CSSP	
	ACRNDP	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865130	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100152	CLIN 1001 , Guam Support	
	ACRN FA	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865441	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
1001 53	CLIN 1001 , MWS Extension	
	ACRNDL	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865760	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
1001 54	CLIN 1001 , AAMDTC Rm M27	
	ACRNFD	(b)(4)
	PURCHASE REQUEST NUMBER: HQ01 47865878	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
1001 55	CLIN 1001 , MBIT AoA	
	ACRNFF	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865933	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
1001 56	CLIN 1001 , Multinational Conference	
	ACRN FG	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865969	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
1001 57	CLIN 1001 , CNDSP PMRF	
	ACRNFD	(b)(4)
	PURCHASE REQUEST NUMBER: HQ01 47866020	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
1001 58	CLIN 1000, FTO-03 PTOC	
	ACRNFK	(b)(4)
	PURCHASE REQUEST NUMBER: HQ01 47865907	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
1001 59	CLIN 1001 , DE Aerospace	
	ACRN AP	(b)(4)
	PURCHASE REQUEST NUMBER: HQ01 47866007	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
1001 60	CLIN 1001 , Motion Media	
	ACRNFN	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147866018	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
1001 61	CLIN 1001, MSSCF CSSP R2	
	ACRNB M	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147866104	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
1001 62	CLIN 1001, TMCE Migration	
	ACRNFQ	(b)(4)
	PURCHASE REQUEST NUMBER: HQ01 47866174	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
1001 63	CLIN 1001, FTM-45 On-site Support PMRF	
	ACRNFS	(b)(4)
	PURCHASE REQUEST NUMBER: HQ01 47866186	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100164	(b)(4)	(b)(4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100165	(b)(4)	(b)(4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100166	(b)(4)	(b)(4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100167	(b)(4)	(b)(4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100168	(b)(4)	(b)(4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100169	(b)(4)	(b)(4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100170	CLIN 1001, DLG SCIF Reorg ACRN GA PURCHASE REQUEST NUMBER: HQ0147967864	(b)(4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100171	CLIN 1001, FTI-03 PMRF Event Support ACRNGB PURCHASE REQUEST NUMBER: HQ0147967581	(b)(4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100172	(b)(4)	(b)(4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100173	(b)(4)	(b)(4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100174	CLIN 1001, FTG-11 Kwajalein Event Support ACRN GL PURCHASE REQUEST NUMBER: HQ0147967556	(b)(4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100175	CLIN 1001, MDA/IC Support for FS-19 ACRN GM PURCHASE REQUEST NUMBER: HQ0147968138	(b)(4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100176	CLIN 1001, Missile Field 4 IPO/Comms	
	ACRNGQ	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147968575	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100177	CLIN 1001, Deploy CNet capabilities	
	ACRN GR	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147968819	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100178	CLIN 1001, CDTSS Enclave within 5201	
	ACRNGT	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147968907	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100179	CLIN 1001, MDA CLAN to DARPA DSWAN	
	ACRNGU	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147968298	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100180	CLIN 1001 , Facility Infrastructure	
	ACRNGV	(b) (4)
	PURCHASE REQUEST NUMBER: HQ0147968681	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100181	CLIN 1001 , \$222,351.00	
	ACRNGW	(b) (4)
	PURCHASE REQUEST NUMBER: HQ0147968914	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100182	CLIN 1001 , \$19,824	
	ACRNGZ	(b) (4)
	PURCHASE REQUEST NUMBER: HQ0147968977	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100183	CLIN 1001 , \$38,311	
	ACRN HB	(b) (4)
	PURCHASE REQUEST NUMBER: HQ0147968881	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100184	CLIN 1001 , \$3,949	
	ACRNHD	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147969063	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100185	CLIN 1001 , \$57,702	
	ACRNHF	(b)(4)
	PURCHASE REQUEST NUMBER: HQ01 47968981	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100186	CLIN 1001 , \$34,586	
	ACRNHH	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147969107	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100187	CLIN 1001 , \$106,404	
	ACRN HK	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147969180	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100188	CLIN 1001 , B247 IT Fit Out	
	ACRNHL	(b)(4)
	PURCHASE REQUEST NUMBER: HQ01 47969408	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100189	CLIN 1001 , Facility Infrastructure Monit	
	ACRNHM	(b)(4)
	PURCHASE REQUEST NUMBER: HQ01 47969453	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100190	CLIN 1001 , 105B	
	ACRNHN	(b)(4)
	PURCHASE REQUEST NUMBER: HQ01 47968571	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100191	CLIN 1001 , FTA-01 on Site IT Support	
	ACRN HQ	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147969789	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100192	CLIN 1001, Missile Field 4 IPO/Comms  ACRN GP	(b)(4)

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1002		1	Lot		(b)(4)
CLIN 1002, Task 10.5.1					
CPIF					
This purpose of CLIN 1002 is to group incomplete projects from the previous contract to be completed by the IRES Contractor. The requirements for this effort can be found in 10.5.1 of the PWS. This is a Cost Incentive only CLIN.					
All share ratios are identified as follows: Government/Contractor. The share ratios are subject to revision in accordance with the IRES Performance Evaluation and Incentive Plan (Contract Attachment J-06).					
NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.					
FOB: Destination					
TARGET COST					(b)(4)
TARGET FEE					
TOTAL TGT COST + FEE					
MINIMUM FEE					
MAXIMUM FEE					
SHARE RATIO ABOVE TARGET					
SHARE RATIO BELOW TARGET					

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100201	CLIN 1002, 10.5.1 Project Completion  ACRN AK  PURCHASE REQUEST NUMBER: HQ0147862872-0001	(b)(4)

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1003	CLIN 1003, R&D IC Services/Cap CPIF The Contractor shall provide services/capabilities identified in the performance work statement (PWS) attached to this task order. The CLIN value is based on workload estimates and projects are grouped into CLINs 1000, 1040, 1060 and 1070. All costs, other than those specifically included in 1040, 1060 or 1070, shall be included in this CLIN. Engineering estimates will be developed for each project and tracked in the funding log. Provisional fee will be paid IAW IRES PEIP and billing instructions.  All share ratios are identified as follows: Government/Contractor. The share ratios are subject to revision in accordance with the IRES Performance Evaluation and Incentive Plan (Contract Attachment J-06). All task order CLINs are combined and considered a single entity for the purpose of administering the cost and performance incentives identified in the IRES PEIP. FOB: Destination PURCHASE REQUEST NUMBER: HQ0147969825	1	Lot		(b)(4)
TARGET COST					(b)(4)
TARGET FEE					
TOTAL TGT COST + FEE					
MINIMUM FEE					
MAXIMUM FEE					
SHARE RATIO ABOVE TARGET					
SHARE RATIO BELOW TARGET					

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100301	CLIN 1003, Missile Field 4 IPO/Comms	
	ACRN HR	(b)(4)
	PURCHASE REQUEST NUMBER: HQ01 47969825	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1040	CLIN 1040, R&D IC Exp CAP HW CPIF Contractor purchase of expensed contractor-acquired property (CAP)— specifically information technology (IT) hardware (HW) / equipment (equip)— necessary to provide the services / capabilities associated with projects identified in CLIN 1000. CAP is defined in FAR 52.245-1. IT HW/Equip is a subset of equipment as defined in DoDI 5000.64.  Expensed CAP line items were created as an accounting mechanism designed to provide MDA better visibility and linkage of budget, obligation, expenditure, and government property data. Given the need for this level of visibility and linkage, as well as the need to include these costs as an integral component of the incentives, all task order CLINs are combined and considered a single entity for the purpose of administering the cost and performance incentives identified in the IRES PEIP (Contract Attachment J-06).  All share ratios are identified as follows: Government/Contractor. The share ratios are subject to revision in accordance with the IRES PEIP. NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent. FOB: Destination PURCHASE REQUEST NUMBER: HQ0147862046	(b)(4)			(b)(4)

TARGET COST  
TARGET FEE  
TOTAL TGT COST + FEE  
MINIMUM FEE  
MAXIMUM FEE  
SHARE RATIO ABOVE TARGET  
SHARE RATIO BELOW TARGET

(b)(4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104001	CLIN 1040, IT Users	
	ACRNBA	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863769	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104002	CLIN 1040, IT Users	
	ACRNBB	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863769	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104003	CLIN 1040, IT Users	
	ACRNBC	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863769	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104004	CLIN 1040, IT Users	
	ACRNBD	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863769	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104005	CLIN 1040, IT Users	
	ACRN BE	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863769	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104006	CLIN 1040, Surface Pro 4	
	ACRN BG	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863803	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104007	CLIN 1040, IC Services	
	ACRN BH	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863808	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104008	CLIN 1040, Remote Site Enhancement	
	ACRN AQ	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864023	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104009	CLIN 1040, FTA-01 UNet CNet	
	ACRN BP	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864058	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104010	CLIN 1040, IT Hardware	
	ACRNDF	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864661	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104011	CLIN 1040 IT Hardware	
	ACRNDG	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864661	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104012	CLIN 1040, Comp. Sol - Tucson	
	ACRN DQ	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865122	

ITEM NO	SUPPLIES/ SERVICES	AMOUNT
104013	CLIN 1040, DREN	
	ACRN EB	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865279	

ITEM NO	SUPPLIES/ SERVICES	AMOUNT
104014	CLIN 1040, BMD I-SIM LAN Compliance	
	ACRN AQ	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865837	

ITEM NO	SUPPLIES/ SERVICES	AMOUNT
104015	CLIN 1040, Funding Move	
	ACRN AB	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147862046-0002	

ITEM NO	SUPPLIES/ SERVICES	AMOUNT
104016	CLIN 1040, H/W Maint	
	ACRN AB	(b)(4)
	PURCHASE REQUEST NUMBER: HQ01 47866278	

ITEM NO	SUPPLIES/ SERVICES	AMOUNT
104017	CLIN 1040, SAP Maint Renewals	
	ACRN FT	(b)(4)
	PURCHASE REQUEST NUMBER: DO9ELD80227-0001	

ITEM NO	SUPPLIES/ SERVICES	AMOUNT
104018	CLIN 1040, HW Servers	
	ACRN FU	(b)(4)
	PURCHASE REQUEST NUMBER: DO9ELD80229	

ITEM NO	SUPPLIES/ SERVICES	AMOUNT
104019	CLIN 1040, MDDC to the ARC	
	ACRN GD	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147966997	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104020	CLIN 1040, Hardware Funding	
	ACRN GE	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147967147	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104021	CLIN 1040, Hardware Funding	
	ACRN GF	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147967147	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104022	CLIN 1040, Hardware Funding	
	ACRN GG	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147967147	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104023	CLIN 1040, Hardware Funding	
	ACRNGH	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147967147	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1041		(b)(4)			(b)(4)

CLIN 1041, R&D Non-IC Expensed CAP HW  
CPIF

Contractor purchase of expensed contractor-acquired property (CAP)—specifically information technology (IT) hardware (HW) / equipment (equip)—necessary to provide the services / capabilities associated with projects identified in CLIN 1001. CAP is defined in FAR 52.245-1. IT HW/Equip is a subset of equipment as defined in DoDI 5000.64.

Expensed CAP line items were created as an accounting mechanism designed to provide MDA better visibility and linkage of budget, obligation, expenditure, and government property data. Given the need for this level of visibility and linkage, as well as the need to include these costs as an integral component of the incentives, all task order CLINs are combined and considered a single entity for the purpose of administering the cost and performance incentives identified in the IRES PEIP (Contract Attachment J-06).

All share ratios are identified as follows: Government/Contractor. The share ratios are subject to revision in accordance with the IRES PEIP.

NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.

FOB: Destination

PURCHASE REQUEST NUMBER: HQ01 47862046

TARGET COST  
TARGET FEE

TOTAL TGT COST + FEE  
MINIMUM FEE  
MAXIMUM FEE

SHARE RATIO ABOVE TARGET  
SHARE RATIO BELOW TARGET

(b)(4)

FSC CD: 7025

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104101		

CLIN 1041, NON-IC EXP HW

ACRN AB

PURCHASE REQUEST NUMBER: HQ01 47862046

(b)(4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104102	CLIN 1041, FY18 BCDV - HW	
	ACRN AE	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147862212	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104103	CLIN 1041 FY18 JIPCAN HW	
	ACRN AG	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147862519	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104104	CLIN 1041 FY18 Shaw AFB HW	
	ACRN AM	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147862925	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104105	CLIN 1041, 10.3.8 TMC-ICN	
	ACRN AQ	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863302	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104106	CLIN 1041, 10.3.11 Sulf Mine	
	ACRN AV	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863377	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104107	CLIN 1041, Server Support	
	ACRN AX	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863702	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104108	1041, VoIP Switch	
	ACRN BL	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863728	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104109	CLIN 1041, CWTC Set Up	
	ACRN BR	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864067	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104110	CLIN 1041, Network and CVTC	
	ACRNBT	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864092	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104111	CLIN 1041, VIII SP Area	
	ACRNBU	(b)(4)
	PURCHASE REQUEST NUMBER: DO9RJB80140	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104112	CLIN 1041, Bldg 247	
	ACRNBW	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864120	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104113	CLIN 1041, Bldg 247	
	ACRNBY	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864123	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104114	CLIN 1041, CMDZ	
	ACRN CB	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864192	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104115	CLIN 1041, Primavera	
	ACRN CN	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864297	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104116	CLIN 1041, RIMPAC Pac Dragon	
	ACRN CQ	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864303	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104117	CLIN 1041, JWICS Refresh	
	ACRN CR	(b)(4)
	PURCHASE REQUEST NUMBER: DO9RJB70361	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104118	CLIN 1041, JIPCAN Tel Aviv	
	ACRN CB	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864139	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104119	CLIN 1041, AVIGILON CCTV	
	ACRN CU	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864293	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104120	CLIN 1041, Viasat in Carlsbad	
	ACRN CY	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864495	

ITEM NO	SUPPLIES/ SERVICES	AMOUNT
104121	CLIN 1041, Special Programs	
	ACRN DH	(b)(4)
	PURCHASE REQUEST NUMBER: DO9MSC80159	

ITEM NO	SUPPLIES/ SERVICES	AMOUNT
104122	CLIN 1041, SNEA-A Lab	
	ACRN DK	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864059	

ITEM NO	SUPPLIES/ SERVICES	AMOUNT
104123	CLIN 1041, JHU MWS	
	ACRN DM	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864742	

ITEM NO	SUPPLIES/ SERVICES	AMOUNT
104124	CLIN 1041, RISA	
	ACRNBL	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864773	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104125	CLIN 1041, Kirkland AFB TAA	
	ACRN BT	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865039	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104126	CLIN 1041, AB Remote Site	
	ACRNDQ	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864748	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104127	CLIN 1041, HNL LM CLAN	
	ACRN DS	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864926	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104128	CLIN 1041, SAP Expansion	
	ACRNDV	(b)(4)
	PURCHASE REQUEST NUMBER: NMM1860067701	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104129	CLIN 1041, Hardy Barracks	
	ACRN DX	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865196	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104130	CLIN 1041, TC-S3I	
	ACRN EA	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865278	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104131	CLIN 1041, Com Equip	
	ACRN EG	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865469	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104132	CLIN 1041, Class Comp Equip	
	ACRN EJ	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865482	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104133	CLIN 1041 , Multi	
	ACRNEM	(b)(4)
	PURCHASE REQUEST NUMBER: F3LABA8143G001	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104134	CLIN 1041 , Spec Program	
	ACRN EN	(b)(4)
	PURCHASE REQUEST NUMBER: DO9MSC80205	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104135	CLIN 1041 , MITRE Bedford	
	ACRNEQ	(b)(4)
	PURCHASE REQUEST NUMBER: HQ01 47865453	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104136	CLIN 1041 , KBRWyle and LMMFC	
	ACRNES	(b)(4)
	PURCHASE REQUEST NUMBER: HQ01 47865624	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104137	CLIN 1041, Peraton	
	ACRNEU	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865685	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104138	CLIN 1041, Pride	
	ACRNEX	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865718	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104139	CLIN 1041, DO-NonIC	
	ACRNEZ	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864211	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104140	CLIN 1041, LM Moorestown CSSP	
	ACRN DQ	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865130	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104141	CLIN 1041 , Wake Island Test Support	
	ACRNFB	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865723	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104142	CLIN 1041 , MWS Extension	
	ACRN DM	(b)(4)
	PURCHASE REQUEST NUMBER: HQ01 47865760	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104143	CLIN 1041 , AAMDTC Rm M27	
	ACRNFE	(b)(4)
	PURCHASE REQUEST NUMBER: HQ01 47865878	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104144	CLIN 1041 , Multinational Conference	
	ACRN FH	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865969	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
1041 45	CLIN 1041, CNDSP PMRF	
	ACRNFE	(b)(4)
	PURCHASE REQUEST NUMBER: HQ01 47866020	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
1041 46	CLIN 1041, FTO-03 PTOC	
	ACRNFL	(b)(4)
	PURCHASE REQUEST NUMBER: HQ01 47865907	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
1041 47	CLIN 1041, DE Aerospace	
	ACRN AQ	(b)(4)
	PURCHASE REQUEST NUMBER: HQ01 47866007	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104148	CLIN 1041, Motion Media	
	ACRN FN	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147866018	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104149	CLIN 1041, TMCE Migration	
	ACRN FR	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147866174	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104150	CLIN 1041, SDREN to VB3	
	ACRN EA	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147866327	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104151	CLIN 1041, SDREN VB3	
	ACRN FW	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147866352	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104152	CLIN 1041, CLAN Andover	
	ACRN ES	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147866533	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104153	CLIN 1041, JWICS Net Supp	
	ACRN FC	(b)(4)
	PURCHASE REQUEST NUMBER: DO9RJB80208-0001	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104154	CLIN 1041, DLG SCIF Reorg	
	ACRN FZ	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147967865	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104155	CLIN 1041, Ft Bliss EOL	
	ACRN GK	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147968125	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104156	CLIN 1041, MDA/IC Support for FS-19	
	ACRNGN	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147968138	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104157	CLIN 1041, Missile Field 4 IPO/Comms	
	ACRN GP	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147968575	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104158	CLIN 1041, \$25,781	
	ACRNGX	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147968914	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104159	CLIN 1041, \$6,342	
	ACRN HA	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147968980	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104160	CLIN 1041, \$72,159	
	ACRN HC	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147968881	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104161	CLIN 1041, \$11,235	
	ACRN HE	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147969063	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104162	CLIN 1041, \$71,939	
	ACRN HG	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147968981	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104163	CLIN 1041, \$50,932	
	ACRN HJ	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147969107	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104164	CLIN 1041, 105B	
	ACRN HP	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147968571	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104165	CLIN 1041, Missile Field 4 IPO/ Comms	
	ACRNGQ	(b)(4)

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1060		(b)(4)			(b)(4)

CLIN 1060, R&D IC Exp CAP IUS  
 CPIX

Contractor purchase of expensed contractor-acquired property (CAP)—specifically commercial-off-the-shelf (COTS) internal use software (IUS)—necessary to provide the services / capabilities associated with projects identified in CLIN 1000. CAP is defined in FAR 52.245-1. COTS IUS is a subset of IUS as defined in DoDI 5000.76.

Expensed CAP line items were created as an accounting mechanism designed to provide MDA better visibility and linkage of budget, obligation, expenditure, and government property data. Given the need for this level of visibility and linkage, as well as the need to include these costs as an integral component of the incentives, all task order CLINs are combined and considered a single entity for the purpose of administering the cost and performance incentives identified in the IRES PEIP (Contract Attachment J-06).

All share ratios are identified as follows: Government/ Contractor. The share ratios are subject to revision in accordance with the IRES PEIP.

NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.

FOB: Destination

PURCHASE REQUEST NUMBER: HQ0147862046

TARGET COST  
 TARGET FEE  
 TOTAL TGT COST + FEE  
 MINIMUM FEE  
 MAXIMUM FEE  
 SHARE RATIO ABOVE TARGET  
 SHARE RATIO BELOW TARGET

(b)(4)

FSC CD: 7030

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106001		

CLIN 1060, IC Services

ACRN BJ

(b)(4)

PURCHASE REQUEST NUMBER: HQ0147863808

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106002	CLIN 1060, SAP Maint Renewals	
	ACRNFT	(b)(4)
	PURCHASE REQUEST NUMBER: DO9ELD80227-0001	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106003	CLIN 1060, Software Funding	
	ACRN GF	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147967147	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1061		(b)(4)			(b)(4)

CLIN 1061, R&D Non-IC Exp CAP IUS  
 CPIX

Contractor purchase of expensed contract or acquired property (CAP)—specifically commercial-off-the-shelf (COTS) internal use software (IUS)—necessary to provide the services / capabilities associated with projects identified in CLIN 1001. CAP is defined in FAR 52.245-1. COTS IUS is a subset of IUS as defined in DoDI 5000.76.

Expensed CAP line items were created as an accounting mechanism designed to provide MDA better visibility and linkage of budget, obligation, expenditure, and government property data. Given the need for this level of visibility and linkage, as well as the need to include these costs as an integral component of the incentives, all task order CLINs are combined and considered a single entity for the purpose of administering the cost and performance incentives identified in the IRES PEIP (Contract Attachment J-06).

All share ratios are identified as follows: Government/ Contractor. The share ratios are subject to revision in accordance with the IRES PEIP.

NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.

FOB: Destination

PURCHASE REQUEST NUMBER: HQ01 47862046

TARGET COST  
 TARGET FEE  
 TOTAL TGT COST + FEE  
 MINIMUM FEE  
 MAXIMUM FEE  
 SHARE RATIO ABOVE TARGET  
 SHARE RATIO BELOW TARGET

(b)(4)

FSC CD: 7030

ITEM NO	SUPPLIES/SERVICES	AMOUNT
1061 01		

CLIN 1061, NON-IC EXP COTS IUS

ACRN AC

(b)(4)

PURCHASE REQUEST NUMBER: HQ0147862046

ITEM NO	SUPPLIES/SERVICES	AMOUNT
1061 02	CLIN 1061 FY18 JIPCAN SW	
	ACRN AG	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147862519	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
1061 03	CLIN 1061 FY18 DOORS SW	
	ACRN AJ	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147862641	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
1061 04	CLIN 1061, 10.3.8 TMC-ICN	
	ACRN AQ	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863302	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
1061 05	CLIN 1061, 10.2.3 C2BMC DUC	
	ACRN AS	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863352	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106106	CLIN 1061, CWTC Set Up	
	ACRN BR	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864067	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106107	CLIN 1061, Primavera	
	ACRN CN	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864297	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106108	CLIN 1061, AVIGILON CCTV	
	ACRN CU	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864293	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106109	CLIN 1061, Viasat in Carlshad	
	ACRNCY	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864495	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106110	CLIN 1061, Special Programs	
	ACRN DH	(b)(4)
	PURCHASE REQUEST NUMBER: DO9MSC80159	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106111	CLIN 1061, AB Remote Sites	
	ACRNDQ	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864748	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106112	CLIN 1061, Com Equip	
	ACRN EG	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865469	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106113	CLIN 1061, Multi	
	ACRN EM	(b)(4)
	PURCHASE REQUEST NUMBER: F3LABA81 43G001	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106114	CLIN 1061, Spec Program	
	ACRN EN	(b)(4)
	PURCHASE REQUEST NUMBER: DO9MSC80205	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106115	CLIN 1061, Peraton	
	ACRN EU	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865685	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106116	CLIN 1061, Pride	
	ACRN EX	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865718	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106117	CLIN 1061, CNDSP PMRF	
	ACRNFE	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147866020	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106118	CLIN 1061, Missile Field 4 IPO/Comms	
	ACRN GQ	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147968575	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106119	CLIN 1061, \$8,560	
	ACRN HA	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147968980	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106120	CLIN 1061, \$3,097	
	ACRNHG	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147968981	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106121	CLIN 1061, \$9,149	
	ACRNHJ	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147969107	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106122	CLIN 1061, 105B	
	ACRNHP	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147968571	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1080		(b)(4)			(b)(4)

CLIN 1080, R&D IT HW Capital Asset  
 CPIX

This CLIN separates a portion of the IT Hardware (FireEye) for task 10.5.12 as a Capital Asset. All costs associated with the purchase of this asset are included. IT HW/Equip is a subset of equipment as defined in DoDI 5000.64. the remaining costs for this project are included in CLIN 1000.

Separating Capital Assets provides an accounting mechanism designed to provide MDA better visibility and linkage of budget, obligation, expenditure, and government property data. Given the need for this level of visibility and linkage, as well as the need to include these costs as an integral component of the incentives, all task order CLINs are combined and considered a single entity for the purpose of administering the cost and performance incentives identified in the IRES PEIP (Contract Attachment J-06).

All share ratios are identified as follows: Government/Contractor. The share ratios are subject to revision in accordance with the IRES PEIP.

NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.

NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.

FOB: Destination

PURCHASE REQUEST NUMBER: HQ0147862046

TARGET COST  
 TARGET FEE  
 TOTAL TGT COST + FEE  
 MINIMUM FEE  
 MAXIMUM FEE  
 SHARE RATIO ABOVE TARGET  
 SHARE RATIO BELOW TARGET

(b)(4)

FSC CD: 7025

ITEM NO	SUPPLIES/SERVICES	AMOUNT
108001		

CLIN 1080, Fire Eye, Capital Assett

ACRNDE

(b)(4)

PURCHASE REQUEST NUMBER: HQ0147864661

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1700		(b)(4)			(b)(4)

CLIN 1700, O&M Services/Capabilities  
CPIF

The Contractor shall provide services/capabilities identified in the performance work statement (PWS) attached to this task order. The CLIN value is based on workload estimates and projects are grouped into CLINs 1700, 1740, 1760 and 1770. All costs, other than those specifically included in 1740, 1760 or 1770, shall be included in this CLIN. Engineering estimates will be developed for each project and tracked in the funding log. Provisional fee will be paid IAW IRES PEIP and billing instructions.

All share ratios are identified as follows: Government/Contractor. The share ratios are subject to revision in accordance with the IRES Performance Evaluation and Incentive Plan (Contract Attachment J-06). All task order CLINs are combined and considered a single entity for the purpose of administering the cost and performance incentives identified in the IRES PEIP.

FOB: Destination

PURCHASE REQUEST NUMBER: HQ0147862046

TARGET COST  
TARGET FEE  
TOTAL TGT COST + FEE  
MINIMUM FEE  
MAXIMUM FEE  
SHARE RATIO ABOVE TARGET  
SHARE RATIO BELOW TARGET

(b)(4)

FSCCD: AC23

ITEM NO	SUPPLIES/SERVICES	AMOUNT
170001		

CLIN 1700, FGA GFC Video Feed

ACRN AY

PURCHASE REQUEST NUMBER: HQ0147863703

(b)(4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
170002	CLIN 1700, SNX-S	
	ACRN CC	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864162	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
170003	CLIN 1700, SNX-S	
	ACRN CC	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864306	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
170004	CLIN 1700, JFCC-IMD	
	ACRN DU	(b)(4)
	PURCHASE REQUEST NUMBER: 1115136901	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
170005	CLIN 1700, vIPer	
	ACR NEC	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865299	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
170006	CLIN 1700, CLAN Connectivity	
	ACRN FP	(b)(4)
	PURCHASE REQUEST NUMBER: F3RTCM8235G001	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
170007	CLIN 1700, FGA Redundancy	
	ACRN AY	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863703- 0002	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
170008	CLIN 1700, SMDC OnGuard	
	ACRN FX	(b)(4)
	PURCHASE REQUEST NUMBER: MIPR0011217058	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1740		(b)(4)			(b)(4)

CLIN 1740, O&M Exp CAP HW  
 CPIX

Contractor purchase of expensed contractor-acquired property (CAP)—specifically information technology (IT) hardware (HW) / equipment (equip)—necessary to provide the services / capabilities associated with projects identified in CLIN 1700. CAP is defined in FAR 52.245-1. IT HW/Equip is a subset of equipment as defined in DoDI 5000.64.

Expensed CAP line items were created as an accounting mechanism designed to provide MDA better visibility and linkage of budget, obligation, expenditure, and government property data. Given the need for this level of visibility and linkage, as well as the need to include these costs as an integral component of the incentives, all task order CLINs are combined and considered a single entity for the purpose of administering the cost and performance incentives identified in the IRES PEIP (Contract Attachment J-06).

All share ratios are identified as follows: Government/Contractor. The share ratios are subject to revision in accordance with the IRES PEIP.

NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.

FOB: Destination

PURCHASE REQUEST NUMBER: HQ0147862046

TARGET COST  
 TARGET FEE  
 TOTAL TGT COST + FEE  
 MINIMUM FEE  
 MAXIMUM FEE  
 SHARE RATIO ABOVE TARGET  
 SHARE RATIO BELOW TARGET

(b)(4)

FSC CD: 7025

ITEM NO	SUPPLIES/SERVICES	AMOUNT
174001		

CLIN 1740, FGA GFC Video Feed

ACRN AZ

PURCHASE REQUEST NUMBER: HQ0147863703

(b)(4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
174002	CLIN 1740, SNX-S	
	ACRNCD	(b)(4)
	PURCHASE REQUEST NUMBER: HQ01 478641 62	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
174003	CLIN 1740, SNX-S	
	ACRNCD	(b)(4)
	PURCHASE REQUEST NUMBER: HQ01 47864306	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
174004	CLIN 1740, JFCC-IMD	
	ACRN DU	(b)(4)
	PURCHASE REQUEST NUMBER: 1115136901	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
174005	CLIN 1740, vIPer	
	ACRN ED	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865299	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
174006	CLIN 1740, CLAN Connectivity	
	ACRNFP	(b)(4)
	PURCHASE REQUEST NUMBER: F3RTCM8235G001	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
174007	CLIN 1740, FGA Redundancy	
	ACRN AZ	(b)(4)
	PURCHASE REQUEST NUMBER: HQ01 47863703- 0002	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
174008	CLIN 1740, SMDC OnGuard	
	ACRNFX	(b)(4)
	PURCHASE REQUEST NUMBER: MIPR0011 217058	

ITEM NO	SUPPLIES/ SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1760		(b)(4)			(b)(4)

CLIN 1760, O&M Exp CAPTUS  
 CPIF

Contractor purchase of expensed contractor acquired property (CAP)—specifically commercial-off-the-shelf (COTS) internal use software (IUS)—necessary to provide the services / capabilities associated with projects identified in CLIN 1700. CAP is defined in FAR 52.245-1. COTS IUS is a subset of IUS as defined in DoDI 5000.76.

Expensed CAP line items were created as an accounting mechanism designed to provide MDA better visibility and linkage of budget, obligation, expenditure, and government property data. Given the need for this level of visibility and linkage, as well as the need to include these costs as an integral component of the incentives, all task order CLINs are combined and considered a single entity for the purpose of administering the cost and performance incentives identified in the IRES PEIP (Contract Attachment J-06).

All share ratios are identified as follows: Government/ Contractor. The share ratios are subject to revision in accordance with the IRES PEIP.

NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.

FOB: Destination

PURCHASE REQUEST NUMBER: HQ01 47862046

TARGET COST  
 TARGET FEE  
 TOTAL TGT COST + FEE  
 MINIMUM FEE  
 MAXIMUM FEE  
 SHARE RATIO ABOVE TARGET  
 SHARE RATIO BELOW TARGET

(b)(4)

FSC CD: 7030

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
7500		(b)(4)			(b)(4)

Services/Solutions to Support FMS  
FFP

This CLIN provides IT Project Services/Solutions for FMS funding.  
The contractor shall provide all services/capabilities identified in the performance  
work statement (PWS) attached to this task order. All task order costs, other than  
those specifically included in another contract line item number (CLIN), are  
included in this CLIN.

Projects accomplished in this CLIN will not be included in the cost/performance  
incentive defined in the IRES PEIP (Contract Attachment J-06)

FOB: Destination

PURCHASE REQUEST NUMBER: N0002418MP00960

NET AMT

(b)(4)

FSC CD: AC23

ITEM NO	ACRN	FUNDED AMOUNT
750001	ACRND C	(b)(4)

PURCHASE REQUEST NUMBER: N0002418MP00960

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
7990		1	Lot		NSP

CLIN 7990, Data (NSP)

FFP

The contractor shall deliver all data identified in the contract data requirements lists (CDRL) attached to this task order.

Reference Section G of the basic contract. At the end of the task order period of performance, the contractor shall submit one Invoicing, Receipt, Acceptance, and Property Transfer (iRAPT) receiving report for all data previously delivered.

NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.

FOB: Destination

PURCHASE REQUEST NUMBER: HQ0147862046

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NET AMT

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
7991		8	Lot		NSP

CLIN 7991 , Exp CAP Delivery (NSP)

FFP

Delivery of expensed CAP as required by the IRES Government Property Management Task Order.

NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.

FOB: Destination

PURCHASE REQUEST NUMBER: HQ0147862046

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NET AMT

FSC CD: AC23

Section E - Inspection and Acceptance

INSPECTION AND ACCEPTANCE TERMS

Supplies/services will be inspected/accepted at:

CLIN	INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
1000	Origin	Government	Destination	Government
100001	N/A	N/A	N/A	N/A
100002	N/A	N/A	N/A	N/A
100003	N/A	N/A	N/A	N/A
100004	N/A	N/A	N/A	N/A
100005	N/A	N/A	N/A	N/A
100006	N/A	N/A	N/A	N/A
100007	N/A	N/A	N/A	N/A
100008	N/A	N/A	N/A	N/A
100009	N/A	N/A	N/A	N/A
100010	N/A	N/A	N/A	N/A
100011	N/A	N/A	N/A	N/A
100012	N/A	N/A	N/A	N/A
100013	N/A	N/A	N/A	N/A
100014	N/A	N/A	N/A	N/A
100015	N/A	N/A	N/A	N/A
100016	N/A	N/A	N/A	N/A
100017	N/A	N/A	N/A	N/A
100018	N/A	N/A	N/A	N/A
100019	N/A	N/A	N/A	N/A
100020	N/A	N/A	N/A	N/A
100021	N/A	N/A	N/A	N/A
100022	N/A	N/A	N/A	N/A
100023	N/A	N/A	N/A	N/A
100024	N/A	N/A	N/A	N/A
100025	N/A	N/A	N/A	N/A
100026	N/A	N/A	N/A	N/A
100027	N/A	N/A	N/A	N/A
100028	N/A	N/A	N/A	N/A
100029	N/A	N/A	N/A	N/A
100030	N/A	N/A	N/A	N/A
100031	N/A	N/A	N/A	N/A
100032	N/A	N/A	N/A	N/A
100033	N/A	N/A	N/A	N/A
100034	N/A	N/A	N/A	N/A
100035	N/A	N/A	N/A	N/A
100036	N/A	N/A	N/A	N/A
100037	N/A	N/A	N/A	N/A
100038	N/A	N/A	N/A	N/A
100039	N/A	N/A	N/A	N/A
100040	N/A	N/A	N/A	N/A
100041	N/A	N/A	N/A	N/A
100042	N/A	N/A	N/A	N/A
100043	N/A	N/A	N/A	N/A

100044	N/A	N/A	N/A	N/A
100045	N/A	N/A	N/A	N/A
100046	N/A	N/A	N/A	N/A
100047	N/A	N/A	N/A	N/A
100048	N/A	N/A	N/A	N/A
100049	N/A	N/A	N/A	N/A
100050	N/A	N/A	N/A	N/A
100051	N/A	N/A	N/A	N/A
100052	N/A	N/A	N/A	N/A
100053	N/A	N/A	N/A	N/A
100054	N/A	N/A	N/A	N/A
100055	N/A	N/A	N/A	N/A
100056	N/A	N/A	N/A	N/A
100057	N/A	N/A	N/A	N/A
100058	N/A	N/A	N/A	N/A
100059	N/A	N/A	N/A	N/A
100060	N/A	N/A	N/A	N/A
100061	N/A	N/A	N/A	N/A
100062	N/A	N/A	N/A	N/A
100063	N/A	N/A	N/A	N/A
100064	N/A	N/A	N/A	N/A
100065	N/A	N/A	N/A	N/A
100066	N/A	N/A	N/A	N/A
100067	N/A	N/A	N/A	N/A
100068	N/A	N/A	N/A	N/A
100069	N/A	N/A	N/A	N/A
100070	N/A	N/A	N/A	N/A
100071	N/A	N/A	N/A	N/A
100072	N/A	N/A	N/A	N/A
100073	N/A	N/A	N/A	N/A
100074	N/A	N/A	N/A	N/A
100075	N/A	N/A	N/A	N/A
100076	N/A	N/A	N/A	N/A
100077	N/A	N/A	N/A	N/A
100078	N/A	N/A	N/A	N/A
100079	N/A	N/A	N/A	N/A
100080	N/A	N/A	N/A	N/A
100081	N/A	N/A	N/A	N/A
100082	N/A	N/A	N/A	N/A
100083	N/A	N/A	N/A	N/A
100084	N/A	N/A	N/A	N/A
100085	N/A	N/A	N/A	N/A
100086	N/A	N/A	N/A	N/A
100087	N/A	N/A	N/A	N/A
100088	N/A	N/A	N/A	N/A
100089	N/A	N/A	N/A	N/A
100090	N/A	N/A	N/A	N/A
100091	N/A	N/A	N/A	N/A
100092	N/A	N/A	N/A	N/A
100093	N/A	N/A	N/A	N/A
100094	N/A	N/A	N/A	N/A
100095	N/A	N/A	N/A	N/A
100096	N/A	N/A	N/A	N/A
100097	N/A	N/A	N/A	N/A
100098	N/A	N/A	N/A	N/A

100099	N/A	N/A	N/A	N/A
1001	Origin	Government	Destination	Government
100101	N/A	N/A	N/A	N/A
100102	N/A	N/A	N/A	N/A
100103	N/A	N/A	N/A	N/A
100104	N/A	N/A	N/A	N/A
100105	N/A	N/A	N/A	N/A
100106	N/A	N/A	N/A	N/A
100107	N/A	N/A	N/A	N/A
100108	N/A	N/A	N/A	N/A
100109	N/A	N/A	N/A	N/A
100110	N/A	N/A	N/A	N/A
100111	N/A	N/A	N/A	N/A
100112	N/A	N/A	N/A	N/A
100113	N/A	N/A	N/A	N/A
100114	N/A	N/A	N/A	N/A
100115	N/A	N/A	N/A	N/A
100116	N/A	N/A	N/A	N/A
100117	N/A	N/A	N/A	N/A
100118	N/A	N/A	N/A	N/A
100119	N/A	N/A	N/A	N/A
100120	N/A	N/A	N/A	N/A
100121	N/A	N/A	N/A	N/A
100122	N/A	N/A	N/A	N/A
100123	N/A	N/A	N/A	N/A
100124	N/A	N/A	N/A	N/A
100125	N/A	N/A	N/A	N/A
100126	N/A	N/A	N/A	N/A
100127	N/A	N/A	N/A	N/A
100128	N/A	N/A	N/A	N/A
100129	N/A	N/A	N/A	N/A
100130	N/A	N/A	N/A	N/A
100131	N/A	N/A	N/A	N/A
100132	N/A	N/A	N/A	N/A
100133	N/A	N/A	N/A	N/A
100134	N/A	N/A	N/A	N/A
100135	N/A	N/A	N/A	N/A
100136	N/A	N/A	N/A	N/A
100137	N/A	N/A	N/A	N/A
100138	N/A	N/A	N/A	N/A
100139	N/A	N/A	N/A	N/A
100140	N/A	N/A	N/A	N/A
100141	N/A	N/A	N/A	N/A
100142	N/A	N/A	N/A	N/A
100143	N/A	N/A	N/A	N/A
100144	N/A	N/A	N/A	N/A
100145	N/A	N/A	N/A	N/A
100146	N/A	N/A	N/A	N/A
100147	N/A	N/A	N/A	N/A
100148	N/A	N/A	N/A	N/A
100149	N/A	N/A	N/A	N/A
100150	N/A	N/A	N/A	N/A
100151	N/A	N/A	N/A	N/A
100152	N/A	N/A	N/A	N/A
100153	N/A	N/A	N/A	N/A

100154	N/A	N/A	N/A	N/A
100155	N/A	N/A	N/A	N/A
100156	N/A	N/A	N/A	N/A
100157	N/A	N/A	N/A	N/A
100158	N/A	N/A	N/A	N/A
100159	N/A	N/A	N/A	N/A
100160	N/A	N/A	N/A	N/A
100161	N/A	N/A	N/A	N/A
100162	N/A	N/A	N/A	N/A
100163	N/A	N/A	N/A	N/A
100164	N/A	N/A	N/A	N/A
100165	N/A	N/A	N/A	N/A
100166	N/A	N/A	N/A	N/A
100167	N/A	N/A	N/A	N/A
100168	N/A	N/A	N/A	N/A
100169	N/A	N/A	N/A	N/A
100170	N/A	N/A	N/A	N/A
100171	N/A	N/A	N/A	N/A
100172	N/A	N/A	N/A	N/A
100173	N/A	N/A	N/A	N/A
100174	N/A	N/A	N/A	N/A
100175	N/A	N/A	N/A	N/A
100176	N/A	N/A	N/A	N/A
100177	N/A	N/A	N/A	N/A
100178	N/A	N/A	N/A	N/A
100179	N/A	N/A	N/A	N/A
100180	N/A	N/A	N/A	N/A
100181	N/A	N/A	N/A	N/A
100182	N/A	N/A	N/A	N/A
100183	N/A	N/A	N/A	N/A
100184	N/A	N/A	N/A	N/A
100185	N/A	N/A	N/A	N/A
100186	N/A	N/A	N/A	N/A
100187	N/A	N/A	N/A	N/A
100188	N/A	N/A	N/A	N/A
100189	N/A	N/A	N/A	N/A
100190	N/A	N/A	N/A	N/A
100191	N/A	N/A	N/A	N/A
100192	N/A	N/A	N/A	N/A
1002	Origin	Government	Destination	Government
100201	N/A	N/A	N/A	N/A
1003	Origin	Government	Destination	Government
100301	N/A	N/A	N/A	N/A
1040	Origin	Government	Destination	Government
104001	N/A	N/A	N/A	N/A
104002	N/A	N/A	N/A	N/A
104003	N/A	N/A	N/A	N/A
104004	N/A	N/A	N/A	N/A
104005	N/A	N/A	N/A	N/A
104006	N/A	N/A	N/A	N/A
104007	N/A	N/A	N/A	N/A
104008	N/A	N/A	N/A	N/A
104009	N/A	N/A	N/A	N/A
104010	N/A	N/A	N/A	N/A
104011	N/A	N/A	N/A	N/A

104012	N/A	N/A	N/A	N/A
104013	N/A	N/A	N/A	N/A
104014	N/A	N/A	N/A	N/A
104015	N/A	N/A	N/A	N/A
104016	N/A	N/A	N/A	N/A
104017	N/A	N/A	N/A	N/A
104018	N/A	N/A	N/A	N/A
104019	N/A	N/A	N/A	N/A
104020	N/A	N/A	N/A	N/A
104021	N/A	N/A	N/A	N/A
104022	N/A	N/A	N/A	N/A
104023	N/A	N/A	N/A	N/A
1041	Origin	Government	Destination	Government
104101	N/A	N/A	N/A	N/A
104102	N/A	N/A	N/A	N/A
104103	N/A	N/A	N/A	N/A
104104	N/A	N/A	N/A	N/A
104105	N/A	N/A	N/A	N/A
104106	N/A	N/A	N/A	N/A
104107	N/A	N/A	N/A	N/A
104108	N/A	N/A	N/A	N/A
104109	N/A	N/A	N/A	N/A
104110	N/A	N/A	N/A	N/A
104111	N/A	N/A	N/A	N/A
104112	N/A	N/A	N/A	N/A
104113	N/A	N/A	N/A	N/A
104114	N/A	N/A	N/A	N/A
104115	N/A	N/A	N/A	N/A
104116	N/A	N/A	N/A	N/A
104117	N/A	N/A	N/A	N/A
104118	N/A	N/A	N/A	N/A
104119	N/A	N/A	N/A	N/A
104120	N/A	N/A	N/A	N/A
104121	N/A	N/A	N/A	N/A
104122	N/A	N/A	N/A	N/A
104123	N/A	N/A	N/A	N/A
104124	N/A	N/A	N/A	N/A
104125	N/A	N/A	N/A	N/A
104126	N/A	N/A	N/A	N/A
104127	N/A	N/A	N/A	N/A
104128	N/A	N/A	N/A	N/A
104129	N/A	N/A	N/A	N/A
104130	N/A	N/A	N/A	N/A
104131	N/A	N/A	N/A	N/A
104132	N/A	N/A	N/A	N/A
104133	N/A	N/A	N/A	N/A
104134	N/A	N/A	N/A	N/A
104135	N/A	N/A	N/A	N/A
104136	N/A	N/A	N/A	N/A
104137	N/A	N/A	N/A	N/A
104138	N/A	N/A	N/A	N/A
104139	N/A	N/A	N/A	N/A
104140	N/A	N/A	N/A	N/A
104141	N/A	N/A	N/A	N/A
104142	N/A	N/A	N/A	N/A

104143	N/A	N/A	N/A	N/A
104144	N/A	N/A	N/A	N/A
104145	N/A	N/A	N/A	N/A
104146	N/A	N/A	N/A	N/A
104147	N/A	N/A	N/A	N/A
104148	N/A	N/A	N/A	N/A
104149	N/A	N/A	N/A	N/A
104150	N/A	N/A	N/A	N/A
104151	N/A	N/A	N/A	N/A
104152	N/A	N/A	N/A	N/A
104153	N/A	N/A	N/A	N/A
104154	N/A	N/A	N/A	N/A
104155	N/A	N/A	N/A	N/A
104156	N/A	N/A	N/A	N/A
104157	N/A	N/A	N/A	N/A
104158	N/A	N/A	N/A	N/A
104159	N/A	N/A	N/A	N/A
104160	N/A	N/A	N/A	N/A
104161	N/A	N/A	N/A	N/A
104162	N/A	N/A	N/A	N/A
104163	N/A	N/A	N/A	N/A
104164	N/A	N/A	N/A	N/A
104165	N/A	N/A	N/A	N/A
1060	Origin	Government	Destination	Government
106001	N/A	N/A	N/A	N/A
106002	N/A	N/A	N/A	N/A
106003	N/A	N/A	N/A	N/A
1061	Origin	Government	Destination	Government
106101	N/A	N/A	N/A	N/A
106102	N/A	N/A	N/A	N/A
106103	N/A	N/A	N/A	N/A
106104	N/A	N/A	N/A	N/A
106105	N/A	N/A	N/A	N/A
106106	N/A	N/A	N/A	N/A
106107	N/A	N/A	N/A	N/A
106108	N/A	N/A	N/A	N/A
106109	N/A	N/A	N/A	N/A
106110	N/A	N/A	N/A	N/A
106111	N/A	N/A	N/A	N/A
106112	N/A	N/A	N/A	N/A
106113	N/A	N/A	N/A	N/A
106114	N/A	N/A	N/A	N/A
106115	N/A	N/A	N/A	N/A
106116	N/A	N/A	N/A	N/A
106117	N/A	N/A	N/A	N/A
106118	N/A	N/A	N/A	N/A
106119	N/A	N/A	N/A	N/A
106120	N/A	N/A	N/A	N/A
106121	N/A	N/A	N/A	N/A
106122	N/A	N/A	N/A	N/A
1080	Origin	Government	Destination	Government
108001	N/A	N/A	N/A	N/A
1700	Origin	Government	Destination	Government
170001	N/A	N/A	N/A	N/A
170002	N/A	N/A	N/A	N/A

170003	N/A	N/A	N/A	N/A
170004	N/A	N/A	N/A	N/A
170005	N/A	N/A	N/A	N/A
170006	N/A	N/A	N/A	N/A
170007	N/A	N/A	N/A	N/A
170008	N/A	N/A	N/A	N/A
1740	Origin	Government	Destination	Government
174001	N/A	N/A	N/A	N/A
174002	N/A	N/A	N/A	N/A
174003	N/A	N/A	N/A	N/A
174004	N/A	N/A	N/A	N/A
174005	N/A	N/A	N/A	N/A
174006	N/A	N/A	N/A	N/A
174007	N/A	N/A	N/A	N/A
174008	N/A	N/A	N/A	N/A
1760	Origin	Government	Destination	Government
7500	Origin	Government	Destination	Government
750001	N/A	N/A	N/A	N/A
7990	Origin	Government	Destination	Government
7991	Destination	Government	Destination	Government

Section F - Deliveries or Performance

DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	DODAAC / CAGE
1000	POP 05-JAN-2018 TO 30-SEP-2019	N/A	MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 FOB: Destination	HQ0796
100001	N/A	N/A	N/A	N/A
100002	N/A	N/A	N/A	N/A
100003	N/A	N/A	N/A	N/A
100004	N/A	N/A	N/A	N/A
100005	N/A	N/A	N/A	N/A
100006	N/A	N/A	N/A	N/A
100007	N/A	N/A	N/A	N/A
100008	N/A	N/A	N/A	N/A
100009	N/A	N/A	N/A	N/A
100010	N/A	N/A	N/A	N/A
100011	N/A	N/A	N/A	N/A
100012	N/A	N/A	N/A	N/A
100013	N/A	N/A	N/A	N/A
100014	N/A	N/A	N/A	N/A
100015	N/A	N/A	N/A	N/A
100016	N/A	N/A	N/A	N/A
100017	N/A	N/A	N/A	N/A
100018	N/A	N/A	N/A	N/A
100019	N/A	N/A	N/A	N/A

100020	N/A	N/A	N/A	N/A
100021	N/A	N/A	N/A	N/A
100022	N/A	N/A	N/A	N/A
100023	N/A	N/A	N/A	N/A
100024	N/A	N/A	N/A	N/A
100025	N/A	N/A	N/A	N/A
100026	N/A	N/A	N/A	N/A
100027	N/A	N/A	N/A	N/A
100028	N/A	N/A	N/A	N/A
100029	N/A	N/A	N/A	N/A
100030	N/A	N/A	N/A	N/A
100031	N/A	N/A	N/A	N/A
100032	N/A	N/A	N/A	N/A
100033	N/A	N/A	N/A	N/A
100034	N/A	N/A	N/A	N/A
100035	N/A	N/A	N/A	N/A
100036	N/A	N/A	N/A	N/A
100037	N/A	N/A	N/A	N/A
100038	N/A	N/A	N/A	N/A
100039	N/A	N/A	N/A	N/A
100040	N/A	N/A	N/A	N/A
100041	N/A	N/A	N/A	N/A
100042	N/A	N/A	N/A	N/A
100043	N/A	N/A	N/A	N/A
100044	N/A	N/A	N/A	N/A
100045	N/A	N/A	N/A	N/A
100046	N/A	N/A	N/A	N/A

100047	N/A	N/A	N/A	N/A
100048	N/A	N/A	N/A	N/A
100049	N/A	N/A	N/A	N/A
100050	N/A	N/A	N/A	N/A
100051	N/A	N/A	N/A	N/A
100052	N/A	N/A	N/A	N/A
100053	N/A	N/A	N/A	N/A
100054	N/A	N/A	N/A	N/A
100055	N/A	N/A	N/A	N/A
100056	N/A	N/A	N/A	N/A
100057	N/A	N/A	N/A	N/A
100058	N/A	N/A	N/A	N/A
100059	N/A	N/A	N/A	N/A
100060	N/A	N/A	N/A	N/A
100061	N/A	N/A	N/A	N/A
100062	N/A	N/A	N/A	N/A
100063	N/A	N/A	N/A	N/A
100064	N/A	N/A	N/A	N/A
100065	N/A	N/A	N/A	N/A
100066	N/A	N/A	N/A	N/A
100067	N/A	N/A	N/A	N/A
100068	N/A	N/A	N/A	N/A
100069	N/A	N/A	N/A	N/A
100070	N/A	N/A	N/A	N/A
100071	N/A	N/A	N/A	N/A
100072	N/A	N/A	N/A	N/A
100073	N/A	N/A	N/A	N/A
100074	N/A	N/A	N/A	N/A

100075	N/A	N/A	N/A	N/A
100076	N/A	N/A	N/A	N/A
100077	N/A	N/A	N/A	N/A
100078	N/A	N/A	N/A	N/A
100079	N/A	N/A	N/A	N/A
100080	N/A	N/A	N/A	N/A
100081	N/A	N/A	N/A	N/A
100082	N/A	N/A	N/A	N/A
100083	N/A	N/A	N/A	N/A
100084	N/A	N/A	N/A	N/A
100085	N/A	N/A	N/A	N/A
100086	N/A	N/A	N/A	N/A
100087	N/A	N/A	N/A	N/A
100088	N/A	N/A	N/A	N/A
100089	N/A	N/A	N/A	N/A
100090	N/A	N/A	N/A	N/A
100091	N/A	N/A	N/A	N/A
100092	N/A	N/A	N/A	N/A
100093	N/A	N/A	N/A	N/A
100094	N/A	N/A	N/A	N/A
100095	N/A	N/A	N/A	N/A
100096	N/A	N/A	N/A	N/A
100097	N/A	N/A	N/A	N/A
100098	N/A	N/A	N/A	N/A
100099	N/A	N/A	N/A	N/A

1001	POP 05-JAN-2018 TO 30-SEP-2019	N/A	MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 FOB: Destination	HQ0796
100101	N/A	N/A	N/A	N/A
100102	N/A	N/A	N/A	N/A
100103	N/A	N/A	N/A	N/A
100104	N/A	N/A	N/A	N/A
100105	N/A	N/A	N/A	N/A
100106	N/A	N/A	N/A	N/A
100107	N/A	N/A	N/A	N/A
100108	N/A	N/A	N/A	N/A
100109	N/A	N/A	N/A	N/A
100110	N/A	N/A	N/A	N/A
100111	N/A	N/A	N/A	N/A
100112	N/A	N/A	N/A	N/A
100113	N/A	N/A	N/A	N/A
100114	N/A	N/A	N/A	N/A
100115	N/A	N/A	N/A	N/A
100116	N/A	N/A	N/A	N/A
100117	N/A	N/A	N/A	N/A
100118	N/A	N/A	N/A	N/A
100119	N/A	N/A	N/A	N/A
100120	N/A	N/A	N/A	N/A
100121	N/A	N/A	N/A	N/A
100122	N/A	N/A	N/A	N/A
100123	N/A	N/A	N/A	N/A
100124	N/A	N/A	N/A	N/A

100125	N/A	N/A	N/A	N/A
100126	N/A	N/A	N/A	N/A
100127	N/A	N/A	N/A	N/A
100128	N/A	N/A	N/A	N/A
100129	N/A	N/A	N/A	N/A
100130	N/A	N/A	N/A	N/A
100131	N/A	N/A	N/A	N/A
100132	N/A	N/A	N/A	N/A
100133	N/A	N/A	N/A	N/A
100134	N/A	N/A	N/A	N/A
100135	N/A	N/A	N/A	N/A
100136	N/A	N/A	N/A	N/A
100137	N/A	N/A	N/A	N/A
100138	N/A	N/A	N/A	N/A
100139	N/A	N/A	N/A	N/A
100140	N/A	N/A	N/A	N/A
100141	N/A	N/A	N/A	N/A
100142	N/A	N/A	N/A	N/A
100143	N/A	N/A	N/A	N/A
100144	N/A	N/A	N/A	N/A
100145	N/A	N/A	N/A	N/A
100146	N/A	N/A	N/A	N/A
100147	N/A	N/A	N/A	N/A
100148	N/A	N/A	N/A	N/A
100149	N/A	N/A	N/A	N/A
100150	N/A	N/A	N/A	N/A
100151	N/A	N/A	N/A	N/A
100152	N/A	N/A	N/A	N/A

100153	N/A	N/A	N/A	N/A
100154	N/A	N/A	N/A	N/A
100155	N/A	N/A	N/A	N/A
100156	N/A	N/A	N/A	N/A
100157	N/A	N/A	N/A	N/A
100158	N/A	N/A	N/A	N/A
100159	N/A	N/A	N/A	N/A
100160	N/A	N/A	N/A	N/A
100161	N/A	N/A	N/A	N/A
100162	N/A	N/A	N/A	N/A
100163	N/A	N/A	N/A	N/A
100164	N/A	N/A	N/A	N/A
100165	N/A	N/A	N/A	N/A
100166	N/A	N/A	N/A	N/A
100167	N/A	N/A	N/A	N/A
100168	N/A	N/A	N/A	N/A
100169	N/A	N/A	N/A	N/A
100170	N/A	N/A	N/A	N/A
100171	N/A	N/A	N/A	N/A
100172	N/A	N/A	N/A	N/A
100173	N/A	N/A	N/A	N/A
100174	N/A	N/A	N/A	N/A
100175	N/A	N/A	N/A	N/A
100176	N/A	N/A	N/A	N/A
100177	N/A	N/A	N/A	N/A
100178	N/A	N/A	N/A	N/A
100179	N/A	N/A	N/A	N/A

100180	N/A	N/A	N/A	N/A
100181	N/A	N/A	N/A	N/A
100182	N/A	N/A	N/A	N/A
100183	N/A	N/A	N/A	N/A
100184	N/A	N/A	N/A	N/A
100185	N/A	N/A	N/A	N/A
100186	N/A	N/A	N/A	N/A
100187	N/A	N/A	N/A	N/A
100188	N/A	N/A	N/A	N/A
100189	N/A	N/A	N/A	N/A
100190	N/A	N/A	N/A	N/A
100191	N/A	N/A	N/A	N/A
100192	N/A	N/A	N/A	N/A
1002	POP 05-MAR-2018 TO 04-MAR-2019	N/A	MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 8091 2-7300 FOB: Destination	HQ0796
100201	N/A	N/A	N/A	N/A
1003	POP 11-MAR-2019 TO 30-SEP-2019	N/A	MISSILE DEFENSE AGENCY (MDA) (b)(6) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 8091 2-7300 (b)(6) FOB: Destination	HQ0796
100301	N/A	N/A	N/A	N/A
1040	30-SEP-2019	1	MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 8091 2-7300 FOB: Destination	HQ0796
104001	N/A	N/A	N/A	N/A

104002	N/A	N/A	N/A	N/A
104003	N/A	N/A	N/A	N/A
104004	N/A	N/A	N/A	N/A
104005	N/A	N/A	N/A	N/A
104006	N/A	N/A	N/A	N/A
104007	N/A	N/A	N/A	N/A
104008	N/A	N/A	N/A	N/A
104009	N/A	N/A	N/A	N/A
104010	N/A	N/A	N/A	N/A
104011	N/A	N/A	N/A	N/A
104012	N/A	N/A	N/A	N/A
104013	N/A	N/A	N/A	N/A
104014	N/A	N/A	N/A	N/A
104015	N/A	N/A	N/A	N/A
104016	N/A	N/A	N/A	N/A
104017	N/A	N/A	N/A	N/A
104018	N/A	N/A	N/A	N/A
104019	N/A	N/A	N/A	N/A
104020	N/A	N/A	N/A	N/A
104021	N/A	N/A	N/A	N/A
104022	N/A	N/A	N/A	N/A
104023	N/A	N/A	N/A	N/A
1041	30-SEP-2019	1	MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 FOB: Destination	HQ0796
104101	N/A	N/A	N/A	N/A
104102	N/A	N/A	N/A	N/A

104103	N/A	N/A	N/A	N/A
104104	N/A	N/A	N/A	N/A
104105	N/A	N/A	N/A	N/A
104106	N/A	N/A	N/A	N/A
104107	N/A	N/A	N/A	N/A
104108	N/A	N/A	N/A	N/A
104109	N/A	N/A	N/A	N/A
104110	N/A	N/A	N/A	N/A
104111	N/A	N/A	N/A	N/A
104112	N/A	N/A	N/A	N/A
104113	N/A	N/A	N/A	N/A
104114	N/A	N/A	N/A	N/A
104115	N/A	N/A	N/A	N/A
104116	N/A	N/A	N/A	N/A
104117	N/A	N/A	N/A	N/A
104118	N/A	N/A	N/A	N/A
104119	N/A	N/A	N/A	N/A
104120	N/A	N/A	N/A	N/A
104121	N/A	N/A	N/A	N/A
104122	N/A	N/A	N/A	N/A
104123	N/A	N/A	N/A	N/A
104124	N/A	N/A	N/A	N/A
104125	N/A	N/A	N/A	N/A
104126	N/A	N/A	N/A	N/A
104127	N/A	N/A	N/A	N/A
104128	N/A	N/A	N/A	N/A
104129	N/A	N/A	N/A	N/A
104130	N/A	N/A	N/A	N/A

104131	N/A	N/A	N/A	N/A
104132	N/A	N/A	N/A	N/A
104133	N/A	N/A	N/A	N/A
104134	N/A	N/A	N/A	N/A
104135	N/A	N/A	N/A	N/A
104136	N/A	N/A	N/A	N/A
104137	N/A	N/A	N/A	N/A
104138	N/A	N/A	N/A	N/A
104139	N/A	N/A	N/A	N/A
104140	N/A	N/A	N/A	N/A
104141	N/A	N/A	N/A	N/A
104142	N/A	N/A	N/A	N/A
104143	N/A	N/A	N/A	N/A
104144	N/A	N/A	N/A	N/A
104145	N/A	N/A	N/A	N/A
104146	N/A	N/A	N/A	N/A
104147	N/A	N/A	N/A	N/A
104148	N/A	N/A	N/A	N/A
104149	N/A	N/A	N/A	N/A
104150	N/A	N/A	N/A	N/A
104151	N/A	N/A	N/A	N/A
104152	N/A	N/A	N/A	N/A
104153	N/A	N/A	N/A	N/A
104154	N/A	N/A	N/A	N/A
104155	N/A	N/A	N/A	N/A
104156	N/A	N/A	N/A	N/A
104157	N/A	N/A	N/A	N/A

104158	N/A	N/A	N/A	N/A
104159	N/A	N/A	N/A	N/A
104160	N/A	N/A	N/A	N/A
104161	N/A	N/A	N/A	N/A
104162	N/A	N/A	N/A	N/A
104163	N/A	N/A	N/A	N/A
104164	N/A	N/A	N/A	N/A
104165	N/A	N/A	N/A	N/A
1060	30-SEP-2019	1	MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 FOB: Destination	HQ0796
106001	N/A	N/A	N/A	N/A
106002	N/A	N/A	N/A	N/A
106003	N/A	N/A	N/A	N/A
1061	30-SEP-2019	1	MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 FOB: Destination	HQ0796
106101	N/A	N/A	N/A	N/A
106102	N/A	N/A	N/A	N/A
106103	N/A	N/A	N/A	N/A
106104	N/A	N/A	N/A	N/A
106105	N/A	N/A	N/A	N/A
106106	N/A	N/A	N/A	N/A
106107	N/A	N/A	N/A	N/A
106108	N/A	N/A	N/A	N/A
106109	N/A	N/A	N/A	N/A
106110	N/A	N/A	N/A	N/A

106111	N/A	N/A	N/A	N/A
106112	N/A	N/A	N/A	N/A
106113	N/A	N/A	N/A	N/A
106114	N/A	N/A	N/A	N/A
106115	N/A	N/A	N/A	N/A
106116	N/A	N/A	N/A	N/A
106117	N/A	N/A	N/A	N/A
106118	N/A	N/A	N/A	N/A
106119	N/A	N/A	N/A	N/A
106120	N/A	N/A	N/A	N/A
106121	N/A	N/A	N/A	N/A
106122	N/A	N/A	N/A	N/A
1080	04-JUL-2019	1	MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 FOB: Destination	HQ0796
108001	N/A	N/A	N/A	N/A
1700	POP 05-JAN-2018 TO 04-JUL-2019	N/A	MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 FOB: Destination	HQ0796
170001	N/A	N/A	N/A	N/A
170002	N/A	N/A	N/A	N/A
170003	N/A	N/A	N/A	N/A
170004	N/A	N/A	N/A	N/A
170005	N/A	N/A	N/A	N/A
170006	N/A	N/A	N/A	N/A
170007	N/A	N/A	N/A	N/A

170008	N/A	N/A	N/A	N/A
1740	04-JUL-2019	1	MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 FOB: Destination	HQ0796
174001	N/A	N/A	N/A	N/A
174002	N/A	N/A	N/A	N/A
174003	N/A	N/A	N/A	N/A
174004	N/A	N/A	N/A	N/A
174005	N/A	N/A	N/A	N/A
174006	N/A	N/A	N/A	N/A
174007	N/A	N/A	N/A	N/A
174008	N/A	N/A	N/A	N/A
1760	04-JUL-2019	1	MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 FOB: Destination	HQ0796
7500	POP 18-MAY-2018 TO 04-JUL-2019	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796
750001	N/A	N/A	N/A	N/A
7990	POP 05-JAN-2018 TO 04-JUL-2019	N/A	MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 FOB: Destination	HQ0796
7991	POP 05-JAN-2018 TO 04-JUL-2019	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796

Section G - Contract Administration Data

LIMITATION OF FUNDS SCHEDULE

Pursuant to the "Limitation of Funds" clause (FAR 52.232-22), the total sum presently available for payment by the Government and allotted each contract line item is:

CLIN	Funding	Fee	Total Funding	Estimated Run Out Date
1000	(b)(4)			13-May-19
1040				21-Apr-19
1060				19-Feb-19
1001				27-Mar-19
1002				4-Jul-19
1003				4-Jul-19
1041				20-Jun-19
1061				15-Jan-19
1700				28-Oct-18
1740				9-Apr-19
1080				4-Jul-19
7500				4-Jul-19

The contractor shall invoice all CLINs (except 7500) in accordance with DFARS 252.204-0003 Line Item Specific: Contracting Officer Specified ACRN Order (SEP 2009).

BILLING INSTRUCTIONS

Payments for CLINs 1000, 1040, 1060, 1080, 1001, 1002, 1003, 1041, 1061, 1700, 1740 and 1760 will be made in accordance with FAR 52.216-7, Allowable Cost and Payment. Payments and the fee payable under the task order are subject to adjustments in accordance with FAR 52.216-10, Incentive Fee, and performance assessments conducted in accordance with the IRES Performance Evaluation and Incentive Plan (Attachment J-06).

In accordance with FAR 52.216-10 (c)(1), the Contractor is authorized to bill fee by contract line item number (CLIN) not to exceed the following: (b)(4) x (cost billed against the CLIN to date, including this voucher). Overbilling of fee as a result of this change in the billing instructions shall not be refunded to the Government, unless the overbilling cannot be corrected any other way. Instead, fee shall not be billed until the contractor is no longer in an overbilling status. The Contractor shall show the fee calculation by line item on each voucher.

The contractor's vouchers against all CLINs (except 7500, 7990 and 7991) shall be consistent with 252.204-0003 (ACRN clause).

CLIN 7500 shall be billed for each project after the Government has accepted the project Close-out Acceptance Form (CAF)

All task order CPIF CLINs are combined and considered a single entity for the purpose of administering the cost and performance incentives identified in the IRES PEIP (Contract Attachment J-06).

WAWF email notifications. In accordance with 252.232-7006, the Contractor shall enter the following email addresses in the "Send Additional Email Notifications" field of WAWF once a document is submitted in the system:

CLIN 7500 (b)(6)

CLIN 7990 (b)(6)

CLIN 7991 (b)(6)

## ACCOUNTING AND APPROPRIATION DATA

AA: 044411 097 0400 000 N 20182019 D 2520 Z 4 SC30P_FY18 AMOUNT: (b)(4)	IT-211A-FY1819	711C	255
AB: 044411 097 0400 000 N 20182019 D 2520 Z 4 SC30P_FY18 AMOUNT: (b)(4)	IT-211D-FY1819	711C	310
AC: 044411 097 0400 000 N 20182019 D 2520 Z 4 SC30P_FY18 AMOUNT: (b)(4)	IT-211E-FY1819	711C	310
AD: 044411 097 0400 000 N 20182019 D 2520 XI_SD01P_FY18 B3-BDVNP-FY1819 71BC 255 AMOUNT: (b)(4)			
AE: 044411 097 0400 000 N 20182019 D 2520 XI_SD01P_FY18 AMOUNT: (b)(4)	B3-BDVNP-FY1819	71BC	310
AF: 044411 097 0400 000 N 20172018 D 2520 XU_SD20P_FY17 AMOUNT: (b)(4)	UT-FT-FY1718	711P	255
AG: 044411 097 0400 000 N 20172018 D 2520 XU_SD20P_FY17 AMOUNT: (b)(4)	UT-FT-FY1718	711P	310
AH: 044411 097 0400 000 N 20172018 D 2520 X 3_SD08P_FY17 01-GME-FY1718 71GM 255 AMOUNT: (b)(4)			
AJ: 044411 097 0400 000 N 20172018 D 2520 X3_SD08P_FY17 AMOUNT: (b)(4)	01-GME-FY1718	71GM	310
AK: 044411 097 0400 000 N 20182019 D 2520 Z 4 SC30P_FY18 AMOUNT: (b)(4)	IT-211A-FY1819	711C	255
AL: 044411 097 0400 000 N 20182019 D 2520 YF_SC04P_FY18 AMOUNT: (b)(4)	DT-18700-FY1819	71DT	255
AM: 044411 097 0400 000 N 20182019 D 2520 YF_SC04P_FY18 AMOUNT: (b)(4)	DT-18700-FY1819	71DT	310
AN: 044411 097 0400 000 N 20172018 D 2520 YF_SC04P_FY17 AMOUNT: (b)(4)	DT-18700-FY1718	71DT	255
AP: 044411 097 0400 000 N 20182019 D 2520 X C_SD09P_FY18 SE-00-FY1819 71DE 255 AMOUNT: (b)(4)			
AQ: 044411 097 0400 000 N 20182019 D 2520 XC_SD09P_FY18 AMOUNT: (b)(4)	SE-00-FY1819	71DE	310
AR: 044411 097 0400 000 N 20182019 D 2520 XI_SX01P_FY18 AMOUNT: (b)(4)	B2-BCONP-FY1819	71BC	255
AS: 044411 097 0400 000 N 20182019 D 2520 XI_SX01P_FY18 AMOUNT: (b)(4)	B2-BCONP-FY1819	71BC	310
AT: 044411 097 0400 000 N 20182019 D 2520 ZD_SD29P_FY18 AMOUNT: (b)(4)	ST-00-FY1819	71DV	255
AU: 044411 097 0400 000 N 20182019 D 2520 S2_ST07P_FY18 ET-00T4-FY1819 71TH 255 AMOUNT: (b)(4)			
AV: 044411 097 0400 000 N 20182019 D 2520 S2_ST07P_FY18 AMOUNT: (b)(4)	ET-00T4-FY1819	71TH	310

AMOUNT: (b)(4)			
AW: 044411 097 0400 000 N 20182019 D 2520 X K_ST03P_FY18 AMOUNT: (b)(4)	DT-X2-FY1819	71DT	255
AX: 044411 097 0400 000 N 20182019 D 2520 X K_ST03P_FY18 AMOUNT: (b)(4)	DT-X2-FY1819	71DT	310
AY: 044411 097 0400 000 N 20182018 D 25202P_SO08P_FY18 AMOUNT: (b)(4)	GM-GMS-FY1818	71GM	233
AZ: 044411 097 0400 000 N 20182018 D 2520 2P_SO08P_FY18 AMOUNT: (b)(4)	GM-GMS-FY1818	71GM	310
BA: 044411 097 0400 000 N 20182019 D 2520 X3_SD08P_FY18 AMOUNT: (b)(4)	IT-00-FY1819	71IC	310
BB: 044411 097 0400 000 N 20182019 D 2520 X P_SX46P_FY18 AMOUNT: (b)(4)	IT-00-FY1819	71IC	310
BC: 044411 097 0400 000 N 20182019 D 2520 Y Y_SD99P_FY18 AMOUNT: (b)(4)	IT-00-FY1819	71IC	310
BD: 044411 097 0400 000 N 20182019 D 2520 S V_SD12P_FY18 AMOUNT: (b)(4)	IT-00-FY1819	71IC	310
BE: 044411 097 0400 000 N 20182019 D 2520 S S_SD33P_FY18 AMOUNT: (b)(4)	IT-00-FY1819	71IC	310
BF: 044411 097 0400 000 N 20182019 D 2520 Y F_ST04P_FY18 AMOUNT: (b)(4)	DT-IA-FY1819	71DT	255
BG: 044411 097 0400 000 N 20182019 D 2520 Y F_ST04P_FY18 AMOUNT: (b)(4)	DT-IA-FY1819	71DT	310
BH: 044411 097 0400 000 N 20182019 D 2520 Z 4_SD30P_FY18 AMOUNT: (b)(4)	IT-211D-FY1819	71IC	310
BI: 044411 097 0400 000 N 20182019 D 2520 Z 4_SD30P_FY18 AMOUNT: (b)(4)	IT-211E-FY1819	71IC	310
BK: 044411 097 0400 000 N 20182019 D 2520 Y E_ST04P_FY18 AMOUNT: (b)(4)	DT-B02H-FY1819	71DT	255
BL: 044411 097 0400 000 N 20182019 D 2520 Y F_ST04P_FY18 AMOUNT: (b)(4)	DT-B02H-FY1819	71DT	310
BM: 044411 097 0400 000 N 20182019 D 2520 S V_SD12P_FY18 AMOUNT: (b)(4)	A1-D0-FY1819	71SS	255
BN: 044411 097 0400 000 N 20172018 D 2520 X U_SD26P_FY17 AR-FT-FY1718 711P 255 AMOUNT: (b)(4)			
BP: 044411 097 0400 000 N 20172018 D 2520 X U_SD26 P_FY17 AMOUNT: (b)(4)	AR-FT-FY1718	711P	310
BQ: 044411 097 0400 000 N 20182019 D 2520 X3_SC08P_FY18 AMOUNT: (b)(4)	GL-IOB-FY1819	71GM	255
BR: 044411 097 0400 000 N 20182019 D 2520 X3_SC08P_FY18 AMOUNT: (b)(4)	GL-IOB-FY1819	71GM	310
BS: 044411 097 0400 000 N 20182019 D 2520 Y Y_SD98P_FY18 AMOUNT: (b)(4)	DE-10-FY1819	71DV	255

BT: 04441 097 0400 000 N 20182019 D 2520 YY_SD98P_FY18 AMOUNT: (b)(4)	DE-10-FY1819	71DV	310
BU: 97804 00 2520 18 00 2520 40603891C00 255X S12109 MD8D27PA0C0140 820004 AMOUNT: (b)(4)			
BV: 04441 097 0400 000 N 20172018 D 2520 Y G_SD40R_FY17 AMOUNT: (b)(4)	IO-00-FY1718	71MH	255
BW: 04441 097 0400 000 N 20172018 D 2520 Y G_SD40R_FY17 AMOUNT: (b)(4)	IO-00-FY1718	71MH	310
BX: 04441 097 0400 000 N 20172018 D 2520 Z4_SD31P_FY17 AMOUNT: (b)(4)	ES-00-FY1718	71DE	255
BY: 04441 097 0400 000 N 20172018 D 2520 XC_SD40P_FY17 AMOUNT: (b)(4)	IO-F0SRM-FY1718	71MH	310
BZ: 04441 097 0400 000 N 20172018 D 2520 X3_SD08P_FY17 AMOUNT: (b)(4)	ES-00-FY1718	71DE	255
CA: 04441 097 0400 000 N 20182019 D 2520 XU_SD20P_FY18 AMOUNT: (b)(4)	UT-J0-FY1819	71IP	255
CB: 04441 097 0400 000 N 20182019 D 2520 XU_SD20P_FY18 AMOUNT: (b)(4)	UT-J0-FY1819	71IP	310
CC: 04441 097 0100 000 N 20182018 D 2520 2P_SD11P_FY18 AMOUNT: (b)(4)	OM-02SNS-FY1818	71SN	233
CD: 04441 097 0100 000 N 20182018 D 2520 2P_SD11P_FY18 AMOUNT: (b)(4)	OM-02SNS-FY1818	71SN	310
CE: 04441 097 0400 000 N 20172018 D 2520 YF_ST04P_FY17 AMOUNT: (b)(4)	DT-DTFIC-FY1718	71DT	255
CF: 04441 097 0400 000 N 20172018 D 2520 YF_ST04P_FY17 AMOUNT: (b)(4)	DT-T9-FY1718	71DT	255
CG: 04441 097 0400 000 N 20172018 D 2520 YF_ST04P_FY17 AMOUNT: (b)(4)	DT-T16-FY1718	71DT	255
CH: 04441 097 0400 000 N 20172018 D 2520 YF_ST04P_FY17 AMOUNT: (b)(4)	DT-ARCS-FY1718	71DT	255
CI: 04441 097 0400 000 N 20172018 D 2520 Z4_SD24P_FY17 AMOUNT: (b)(4)	DT-IA-FY1718	71DT	255
CK: 04441 097 0400 000 N 20172018 D 2520 YF_ST04P_FY17 AMOUNT: (b)(4)	DT-IA-FY1718	71DT	255
CL: 04441 097 0400 000 N 20172018 D 2520 YF_SC04P_FY17 AMOUNT: (b)(4)	DT-DNOSC-FY1718	71DT	255
CM: 04441 097 0400 000 N 20182019 D 2520 X3_SD08P_FY18 AMOUNT: (b)(4)	01-10-FY1819	71GM	255
CN: 04441 097 0400 000 N 20182019 D 2520 X3_SD08P_FY18 AMOUNT: (b)(4)	01-10-FY1819	71GM	310
CP: 04441 097 0400 000 N 20182019 D 2520 Y Y_ST99P_FY18 AMOUNT: (b)(4)	DV-A0-FY1819	71DV	255
CQ: 04441 097 0400 000 N 20182019 D 2520 Y Y_ST99P_FY18 AMOUNT: (b)(4)	DV-A0-FY1819	71DV	310

CR: 977040 2520 18 BM 2520 4060389IC00 255X S12109 MD7D27PA0C0361 720002  
AMOUNT: (b)(4)

CS: 044411 097 0400 000 N 20182019 D 2520Z4\_SD28P\_FY18 TI00-FY1819 7IDE 255  
AMOUNT: (b)(4)

CT: 044411 097 0400 000 N 20172018 D 2520 XC\_SD40P\_FY17 IO-10DSS-FY1718 7IMH 255  
AMOUNT: (b)(4)

CU: 044411 097 0400 000 N 20172018 D 2520 X C\_SD40P\_FY17 IO-10DSS-FY1718 7IMH 310  
AMOUNT: (b)(4)

CV: 044411 097 0400 000 N 20172018 D 2520 Y U\_SD40P\_FY17 IO-A0DSS-FY1718 7IMH 255  
AMOUNT: (b)(4)

CW: 044411 097 0400 000 N 20182019 D 2520 S C\_ST09PF\_Y18 AT-125B4-FY1819 7IAB 255  
AMOUNT: (b)(4)

CX: 044411 097 0400 000 N 20182019 D 2520 Y 3\_SD97P\_FY18 GM-IT-FY1819 7IGM 255  
AMOUNT: (b)(4)

CY: 044411 097 0400 000 N 20182019 D 2520 Y 3\_SD97P\_FY18 GM-IT-FY1819 7IGM 310  
AMOUNT: (b)(4)

CZ: 044411 097 0400 000 N 20172018 D 2520 Y U\_SD40S\_FY17 DX-DXDS-FY1718 7IMH 255  
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DB: 044411 097 0400 000 N 20182019 D 2520 S2\_ST07P\_FY18 ET-00T1-FY1819 7ITH 255  
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DC: 97-11X8242 2862 0007462200659162DPJAX44718080200ASK 065916  
AMOUNT: (b)(4)

DD: 978040 2520 18 BM 2520 4060389IC00 255Y S12109 MD8D27PA0C0172 820004  
AMOUNT: (b)(4)

DE: 044411 097 0400 000 N 20182019 D 2520 Z4\_SC30P\_FY18 IT-C411A-FY1819 7IIC 310  
AMOUNT: (b)(4)

DF: 044411 097 0400 000 N 20182019 D 2520 Z4\_SC30P\_FY18 IT-411A-FY1819 7IIC 310  
AMOUNT: (b)(4)

DG: 044411 097 0400 000 N 20182019 D 2520 Z 4\_SC30P\_FY18 IT-511A-FY1819 7IIC 310  
AMOUNT: (b)(4)

DH: 978040 2520 18 BM 2520 4060389IC00 255X S12109 MD8D27PA0P0159 820004  
AMOUNT: (b)(4)

DJ: 044411 097 0400 000 N 20182019 D 2520X5\_SD11P\_FY18 S2-SNESP-FY1819 7ISN 255  
AMOUNT: (b)(4)

DK: 044411 097 0400 000 N 20182019 D 2520 X5\_SD11P\_FY18 S2-SNESP-FY1819 7ISN 310  
AMOUNT: (b)(4)

DL: 044411 097 0400 000 N 20182019 D 2520 Z4\_SD31P\_FY18 ES-00-FY1819 7IDE 255  
AMOUNT: (b)(4)

DM: 044411 097 0400 000 N 20182019 D 2520 Z4\_SD31P\_FY18 ES-00-FY1819 7IDE 310  
AMOUNT: (b)(4)

DN: 978040 2520 18 BM 2520 4060389IC00 255X S12109 MD8D27PA0C0167 820004  
AMOUNT: (b)(4)

DP: 044411 097 0400 000 N 20182019 D 2520 X C\_SC09P\_FY18 AB-I15CB-FY1819 7IAB 255

AMOUNT: (b)(4)

DQ: 04441 097 0400 000 N 20182019 D 2520 XC\_SC09P\_FY18 AB-115CB-FY1819 71AB 310  
AMOUNT: (b)(4)

DR: 04441 097 0400 000 N 20182019 D 2520 XC\_SX09P\_FY18 AB-115AS-FY1819 71AB 255  
AMOUNT: (b)(4)

DS: 04441 097 0400 000 N 20182019 D 2520 XC\_SX09P\_FY18 AB-115AS-FY1819 71AB 310  
AMOUNT: (b)(4)

DT: 9780400 2520 18 2520 40603891C00255X S12109 MD8D27PA0C0183 820004  
AMOUNT: (b)(4)

DU: 021201820182020000 A36CC 432169FASP 253F0011151369 021001  
AMOUNT: (b)(4)

DV: 5783600 298 6045 67 312031004F 81904 659900  
AMOUNT: (b)(4)

DW: 04441 097 0400 000 N 20172018 D 2520 XC\_SD40P\_FY17 IO-A0HB-FY1718 71MH 255  
AMOUNT: (b)(4)

DX: 04441 097 0400 000 N 20172018 D 2520 XC\_SD40P\_FY17 IO-A0HB-FY1718 71MH 310  
AMOUNT: (b)(4)

DY: 04441 097 0400 000 N 20182019 D 2520 YG\_ST05P\_FY18 RE-U23-FY1819 71TC 255  
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DZ: 04441 097 0400 000 N 20182019 D 2520 YG\_ST05P\_FY18 RE-06-FY1819 71TC 255  
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EA: 04441 097 0400 000 N 20182019 D 2520 YG\_ST05P\_FY18 RE-06-FY1819 71TC 310  
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EB: 04441 097 0400 000 N 20182019 D 2520 YG\_ST05P\_FY18 RE-U23-FY1819 71TC 310  
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EH: 04441 097 0400 000 N 20182019 D 2520 XI\_SC01P\_FY18 B3-BDVNP-FY1819 71BC 255  
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EJ: 04441 097 0400 000 N 20182019 D 2520 XI\_SC01P\_FY18 B3-BDVNP-FY1819 71BC 310  
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AMOUNT: (b)(4)

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GD: 044411 097 0400 000 N 20182019 D 2520 YF_ST04P_FY18 AMOUNT: (b)(4)	DT-H3-FY1819	71DT	310
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GK: 04441   097   0400 000 N 20182019 D 2520 S2_ST07P_FY18 AMOUNT: (b)(4)	ET-00T1-FY1819	71TH	310
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GZ: 04441   097   0400 000 N 20192020 D 2500 Z 4_SD28P_FY19 AMOUNT: (b)(4)	TI-01-FY1920	71DE	255
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AJ	I06103	HQ01478626410002	
AK	I00001	HQ01478628720001	
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CM	100025	HQ01478642970004
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GM	100085	HQ01479681380003
	100175	HQ01479681380001
GN	104156	HQ01479681380002
GP	100086	HQ01479685750004
	100192	HQ01479685750002
	104157	HQ01479685750002
GQ	100176	HQ01479685750001
	104165	HQ01479685750001
	106118	HQ01479685750003
GR	100177	HQ01479688190001
GS	100087	HQ01479688190002
GT	100088	HQ01479689070002

(b)(4)

	I00178	HQ01479689070001
GU	I00089	HQ01479682980002
	I00179	HQ01479682980001
GV	I00090	HQ01479686810002
	I00180	HQ01479686810001
GW	I00181	HQ01479689140001
GX	I04158	HQ01479689140002
GY	I00091	HQ01479689140003
GZ	I00092	HQ01479689770002
	I00182	HQ01479689770001
HA	I04159	HQ01479689800001
	I06119	HQ01479689800002
HB	I00093	HQ01479688810002
	I00183	HQ01479688810001
HC	I04160	HQ01479688810003
HD	I00094	HQ01479690630002
	I00184	HQ01479690630001
HE	I04161	HQ01479690630003
HF	I00095	HQ01479689810004
	I00185	HQ01479689810001
HG	I04162	HQ01479689810002
	I06120	HQ01479689810003
HH	I00096	HQ01479691070002
	I00186	HQ01479691070001
HJ	I04163	HQ01479691070003
	I06121	HQ01479691070004
HK	I00097	HQ01479691800002
	I00187	HQ01479691800001
HL	I00188	HQ01479694080001
HM	I00189	HQ01479694530001
HN	I00098	HQ01479685710004
	I00190	HQ01479685710001
HP	I04164	HQ01479685710002
	I06122	HQ01479685710003
HQ	I00099	HQ01479697890001
	I00191	HQ01479697890002
HR	I00301	HQ01479698250002

(b)(4)

#### CLAUSES INCORPORATED BY REFERENCE

52.232-22	Limitation Of Funds	APR 1984
252.211-7003	Item Unique Identification and Valuation	MAR 2016

#### CLAUSES INCORPORATED BY FULL TEXT

252.204-0003 LINE ITEM SPECIFIC: CONTRACTING OFFICER SPECIFIED ACRN ORDER. (SEP 2009)

The payment office shall make payment within the line item in the sequence ACRN order specified below, exhausting all funds in the previous ACRN before paying from the next ACRN.

Line Item	ACRN Order
-----------	------------

CLIN 1000	AL, AN, AP, AT, AW, BF, BK, BM, BN, BQ, BS, BV, BX, BZ, CA, CE, CF, CG, CH, CJ, CK, CL, CM, CP, CR, CS, CV, CW, CX, CZ, DB, DD, DH, DJ, DL, DP, DR, DV, DW, DY, DZ, EF,
-----------	---

EL, EP, ER, ET, EV, EW, EY, FA, FC, FD, FE, FJ, FK, FM, FQ, FS, FU, FV, FY, AK, GA, GB, GC, GJ, GL, GM, GP, GS, GT, GU, GV, GY, GZ, HB, HD, HF, HH, HK, HN, HQ

CLIN 1001 AD, AF, AH, AL, AP, AR, AT, AU, AW, BK, BM, BQ, BS, BU, BV, CA, CM, CP, CR, CS, CT, CW, CX, CZ, DB, DD, DH, DJ, DL, DN, DP, DR, DT, DV, DW, DZ, EH, EK, EL, EM, EP, ER, ET, EV, EW, EY, FA, FC, FD, FE, FG, FK, FM, FQ, FS, FV, FY, AA, GA, GB, GJ, GL, GM, GP, GR, GT, GU, GV, GW, GZ, HB, HD, HF, HH, HK, HL, HM, HN, HQ

CLIN 1002 AK

CLIN 1003 HR

CLIN 1040 BG, AQ, BP, BA, BB, BC, BD, BE, BH, DF, DG, DQ, EB, FT, FU, AB, GD, GE, GF, GG, GH

CLIN 1041 AE, AG, AM, AQ, AV, AX, BL, BR, BT, BU, BW, BY, CB, CN, CQ, CR, CU, CY, DH, DK, DM, DQ, DS, DV, DX, EA, EG, EJ, EM, EN, EQ, ES, EU, EX, EZ, FB, FC, FE, FH, FL, FN, FR, FW, AB, FZ, GK, GN, GQ, GX, HA, HC, HE, HG, HJ, HP

CLIN 1060 BJ, FI, GF

CLIN 1061 AC, AG, AJ, AQ, AS, BR, CN, CU, CY, DH, DQ, EG, EM, EN, EU, EX, FE, GQ, GX, HA, HG, HJ, HP

CLIN 1080 DE

CLIN 1700 AY, CC, DU, EC, FP, FX

CLIN 1740 AZ, CD, DU, ED, FP, FX

CLIN 7500 DC

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(End of clause)

Section J - List of Documents, Exhibits and Other Attachments

Exhibit/Attachment Table of Contents

DOCUMENT TYPE	DESCRIPTION	PAGES	DATE
Attachment I	20181106_18F8700_PWS44		06-NOV-2018
Attachment A	20181106_18F8700_PWS67 _Rev D_Attachment A_Conformed		06-NOV-2018
Attachment B	20180626_18F8700_PWS1 Attachment B		26-JUN-2018

Missile Defense Agency (MDA)

**Integrated Research and Development for Enterprise Solutions (IRES)**

Contractor Number:

**HQ0796-17-D-0001**

Task Order Title:

**Information Technology (IT) Project Solutions**

Task Order Number:

**18F8700**

Period of Performance:

**S January 2018 – 4 July 2019**

Task Order Type:

**Cost-Plus Incentive Fee (CPIF)**

~~WARNING: This document contains information that may be exempt from mandatory disclosure under the Freedom of Information Act~~

## Performance Work Statement Revision History

Rev	Mod	Date	Revision / Change Description
0	00	08DEC2017	Original PWS
A	04	23MAR2018	Executed 10.5.001 (Awarded in P00003); and 10.5.002, 10.5.003, and 10.5.005 (P00004). 10.5.004 is a PPWP (not awarded at this time). Other PWS updates.
B	05	01MAY2018	Executed 10.5.06, 08, 10 Executed 10.5.07 base (PPWP not awarded) Executed 10.5.09 Executed 10.5.12 Executed 10.5.13 10.5.11 is a PPWP. 10.5.14 was not awarded or established as a PPWP Updated SSI table to consolidate information and establish weighting.
C	07	12JUN2018	Executed 10.5.15 B247 and 10.5.16 Primavera Updated Section 3 to the new agreed to format/process to align with proposals and SSI deliverables. Updated CDRLs to reflect removal of Property and Asset Management from 8700. Updated 10.1 verbiage to align with standard PWS verbiage. Added Projects table at end of document
D	21	08NOV2018	Executed 10.5.17, 10.5.18, 10.5.19, 10.5.20, and 10.5.21 Updated Projects table at end of document

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## 1. Purpose

This Task Order, Information Technology (IT) Project Engineering Services, will provide new and enhanced capabilities to the **MDA** Information Environment (**MIE**) in support of the Enterprise IT Services (**EITS**) Task Order. The **EITS** Task Order supports the Missile Defense Agency (**MDA**) with Enterprise (agency-wide) IT capabilities:

1. supporting Ballistic Missile Defense System (**BMDS**) Research, Development, Test, and Evaluation (RDT&E) requirements,
2. providing **MDA** administrative and business requirements, and
3. enabling **BMDS** mission support tasks for deployed systems.

The Chief Information Officer (**CIO**) has oversight and provides assistance and support for all three IT environments to ensure compliance with the regulatory requirements. The office of the **CIO** is responsible for ensuring that Information Management (**IM**)/IT capabilities are acquired and that information resources are managed and protected for the MDA in a manner that meets the requirements of legislation, regulations, and directives. These include, but are not limited to, the Clinger-Cohen Act of 1996, the Paperwork Reduction Act of 1995, the E-Government Act, the Federal Information Security Management Act (FISMA) of 2002, the President's Management Agenda, the Department of Defense (**DoD**) 8500 policy framework, **DoD** Directive 8000.1, National Security Agency **IA** policies, and the priorities established by the MDA Director.

The **MDA** Enterprise Information Environment Mission Area (**EIEMA**) and Business Mission Areas (**BMA**) are Department of Defense Architecture Framework (**DoDAF**), Risk Management Framework (**RMF**), and Joint Information Environment (**JIE**) compliant; they provide data processing, storage, and transport; systems and network management; data analysis and information dissemination; data management; and cybersecurity functions. The **CIO** provides **MDA**-wide secure classified and unclassified IT systems; data centers; operations and monitoring centers; telecommunications; local and wide-area network infrastructure; and customer services to meet both **DoD** and **MDA** requirements of high availability, disaster recovery and continuity of operations.

The **CIO** also provides support to the Warfighter Mission Area and the Defense Intelligence Mission Area for various components located within the **MDA** core sites. Components such as the Joint Functional Component Command-Integrated Missile Defense and the Intelligence Support Center represent two of the groups in these mission areas supported within the Integrated Research and Development for Enterprise Solutions (**IRES**) contract.

**MDA** adheres to the **DoD** Unified Capabilities Operational Framework to tie together multiple mission areas into an integrated framework. This integrated framework facilitates **JIE** efficiencies without sacrificing the ability to meet the special purpose IT requirements of the development and test enclaves that support the timely **BMDS** development and fielding schedules. **MDA** data centers are registered with the **DoD** **CIO** as Special Purpose Processing Nodes (**SPPNs**). **MDA's** **SPPNs** support unique requirements (e.g., RDT&E enclaves residing on the Defense Research and Engineering Network (**DREN**)) that have varying levels of security, access requirements, development requirements, and security **IA** (**IA**) controls IAW DISA "Enclave Test and Development Security Technical Implementation Guide" (STIG) Zones A through D. **MDA** follows the **JIE** standards to the maximum extent possible to facilitate information

sharing. **MDA's** capabilities-based acquisition model demands collaboration services across multiple government and contractor sites that are interconnected via the **DREN** infrastructure and the Department of Defense Information Network (**DoDIN**). This network infrastructure is highly integrated, supporting the wide range of scientific research, missile defense development, business operations, and day-to-day collaboration required to bring the **BMDS** from concept to reality.

## **1.1. Goals**

### **1.1.1. Goal 1: Enable Mission Success through Effective and Efficient IT Services**

In order to meet the dynamic demands of the missile defense community, the contractor will align to the following objectives:

- Promote systems thinking across the organization in all projects
- Increase its organizational agility by continuously improving its end-to-end **IT** service delivery and underlying technologies,
- Establish governing processes and workforce skill sets (e.g., requirements management, service design, release and change management, service transition, and governance functions including technical integration, configuration control, and data management) to achieve a dynamic learning organization

Key activities to achieve these objectives:

- Integration with appropriate **MDA** critical processes (e.g., Business, system engineering, and security engineering processes)
- Evolve current operational methodologies to the use of the **DevOps** and Agile Software Development approaches
- Substantial use of automation and enterprise-wide data collection capabilities to feed **MIE** dashboards and BI solutions
- Automated security testing as a part of the deployment process

Taken together, these activities will increase the rate of service delivery, strengthen the **MIE** security posture, and achieve streamlined change and configuration management processes.

### **1.1.2. Goal 2: MIE Defense in Depth**

In order to achieve the required level of Confidentiality, Integrity, and Availability (**CIA**) of **MIE** resources and data, the contractor will align to the following objectives:

- Achieve a single security architecture
- Field the **MIE** Computer Emergency Response Team (**CERT**)
- Ensure Security "designed in" as a part of project life-cycle management

Key activities to achieve these objectives:

- Strong Identity Management, Device Hardening, and Reduced Attack Surfaces
- Integration of Cybersecurity and **GIOC** concept (NOSC)
- Maintain Tier 2 Certified Network Defense Service Provider Certification
- Leverage **CERT** to provide Compliance Monitoring and **RMF** Activities

- Integrate **RMF** and **DoDAF** processes as a part of project life-cycle management

Taken together, these activities will achieve a **MIE** comprised of shared **IT** infrastructure, enterprise services, and a single security architecture to achieve full spectrum superiority, improve mission effectiveness, increase security, and realize **IT** efficiencies

### **1.1.3. Goal 3: MIE Continuous Service Improvement through Innovation and Evolution**

In order to sustain continuous improvement of **MIE** capabilities, the contractor will align to the following objectives:

- Efficient and Effective **MIE** Lifecycle Management
- Maintain Standards-based **MIE** Compliant with **JIE**
- Expand Role of Automation and Analytics

Key activities to achieve these objectives:

- Identify and Assess Technological Gaps
- Develop and Follow Technology Roadmap informing Selection Criteria
- Refresh Technologies and Introduce Automation to Increase Pace of Compliant Service Delivery
- Identify, Investigate New Technologies with priority on:
  - Cybersecurity Technologies
  - Cloud Services
  - Business Analytics
  - Software Defined Data Center as **SPPN**
  - Mobile Technologies

Taken together, these continuous improvement activities ensure a relevant and secure **MIE** with increasing efficiency and effectiveness in support of the **MDA** mission.

## 2. Background

### 2.1. Adoption of IT Infrastructure Library (ITIL)

The **CIO** has adopted the **IT Infrastructure Library (ITIL)** as the framework for organizing **IT** processes and services, and training the **IT** workforce to meet an **IT Service Management (ITSM)** construct. Accordingly, **IC** has established five staff functions to manage the Infrastructure Integration and Event Support, **IM**, and **IT Operations and Cybersecurity** capabilities:

1. **IC Staff– IM** and Technology Operations
2. **ICM** – Infrastructure Integration and Event Support
3. **ICV** – Information and Computer Network Defense (**CND**)
4. **ICT** – **IM** and Technology Operations
5. Regional **IT** Support

Five staff functions manage the **IT/IM** enterprise to ensure compliance with federal mandates, **DoD** policies, and compliance reporting to field Enterprise compliant **IT** solutions, manage information, and to operate and defend our infrastructure (i.e. compute, storage, networks) and information. The synergy achieved by the relationship between these functions results in the agile delivery of services such as Network Operation (NetOps), **IT-as-a-Service (ITaaS)**, and Software Defined Data Centers (**SDDCs**) that will provide the desired effects of assured system and network availability, assured information protection, and reliable information delivery.

In addition to the staff functions, a Global Integrated Operations Center (**GIOC aka ITNSC**) watch will be established to provide continuous support, monitoring and security of all delivered capabilities and services. The **GIOC** watch will be an integrated team of Subject Matter Experts (**SMEs**) from across the enterprise that represent all security, operational and engineering components of the **MIE**.

### 3. Scope

The anticipated 100 engineering work packages developed under this **Task Order** will support the **MDA CIO's** mission to ensure that **MDA's** IT Enterprise services and resources are designed, acquired, installed and transitioned to Operations and Maintenance (**O&M**) in compliance with the goals and directives of existing statutes and **DoD** regulations, as well as priorities set by the **MDA** Director and **CIO**. This **Task Order** will provide fielding of effective, efficient, secure, and reliable information technology services (e.g. compute, storage, networking, applications, security). This **Task Order** will leverage and expand capacity in **MDA** Data Centers to accommodate **EITS** and customer requirements in a hybrid, cloud-based, dynamic enterprise architecture. This **Task Order** will expand/enhance the **MDA** administrative and general services (**ADMIN/Genser**) defined as **MDA's** Enterprise unclassified and classified networks, **RDT&E** network, Facilities Infrastructure LAN (**FILAN**) and network **IT** elements (i.e., routers, switches, firewalls and gateways), shared services (i.e. Active Directories, Authentication/Authorization services, enterprise messaging bus, enterprise audit, Domain Name Service) workstations, servers and peripherals (i.e. infrastructure provisioning).

All projects fielded under this **Task Order** will be required to contribute to and participate in the Enterprise Monitoring and Audit service. Primarily this means that each fielded capability that generates non-mission related data or meta-data (e.g. operating system logs, application logs, error logs, security logs, hardware performance data) *must send that data to the common data repository* used to conduct continuous monitoring and audit activities across the enterprise. Additionally this data will be analyzed for business intelligence, trends, cost and performance optimizations, forensic/security investigations and any other future analysis required by the **MDA**, **DoD** or the missile defense community at large.

Projects accomplished under this task order will follow an industry standard project management lifecycle. The agreed project management lifecycle includes the following high-level phases:

- PHASE 1: Concept and Initiation (Service Strategy) – Milestone 1
- PHASE 2: Definition and Planning (Service Design) – Milestone 2
- PHASE 3: Execution and Control (Service Transition) – Milestone 3
- PHASE 4: Install and Operations (Service Operations) – Milestone 4
- PHASE 5: Close – Milestone 5

Project activities or elements, with **MDA CIO** agreement, should be tailored to address the size, scope and complexity of the identified project to ensure a high probability of success. **IT** Solutions and Engineering Services should deliver quality products and services meeting **MDA** Agency Stakeholders and **BMDs** Test event requirements IAW established governance processes. Engineering Services are able to scale to the needs of the Agency in an agile and adaptable manner.

Tailoring includes adjusting the elements and documentation for each project phase to eliminate unnecessary documentation as well as desired attributes and **SSIs**. Tailoring also includes identifying additional steps needed for new concept, technology, software investigations, development and testing, to increase the probably of project success.

For example, development of new software capabilities would require the use of separate, but identical, environments: 1) Development (DEV), 2) Test (TEST), and 3) Production (PROD). Each step uses automation to provision and configure the exact same resources for each step of development.

The following template is provided to support requirement submission to the contractor for proposal:

### Task xxx Project Title [Funding 2 ltr] [MOD X]

Project Champion:

[PMIB #: xx-xxxxx-xyz or REQ #: xxxxxx] (if n/a, delete)

Background: Provide description of the project and the intended outcome(s). List past or current tasks or board approvals that the contractor should reference

Tasking: Describe the requirements, expectations, critical timelines, constraints at the high level.

### Requested Milestones

Milestone	Schedule
Requirements	20 DAC
Architecture	20 DA Requirements approval
PDR	30 DA Architecture approval
DDR	30 DA PDR approval

Milestone	Schedule
IRR	20 DA DDR or award
Equipment Receipt	90 DA award
Installation	30 DA IRR
ORR	30 DA Install complete
Transition to O&M	15 DA ORR approval
Project Close	10 DA Transition complete

### Requested Artifacts/deliverables

Required	IRES Document	Document Type
	Slide Package	
Yes / No	Alternatives of Analysis / Course of Action	Slide Package
Yes / No	Requirements Slide Package	Slide Package
Yes / No	Architecture Slide Package	Slide Package
Yes / No	Preliminary Design Slide Package	Slide Package

Yes / No	Detailed Design Slide Package	Slide Package
Yes / No	Implementation Readiness Slide Package	Slide Package
Yes / No	Operational Readiness Slide Package	Slide Package
	Diagrams	
Yes / No	Operational Viewpoint (OV-1)	Diagram
Yes / No	Capability Viewpoint (CV-1)	Diagram
Yes / No	Logical Viewpoint (SvcV-1)	Diagram
Yes / No	Physical Viewpoint (SV-1)	Diagram
Yes / No	Rack Elevation Drawing	Diagram
Yes / No	Facility Layout Drawing	Diagram
Yes / No	Cyber Scorecard	Diagram
	Documents	
Yes / No	Requirements Traceability Matrix (RTM)	Document
Yes / No	Rough Order of Magnitude (ROM)	Document
Yes / No	Business Continuity / Disaster Recovery	Document
Yes / No	Bill of Materials (BOM)	Document
Yes / No	High Level Design	Document
Yes / No	Implementation Plan	Document
Yes / No	Integrated Test Plan	Document
Yes / No	Vendor Maintenance	Document
Yes / No	Monitoring	Document
Yes / No	Roles and Responsibilities	Document
Yes / No	Customer / User Communications Plan	Document
Yes / No	User/O&M Training Plan	Document
Yes / No	CONOPS	Document
Yes / No	Transition Plan	Document
Yes / No	Test Results	Document
Yes / No	Standard Operating Instructions/Procedures (SOI/P)	Document
Yes / No	O&M Training	Document
Yes / No	RMF Artifacts, IATT, IATO, ATO (accepted in eMASS)	Document
Yes / No	ROM to MDA/IC Identifying O&M Charge (SSI 5)	Document
Yes / No	IRES e-mail to customer with cc to Project Champion and COTR confirming that IRES met the Operational Capability Date (SSI 6)	E-mail
Yes / No	<i>Other Document 1</i>	<i>Document</i>
Yes / No	<i>Cross Domain Appendix</i>	<i>Document</i>
Yes / No	<i>Data Owner Guidance</i>	<i>Document</i>
Yes / No	<i>SBSA Test Plan</i>	<i>Document</i>
Yes / No	<i>Other Document 2</i>	<i>Document</i>

Yes / No	Other Document 3	Document
Yes / No	Project Closure Form	Document

Project GFI or GFE: (must provide GFI in GFI folder if listed here)

- 1.
- 2.

Historical project elements are mapped to the agreed project management lifecycle phases below for reference. These activities and milestones are for reference. They are not mandated in the tasking or the response, but should be considered in development of the solution:

#### **PHASE 0 – Triage and Disposition of Kinetic Service Request (KSR) Tickets/Requests**

Triage of KSR tickets/requests are accomplished as part of the Scope of the EITS Task Order. The outcome of this triage process will be the following:

- Determination of whether a ticket/request will be addressed in the O&M scope of the EITS Task Order (5.9) or if the ticket/request will be handled as an SRT or transitioned to this Task Order (Discrete Project).
- The development of initial work products enumerated in paragraph 3.1 below.

Each ticket/request disposition may require the items from the list below:

EITS Triage and Disposition		
Product	Product Type	% Complete
Business Case	Document	50%
High-level Requirements	Document	75%
High-level Risks	Document	50%
High-level Timeline	Slide Package	50%
Project Charter / PSC Package	Document	100%
BOM/ROM	Document	50%

The products enumerated above (or a tailored sub-set) will be sufficient to initialize work to begin in the O&M scope of the EITS Task Order (5.9) or seed equivalent products for SRT/Discrete Projects.

#### **3.1. Concept and Initiation (PHASE 1)**

Phase 1 is a collaborative effort in defining, understanding, and establishing stakeholder consensus on the scope, size and complexity of the project.

Project Concept		
Product	Product Type	% Complete
Business Case	Document	50%
High-level Requirements	Document	100%
Capabilities and Benefits	Slide Package	100%
High-level Risks	Document	50%
High-level Timeline	Slide Package	50%
AoA / CoA	Document	100%
Project Charter/ PSC Package	Document	100%
BOM/ROM/Engineering Estimate	Document	50%
10.5 Proposal	Document	100%

### 3.2. Project Management (PHASE 2)

The contractor will execute project management oversight, customer outreach and requirement gathering activities, as well as provide project transparency to project champions and project stakeholders (e.g. customers) through effective and frequent communications liaison and communication. The Contractor will field a team of appropriate personnel from across the IC to execute the project. The team may be composed of PM, System Engineer, Architect/Software Engineer, Security/IA SME, Developer, Automation Engineer, QA/Tester, **DevOps** Engineer. The Contractor is responsible for the delivery and quality control of all required project documentation in support of service architecture, engineering, design and accreditation. Each project may require the items from the list below:

Project Management		
Product	Product Type	% Complete
Project Plan	Document	100%
Financial Reports	Report	100%
Variance (schedule and cost)	Report	100%
Briefings	Slide Package	100%
Candidate Risks	Slide Package	100%
Weekly Activity Report	Document	100%
Monthly Project Review	Slide Package	100%
Meeting Minutes and Action Items	Document	100%
Project Closeout Documents	Document	100%

### 3.3. Requirements (PHASE 2)

This element is designed to capture the requirements (clearly delineating classification requirements) along with applicable Federal and **DoD** directives. An initial Concept of Operations (**CONOPS**) is needed to put the requirements in context and required to start the Assessment & Authorization process. The requirements package will be presented to the appropriate level review for government and customer approval. Each project may require the items from the list below:

Requirements Package		
Product	Product Type	% Complete
Requirements Traceability Matrix (RTM)	Document	40%
Requirements Slide Package	Slide Package	100%
<b>CONOPS</b> Outline	Document	25%

### 3.4. Architecture (PHASE 2)

The architecture element is designed to analyze the requirements and establish possible solutions. If multiple solutions are under consideration, then an Analysis of Alternatives (**AoA**) and recommended Course of Action (**CoA**) is provided. Some projects may result in a AoA/CoA as the primary output product. Each project may require the items from the list below:

Architecture Package		
Product	Product Type	% Complete
Operational Viewpoint (OV-1)	Diagram	75%
Capability Viewpoint (CV-1)	Diagram	50%
Service Viewpoint (SvcV-1)	Diagram	25%
RTM Update	Document	50%
<b>CONOPS</b> Update	Document	40%
AoA / CoA	Slide Package	100%

### 3.5. IA Assessment, Reviews and Documentation (PHASE 2)

This element is intended to initiate the **IA** Assessment, complete the tailored set of deliverables and deliver the **RMF** package to **IA Manager (IAM)/IA Office (IAO)**; resulting in either an Interim Authority to Test (IATT) for development and testing activities and Authority to Operate (ATO) for deployment/operations to Production.

IA		
Product	Product Type	% Complete
RMF: Assessment and Authorization Tailored Package	Process	100%
Interim Authority to Test (IATT) for Dev, Test Environments	Certificate	Granted
Authority To Operate (ATO) for Production Environment	Certificate	Granted

### 3.6. Preliminary Design (PHASE 2)

The Preliminary Design Review (**PDR**) is accomplished to meet the approved requirements, Operations Strategy and **DoDAF** business model(s), while being compliant with Federal and **DoD** direction, as well as, **DoD** and **MDA** standards. The **PDR** is an internal activity to ensure design supports an enterprise solution approach and addresses all security and identifies any long lead items for procurement. Each project may require the items from the list below:

Preliminary Design Package		
Product	Product Type	% Complete

OV-1 Update	Diagram	100%
CV-1 Update	Diagram	100%
SvcV-1 Update	Diagram	50%
Concept of Operations (CONOPS)	Document	50%
Interface Control Document (ICD) Updates (Draft)	Document	25%
Responsibility Assignment Matrix (RACI Matrix)	Document	25%
RTM Update	Document	75%
Bill of Materials/ Rough Order of Magnitude (BOM / ROM)	Document	50%
High Level Design	Slide Package	100%
Risk Register	Slide Package	50%
Disaster Recovery (DR)/Continuity of Operations Plan (COOP)/ Backup Plan	Slide Package	50%

### 3.7. Detailed Design Review (PHASE 2)

The Detailed Design Review (DDR) is accomplished to meet the approved requirements, Operations Strategy and DoDAF business model(s), while being compliant with Federal and DoD direction, as well as, DoD and MDA standards. The DDR will be tailored to the work products relevant to the type of project, product, or service being fielding. For example, if the capability is one related to the underlying hardware infrastructure, then more detailed engineering drawings will be required. However, if the capability is more software in nature, then detailed engineering draws would not be necessary, as software deployed in a cloud environment is not installed on a fixed asset and therefore it will not be known as to its exact physical location in the infrastructure. The DDR is presented to the appropriate level review for government and customer approval. Each project may require the items from the list below:

Detailed Design Package		
Product	Product Type	% Complete
SvcV-1 Update	Diagram	100%
SV-1 Update	Diagram	100%
Rack Elevation Drawing	Diagram	100%
Facility Layout Drawing	Diagram	100%
CONOPS Update	Document	100%
Change Management Documentation [Change Request (CRQ)]	Document	75%
Interface Control Document (ICD) Updates (Draft)	Document	75%
Responsibility Assignment Matrix (RACI Matrix)	Document	75%
RTM (Complete)	Document	100%
BOM/ROM Update	Document	100%
Detailed Design	Slide Package	100%
DRCOOP / Backup Plan	Slide Package	100%
Implementation Plan	Slide Package	100%
Implementation Test Plan	Slide Package	100%
Risk Register Update	Slide Package	100%
Vendor Maintenance	Slide Package	100%
Monitoring Trap and Polling	Slide Package	100%
User/O&M Training Plan	Slide Package	75%

### 3.8. Procurement (PHASE 3)

The procurement element lists all Other Direct Costs (ODCs) to include IT hardware, IT software, licenses, warranty, vendor support, travel, and any other items required to support the proposed implementation.

### 3.9. Facility Modification (PHASE 3)

This element identifies the required *coordination* for facility modifications (e.g., power, HVAC, cabling, Power Distribution Center (PDC), etc.) to complete the project.

### 3.10. Installation (PHASE 4)

The installation element requires installation in compliance with the Configuration Management processes and RMF documentation and validates operational acceptability through testing. It should be noted that in an agile **DevOps** environment, the rate of change to software is very high and should be considered when performing change management or any delivery speed gained would be lost in process. All changes anticipated within any given iteration should be taken as one change and reviewed in hole by the Engineering Review Board. Unless a security feature or boundary is changed a “no-test” update to the ATO should be granted. Each project may require the items from the list below:

IT Installation		
Product	Product Type	% Complete
Change Management Documentation (CRQ/DDIP)	Document	100%
Update ICD with as-built documentation	Document	100%
Responsibility Assignment Matrix (RACI Matrix)	Document	100%
Customer/User Communications Plan (Completed)	Slide Package	100%
User/O&M Training Plan	Slide Package	100%
Test Results	Document	100%

### 3.11. O&M Standard Operating Instructions/Procedures (SOI/P) (PHASE 4)

This element develops and exercises O&M Standard Operating Instructions/Procedures (SOI/P) and Operational Level Agreements (OLAs), and ensure the O&M crew members are trained. Each project may require the items from the list below:

O&M SOI/P		
Product	Product Type	% Complete
SOI/P	Document	100%

### 3.12. Transition to O&M (PHASE 4)

Upon successful completion of the SOI/P, OLA exercises and installation testing, and after receiving the Authority to Operation (ATO), the project will transition to the operations crew for continued support. Since the entire team was involved from the start of the project, all facets of the capability are well understood by all. Transition in this case is simply the rest of the project team moves on to other projects, while the operational team members add this capability to their portfolio. This also better supports the

tiered support concept. The support desk, also trained in this new capability, is Tier 1. The Operations team that worked the project is now Tier 2 and the engineering team is Tier 3.

Each project may require the items from the list below:

Transition to O&M		
Product	Product Type	% Complete
Anticipated Annual Sustainment Costs	Document	100%

### **3.13. Milestone Schedule (PHASE 2)**

A milestone schedule will be established with each project to identify the above activities for the project and associated timeline for completion.

### **3.14. Project Close (PHASE 5)**

During project close, there is a hand off between the Project Manager and the Service Owner to place the new product or service into a Product/Service Lifecycle. The project close element is relevant to completing the Project Lifecycle.

Closeout Documents		
Product	Product Type	% Complete
Configuration Management Baseline	Document	100%
Procurement Close	Document	100%
Lessons Learned	Document	100%
Final Report	Document	100%

## 4. Service Summary Items (SSIs)

Service Summary Items serve as a basis to assess contractor performance and a tool to guide improvement to services, such as Project Management, provided to the MDA CIO. SSIs represent a combination of Critical Success Factors (CSF), Key Performance Indicators (KPI), and Metrics that represent measurable performance thresholds to assess contractor performance as acceptable/unacceptable. Jacobs must meet or exceed the performance thresholds within each identified SSI to achieve a Quality Performance Index greater than Unacceptable.

MDA Projects are initiated to achieve a particular outcome, i.e., a problem or opportunity has been identified and a project commissioned to provide a solution. As part of the Project Initiating and Planning Phases we identify the output(s) which can deliver the desired outcome. During Project Execution we take steps to deliver the agreed output but sometimes fail to check that the output(s) will still deliver the expected outcome. During all phases of the project, we must examine the project from the outcome perspective and that over time the identified output(s) is the optimum way to achieve it.

Customer value derives from receiving “benefits”, and benefits are derived by a combination of these outputs and outcomes. Outputs are generally associated with processes and documents, i.e., planning documents and IPRs, etc., whereas outcomes are delivered by helping the customer achieve the benefits and value derived from the Project. Requirements and outputs focus on the meeting the how; Benefits, value, and outcomes focus on the why.

The key terms and definitions related to understanding SSIs are:

**Output:** The tangible things the project intends to produce such as plans, measurements, tracking processes and status reports that pertain to planning, managing and closing the project; project outputs are considered complete on delivery and in accordance with agreed-on specifications.

**Outcomes:** Planned payoffs, which the project intends to achieve from the outputs; important but often difficult-to-precisely-measure long-term results; documented through collaborative actions, between the Project Team and Customer/User during Project Phases 1 and 2, and evaluated/validated during the remaining Project Lifecycle and at an agreed interval following project completion.

**Benefits:** Value that is created for the project sponsor or beneficiary as a result of the successful completion of a project.

**Benefits Realization:** A means to ensure that benefits are derived from project outputs.

**Acceptance Criteria:** Set of conditions that are met before deliverables are accepted and should include both outputs and outcome acceptance criteria.

This following subsections will address SSIs developed for both project outputs and project outcomes and account for CSFs, KPIs, and Metrics that are SMART:

- (S)pecific
- (M)eaningful
- (A)chievable
- (R)elevant
- (T)ime bound

Finally, the output SSIs are contract level (mandatory) and generally numbered 1-4 and the outcome SSIs are task order specific and should be numbered 5-N.

#### **4.1. Contract Level SSIs**

IAW the **IRES** Performance Evaluation and Incentive Plan, SSIs 1 through 4 are common [required] on all Task Orders and will be assessed at the contract level (i.e., all Task Orders will receive the same rating). These will only be assessed on areas of incentive fee contract types when applicable for this Task Order.

#### **4.2. Task Order Specific SSIs**

SSI 5 (through n) [Technical Performance] captures the specific Task Order SSIs deemed essential to successful execution of the Task Order (note: The Technical Performance SSIs are to be developed / defined using the performance measures developed in collaboration with the contractor). These will only be assessed on areas of incentive fee contract types when applicable for this Task Order.

#### 4.2.1. SSI Details

The below table provides description of each SSI for this Task Order:

SSI#	Title	Description	Performance Threshold Unacceptable	Performance Threshold Acceptable	Performance Threshold Objective	Weight	Assessment Method	Measure Thresholds
SSI 1	(b)(4)							
SSI 2								

SSI 3

(b)(4)



SSI 4

(b)(4)



SSI 5

(b)(4)

SSI 6

SSI 7

SSI 8

(b)(4)

SSI 9

## 5. Contract Data Requirements List (CDRL)

The point of delivery for all CDRL products, except as noted in Exhibit C, is the **MDA E-CaRT** system. The Contractor will deliver all such products by saving and profiling them in **E-CaRT**, with the appropriate notification of delivery letter transmitted electronically to the Government's Data Management Office. Reference Exhibit C for specific CDRL delivery instructions.

### 5.1. Contract Data Requirements List (CDRL) Identification

Task	CDRL	DID	Title	Description
5.1.2.1	C001	DI-MGMT-81861/T	Integrated Program Management Report	Contains data for measuring cost and schedule performance. The IPMR is structured around seven formats that contain the content and relationships required for the electronic submissions.
<del>5.1.2.2</del>	<del>C002</del>	<del>DI-MGMT-80441/T</del> RESERVED	<del>Interim Government Property Inventory Report, — [Enter Period Start — End Dates]</del>	<del>Itemizes contractor-acquired property (quarterly) that will be entered into the MDA Accountable Property inventory.</del>
5.1.2.2	C003	DI-MISC-80508B/T	Task Order Status Report: [Insert month ending]	Provides significant accomplishments, issues, concerns, lessons learned, and risks associated with the Task Order.
<del>5.2.2.3</del>	<del>C004</del>	<del>DI-MISC-80508B/T</del> RESERVED	<del>Asset Management and — Maintenance Report</del>	<del>Captures all software licenses, deployed software obtained, and in-use for MDA. The report will be configured by asset ID (barcode and/or serial number), software type and version installed, and the license accountability allocation. Summary records will also be provided detailing the type of software deployed by version, number deployed and number of licenses active and on file with the software librarian. Report will contain summary of IT hardware, which requires or is under maintenance agreement, and 2-Ltr allocation. Report will contain licensing and maintenance agreement information to identify those assets under ELA, ESA, Co-Term Agreements, etc... Format and data fields can be modified as needed to ensure currency of report</del>
5.2.2.5	C005	DI-MISC-80508B/T	Project Engineering Documentation	This CDRL contains engineering documentation that potentially includes some or all of the following components: Slide Package, DoDAF Artifacts, Rack Elevation drawings, Facility Layout drawings, <b>CONOPS</b> , and Requirements

Task	CDRL	DID	Title	Description
				Traceability Matrix (RTM), Version Description Documents, and Floor Plans.
5.2.2.5	C006	DI-MISC-80508B/T	Operational Support Documents:	This CDRL will contain Logical Models (services, assets and infrastructure), IT Training Materials, Customer IT Reports, Known Errors Database, Cable Plant Management Database, <b>SOI/Ps</b> and templates, Disaster Recovery (DR)/Continuity of Operations (COOP) IT Disaster Recovery (ITDR) Classified Contingency Plans, relevant new additions from outcomes/attributes for data center or other objective areas, and Business Requirements to Implementation Traceability.

## 5.2. CDRL Tailoring

The DD Form 1423 associated with each CDRL, Exhibit C.



Exhibit\_C\_DD\_Form\_1  
423.pdf

## 6. Milestone Schedule (PHASE 2)

A milestone schedule will be established with each project to identify the above activities for the project and associated timeline for completion.

Task	Activity	Date / Days After Contract (DAC)
Integrated Baseline Review		90 DAC

## **7. Government Furnished Equipment (GFE)/ Government Furnished Information (GFI)**

### **7.1. GFE**

There will be no GFE provided for this Task Order.

### **7.2. GFI**

Current architecture documentation is available via SharePoint.

### **7.3. Property**

All Property associated with this Task Order will be managed under the terms and conditions associated with Task Order 8900.

## **8. Special Requirements**

In addition to the Special Requirements identified in IRES Contract SOO, paragraph 7.0, the following are applicable to this Task Order:

### **8.1. Security Requirements**

This contract may require access of classified information up to and including Top Secret SCl. The Contractor will be required to obtain a Secret Facility Clearance at the end of the transition period as to not affect contract performance and their employees requiring access to classified information will be eligible to possess a security clearance commensurate with the level of information for which they require access. All contractor personnel requiring unescorted access to **MDA** facilities will be required to possess and maintain a minimum of a Secret security clearance. The contractor will defer to the Contracting Officer or their representative(s) for classified access requirements. Eligibility is defined as the formal determination that an individual meets the Personnel Security requirements for Access to a specified type or types of classified information. All contractor support within the **MDA** workspaces will comply with applicable **DoD**, **MDA**, MDSC, and local security directives (e.g. USAF 50th Security Forces Squadron), policies, procedures, and instructions. The Contractor will exhibit vigilance in the performance of tasks within this **PWS** to support a secure workspace that safeguards personnel, **BMDS** classified and Covered Defense Information (CDI) and resources.

#### **8.1.1. Personnel Security Clearances**

All personnel assigned must have at least an interim or final (fully adjudicated) secret clearance. Some contractors may require Top Secret clearance with SCl.

#### **8.1.2. Contract Security Requirements**

Overarching contract security requirements, and Contractor access to classified information, will be as specified in the basic DD Form 254 for this Task Order. Refer to Section X – DD Form 254 for additional contract security requirements.

#### **8.1.3. Non-Disclosure Agreements**

Non-Disclosure Agreements will be in place prior to performance of work as appropriate.

#### **8.1.4. Force Protection Measures**

Contractor will comply and perform force protection measures directed by local leadership or downward directed by higher headquarters, especially when additional security measures are required for changes to base, local or national threats.

#### **8.1.5. Physical Security**

Contractor will report violations of physical security procedures to the **MDA/IC** Chief of Program Security upon discovery, but NLT 48 hours after discovery.

#### **8.1.6. Escort Procedures**

Contractor will comply with all escort procedures for cleared and uncleared visitors according to the most recent 50th Space Wing Installation Defense Plan.

#### **8.1.7. Annual Security Education & Awareness Training (SEAT)**

Contractor will participate in annual **SEAT**, and ad hoc security training as determined by **MDA/IC** security officials. Contractor will complete host base and **MDA** specific training requirements and pass all tests to maintain unescorted access to base and **MDA** areas.

#### **8.1.8. Annual Security Self-Assessments and External Agency Assessments**

Contractor will participate in annual security self-assessments and external agency assessments and exercises involving the adherence to physical security and force protection policies.

### **8.2. Cybersecurity Risk Management**

The contractor will safeguard and protect Controlled Unclassified Information (CUI) provided by or generated for the Government (other than public information) that transits or resides on any non-Government IT system. Information will be protected from unauthorized access, disclosure, incident or compromise by extending the safeguarding requirements and procedures in **DFARS** clause 252.204-7012, Safeguarding of Unclassified Controlled Technical Information. National Institute of Standards and Technology (**NIST**) 800-53 security controls specified in 252.204-7012 will be extended to include CUI information which resides on, or transits through the contractor's (prime and all sub-contractors) unclassified IT systems. IT personnel will possess appropriate position of trust certifications (e.g. ADP IT I-III and resultant implied certifications) per Department of Defense (**DoD**) and **MDA** policy.

### **8.3. Data Rights**

The contractor will comply with government data rights IAW the Defense Federal Acquisition Regulations Supplement (**DFARS**), as identified below in the Performance Work Statement (**PWS**) and incorporated in the contract:

#### **8.3.1. Delivered Data Rights**

All technical data (TD) and computer software, algorithms and related models (see **DFARS** 252.227-7013 and 252.227-7014) to be produced or developed under this contract will be delivered to the Government with unlimited data rights.

### **8.4. Other Contractors**

The Contractor will work with other contracts / contractors in support of **MDA** requirements and mission.

## 9. Applicable Documents

In addition to the directives and regulations identified in the **IRES** Contract **SOO**, paragraph 8.0, the following are applicable to this Task Order:

Title	Originator	Date
MDA/IC Processes & Workflows	MDA/IC	
MDA/IC Engineering Approval Board (EAB) Charter	MDA/IC	
MDA/IC Engineering Review Board (ERB) Charter	MDA/IC	
MDA/IC Project Steering Committee (PSC) Charter	MDA/IC	

## 10. Statement of Objectives and Outcomes

This section describes Project Objectives that need to be performed and delivered by the contractor, defined in terms of the outcomes. Objectives are generally more concrete and specific descriptions of requirements or corresponding tasks. Outcomes, then, should reflect what the expected result is at the end of the project period.

To define desired outcomes, list what needs to be accomplished in order to satisfy the overall requirement or task, from a top-level perspective. Determine all the variables (what, when, where, who, quantity, quality levels, etc.) which will ensure that all unique requirements have been considered. For some requirements, you may simply be reviewing previous requirements for validity and accuracy (i.e. does what we wrote last year or five years ago still reflect our current requirement?)

The following table and corresponding subsections defines the different categories that projects may be assigned.

Workload Category	Representative Service Catalog Categorization	Workload Category Attributes
Development Engineering	Engineering Study	
Test Event Integration	Range Communication Expansion Test Event Architecture Integration Audio/Video Distribution Services	
Service Expansion	Remote Site Buildout Business Intelligence Solutions Business Process Automation Cloud Solution IT Testing Capability Complex Engineering Solution Cybersecurity Engineering	Moderate degree of complexity IT Capacity Expansion/Scaling Requires CONOPS and/or SLA modifications Changes to production environment Well known technical requirements Known technology & architecture
Project Fulfillment	Facility Communication Buildout Large scale Capacity Expansion Complex COTS Software Integration Web Service Integration/Implementation Software Engineering/Development Network Capacity Enhancements IT Asset/Capability EOL Replacement Cybersecurity Architecture Enhancements	High degree of complexity Requirements not well known or understood New technology & architecture Large scale or high user impact Large scale infrastructure buildout

### 10.1. Task Order Administration

This portion of this PWS contains structure, objectives and outcomes with respect to the administration of the **Task Order**. This PWS element represents the work required to administer the Task Order and the Enterprise Support of the Task Order's work and resources.

#### **10.1.1. 10.1.1 Task Order Management**

This PWS element represents the work specifically required to support the management of requirements of the overall Task order, which includes all reporting, briefings, awards, modifications, SSIs, etc.

The contractor shall provide the resources and information to communicate and manage task order performance.

*Outcomes:*

- Provide a single POC responsible for managing the cost, schedule, risk, and technical performance of the TO.
- Provide a single POC to serve as a liaison to the COTR or Assistant COTR (ACOTR) who is responsible for providing insight on TO performance.
- TO activities are managed in accordance with the IRES Program Management Plan (CDRL TO8002 C008).
- All TO requirements are identified, managed, validated, and verified in accordance with the contractor's IRES Systems Engineering Master Plan.

The contractor shall provide task order reporting to accurately monitor status in accordance with CDRL and Milestone requirements.

*Outcomes:*

- IPMR and TO status report for the TO are delivered per CDRL requirements.
- An Integrated Baseline Review of the TO is performed within 90 days of TO award.
- TO status (e.g., technical, cost, schedule) is reported to the COTR on a monthly basis in accordance with CDRL requirements.
- TO status includes cost and schedule performance by WBS and IRES organization structure; significant accomplishments; customer concerns or issues; TO risks and mitigation status; performance against the IRES contract, SE&PI, and TO SSIs; achievements relative to the utilization goals in the contractor's Small Business Participation and Commitment Plan; quality assurance reviews, audit results, and non-conformance finding closure reports; safety information.
- TO performance trends are identified, tracked and shared with the COTR, ACOTR, and applicable government stakeholders.

#### **10.1.1.2 Responsible Organization Management**

The contractor shall provide qualified personnel and manage personnel issues to perform TO activities.

*Outcomes:*

- The workforce is managed efficiently, mitigating workforce surge and drawdown impacts, analyzing workforce trends, and forecasting workforce needs IRES-wide.
- A trained and qualified workforce is maintained that is able to perform the functions necessary to operate, support, and sustain MDIOC facilities and systems.

The contractor shall maintain accountability of all property under its control and provide reporting to ensure government situational awareness of property status.

*Outcomes:*

- The contractor shall submit a Material Inspection and Receiving Report as required by DFARS 252.246-7000 for the delivery of all CAP classified as Equipment, Special Test Equipment, and Special Tooling by using the Invoicing, Receipt, Acceptance, and Property Transfer (iRAPT) application in the Wide Area Workflow (WAWF) e-Business Suite in accordance with the instructions provided in the CLIN 7991.

*10.1.1.3 Administrative Support*

The contractor shall provide resources to manage the contractual requirements, and provide financial oversight and performance tracking for the task order.

*Outcomes:*

- Task Order financial management activities ensure that task order reporting, and accurately reflect the current state of TO financial performance and status.
- TO contractual deliverables are provided within the agreed to schedule, in the correct formats and to a high level of quality.

**10.1.2. 10.1.2 Enterprise Task Order Support**

This PWS element represents the work of enterprise support to the Task Order's work and resources.

*10.1.2.1 Enterprise Management*

The contractor shall provide the resources and data to enable enterprise management of this task order for human resources, business/finance, and JEMS in support of integration.

*Outcomes:*

- IPMR and TO status report for the TO are delivered per CDRL requirements.
- TO status (e.g., technical, cost, schedule) is reported to the COTR on a monthly basis in accordance with CDRL requirements.
- MDA customers and stakeholders have on-demand access to a TO status report dashboard.
- TO export control requirements are managed to comply with DoD and MDA requirements, including International Traffic in Arms Regulations (ITAR) (22 CFR 120-130) and Technical Assistance Agreements processes as required.
- Any individuals requiring access to Government information technology systems have completed Information Assurance Awareness training.
- Personnel performing information assurance functions on national security systems meet the Committee on National Security Systems training requirements.

*10.1.2.2 Mission and Performance Assurance*

The contractor shall perform System Engineering functions to ensure the products and services provided under this TO utilize established Systems Engineering practices that are standardized across the IRES contract in support of the MDA mission.

*Outcomes:*

- Deliver an Integrated Master Schedule (IMS), in accordance with Integrated Program Management Report (IPMR) requirements, using the contractor's JEMS Portal.
- The TO IMS is integrated into the contractor's IRES Integrated Schedule (IIS).
- Systems Integration requirements and capabilities gaps, lessons learned, and a common MDIOC system vision are integrated enterprise-wide.
- Critical assets are managed, to include conflict forecasting and de-confliction, across the IRES enterprise.

The contractor shall track, manage and report on TO performance measures, including metrics, lessons learned and accomplishments.

*Outcomes:*

- Based on TO performance trends, periodic audits of task estimates are performed, TO risks are tracked, and schedule accuracy is evaluated.
- All TO CDRLs are delivered on time and with accurate information.
- Customer satisfaction with the services and products delivered in this TO is solicited and tracked.
- TO performance is continuously evaluated and improved using objective performance measures.
- TO lessons learned, best practices, and accomplishments are collected and shared with the COTR, ACOTR, other government stakeholders, and IRES workforce.

The contractor shall incorporate Mission Assurance activities into all TO tasks in support of the MDA mission.

*Outcomes:*

- TO asset configurations are managed in accordance with the IRES Configuration Management Plan (CDRL TO8002 C022).
- TO risks are managed in accordance with the IRES Risk Management Plan (CDRL TO8002 C021).
- The quality of TO activities is assured in accordance with the Quality Assurance Program Plan (CDRL TO8002 C020).
- TO supplies are purchased in accordance with the IRES Supply Chain Risk Management Plan, including the development of a supply chain map and authorized suppliers list for critical systems.

The contractor shall provide information security, physical security, export control and cybersecurity training and processes in accordance with federal, DoD and agency requirements to safeguard the conduct of the MDA mission through the IRES contract.

*Outcomes:*

- MDA-identified Critical Program Information (CPI) and Critical Technologies (CT) are protected to the standards required in DoDI 5200.39

- TO cybersecurity risks are managed in accordance with the Cybersecurity Risk Management Plan (CDRL TO8002 C016).
- All Controlled Unclassified Information is protected from unauthorized access, disclosure, incident, or compromise.
- All contractor-managed TO systems maintain System Authorization in accordance with DoDI 8510.01, Risk Management Framework.
- Cybersecurity requirements and considerations are integrated into TO systems engineering, design, and risk management processes.
- All contractor-managed TO systems are operated in accordance with cybersecurity requirements.
- Security administration is provided to comply with applicable DoD, MDA, and local security directives, policies, procedures, and instructions for physical security and for the safeguarding of BMDS controlled and classified information, to include proper document marking, classification, storage, accountability, transmittal, and destruction.

#### *10.1.2.3 Functional Management and Administrative Support*

The contractor shall provide a functional management oversight structure to lead, manage and assign resources within their organization.

##### *Outcomes:*

- The Event and Warfighter Support (EWS) Director leads and manages the department to meet IRES and its applicable task orders' requirements.
- The EWS Director delivers IRES products and services which includes the correct people, processes, and tools to meet mission requirements.
- The EWS Directors tactically allocates and strategically forecasts resources within EWS and its applicable task orders to ensure the sustainment, renewal, and growth of the technical expertise within the department that meets current and future requirements.
- The EWS Director mentors and oversees the execution of event engineering, asset operations and sustainment, systems integration, and analysis to ensure the technical success of each task order within the department.

The contractor shall provide functional administrative and management support as required to communicate and deliver enterprise integration.

##### *Outcomes:*

- The EWS Department provides training, certifications, and career growth of each employee within the department.
- The EWS Department develops, standardizes, and deploys processes for event engineering, asset operations and sustainment, systems integration, and analysis.

#### **10.1.3. 10.1.3 Task Order Award and Modification**

The contractor shall provide the resources and data to provide timely and accurate proposals to government requirements for proposal and other contract modification actions.

## 10.2. Development Engineering

The contractor will establish a pool of resources (scope and value) to support **MDA IT Service** and **EITS** requests for design engineering support required to research, prototype or pilot transformational, converging, or disruptive technologies providing increase of functional capability/capacity to the Enterprise. This supports the development of white papers, engineering studies, **AoA**, Architecture and/or Design development with BOM/ROM to support discrete task implementation.

Projects are listed in table 10.1 below with a full description of the requirement in PWS attachment B.

Outcomes: The project will:

Outcome	Description
1	Provide update reference architectures.
2	Identify reductions in life-cycle costs through the use of alternatives in system configurations that utilize current technology components and adapt common equipment to multiple requirements and applications; implementation of new approaches to system development and support, such as specifications, standards, and processes, using techniques such as process base-lining, modeling, and simulation; and management and process improvement techniques, process re-engineering, automation, configuration management, and quality assurance.
3	Provide enhanced performance, accuracy, reliability, maintainability, deployability, survivability, and supportability of <b>IT</b> systems, subsystems, and equipment (including support equipment).
4	Provide increased system operational life through the evaluation and insertion of new technology into existing infrastructure components including their support systems and the modernization of existing support, maintenance, and repair processes.
5	Provide architecture, engineering artifacts, implementation strategy/concept, labor and material estimate.

Discrete Development Engineering Projects will appear in the Task Order PWS/PWS at 10.2.1...N and 1.2.1...N respectively.

## 10.3. Test Event Integration

The contractor will establish a pool of resources (scope and value) to support **MDA 2-Letter** event support requests provided through Kinetic Service Requests (KSRs) and approved through the Baseline or Project Steering Committee. Projects in this pool are limited to establishment or expansion of existing services or support to include associated labor, hardware, software and related **ODCs (ODCs)** to existing **MDA** sites or locations. Each project in this pool will be detailed, agreed to, executed, and completed, through technical tasking derived from the BSC/PSC briefing and request.

Projects are listed in table 10.1 below with a full description of the requirement in PWS attachment B. Outcomes: The project will:

Outcome	Description
1	Operate in the context of the System Engineering Management Plan (SEMP) and established governance processes reflected through standardized engineering artifacts and an integrated systems engineering approach to design efforts to meet technical requirements.

Outcome	Description
2	Comply with reference architectures (or deviations are identified and documented), and government processes (Governance, Compliance, Service Expansion, Fulfillment, etc...).
3	Transition to <b>O&amp;M</b> (sustainment) with project closure and customer acceptance documentation ensuring project requirements are met. Projects transitioned to <b>O&amp;M</b> with known errors will be documented with plans to correct. CDRL C005: Engineering Documentation (assume 25 annually)
4	Contain release plans that identify projected service outages, integrate with <b>EITS</b> sustainment processes, deconflict with <b>MDA</b> Test Event schedules, and provide complete customer communication strategy.
5	Provide timely and accurate project reporting through the implementation and execution of an online (e.g., digital dashboard) project portfolio status demonstrating individual project cost, schedule, performance to ensure the continuous delivery of situational awareness for all <b>IRES</b> managed projects.
6	Establish/capture data required to accurately allocate assets and sustainment costs to the customer and be incorporated into the Chargeback/Showback model.
7	Enhance performance, accuracy, reliability, maintainability, deployability, survivability, and supportability of <b>IT</b> systems, subsystems, and equipment (including support equipment).
8	Be presented to the government, prioritized, and executed to meet performance, schedule, and cost criteria.

Discrete Test Event Projects will appear in the Task Order PWS/PWS at 10.3.1...N and 1.3.1...N respectively.

#### 10.4. Service Expansion

The contractor will establish a pool of resources (scope and value) to support **MDA IT** Service requests provided through KSRs and approved through the Baseline or Project Steering Committee. Projects in this pool support establishment, expansion and extension of **IT** services to existing or new sites/locations to include associated labor, hardware, software and related **ODCs**. Each project in this pool will be detailed, agreed to, executed, and completed, through technical tasking derived from the BSC/PSC briefing and request.

Projects are listed in table 10.1 below with a full description of the requirement in PWS attachment B.

Outcomes: The project will:

Outcome	Description
1	Operate in the context of the System Engineering Management Plan (SEMP) and established governance processes reflected through standardized engineering artifacts and an integrated systems engineering approach to design efforts to meet technical requirements.
2	Comply with reference architectures (or deviations are identified and documented), and government processes (Governance, Compliance, Service Expansion, Fulfillment, etc...).
3	Transition to <b>O&amp;M</b> (sustainment) with project closure and customer acceptance documentation ensuring project requirements are met. Projects transitioned to <b>O&amp;M</b> with known errors will be documented with plans to correct. CDRL C005: Engineering Documentation (assume 40 annually)

Outcome	Description
4	Contain release plans that identify projected service outages, integrate with <b>EITS</b> sustainment processes, deconflict with <b>MDA</b> Test Event schedules, and provide complete customer communication strategy..
5	Provide timely and accurate project reporting through the implementation and execution of an online (e.g., digital dashboard) project portfolio status demonstrating individual project cost, schedule, performance to ensure the continuous delivery of situational awareness for all <b>IRES</b> managed projects.
6	Establish/capture data required to accurately allocate assets and sustainment costs to the customer and be incorporated into the Chargeback/Showback model.
7	Enhance performance, accuracy, reliability, maintainability, deployability, survivability, and supportability of <b>IT</b> systems, subsystems, and equipment (including support equipment).
8	Be presented to the government, prioritized, and executed to meet performance, schedule, and cost criteria.

Discrete Service Expansion Projects will appear in the Task Order PWS/PWS at 10.4.1...N and 1.4.1...N respectively.

### 10.5. Project Fulfillment

Based on the PSC briefing, recommendation and the draft Activity/Milestone documents, the contractor will individually propose projects. These projects are large in nature and exceed support or enhancement identified in 10.2 and 10.3.

Projects are listed in table 10.1 below with a full description of the requirement in PWS attachment A.

Outcomes: The project will:

Outcome	Description
1	Operate in the context of the System Engineering Management Plan (SEMP) and established governance processes reflected through standardized engineering artifacts and an integrated systems engineering approach to design efforts to meet technical requirements.
2	Comply with reference architectures (or deviations are identified and documented), and government processes (Governance, Compliance, Service Expansion, Fulfillment, etc...).
3	Transition to O&M (sustainment) with project closure and customer acceptance documentation ensuring project requirements are met. Projects transitioned to O&M with known errors will be documented with plans to correct. CDRL C00S: Engineering Documentation (assume 10 annually)
4	Contain release plans that identify projected service outages, integrate with <b>EITS</b> sustainment processes, deconflict with <b>MDA</b> Test Event schedules, and provide complete customer communication strategy.
5	Provide timely and accurate project reporting through the implementation and execution of an online (e.g., digital dashboard) project portfolio status demonstrating individual project cost, schedule, performance to ensure the continuous delivery of situational awareness for all <b>IRES</b> managed projects.
6	Establish/capture data required to accurately allocate assets and sustainment costs to the customer and be incorporated into the Chargeback/Showback model.

Outcome	Description
7	Enhance performance, accuracy, reliability, maintainability, deployability, survivability, and supportability of IT systems, subsystems, and equipment (including support equipment).
8	Reductions in life-cycle costs through the use of alternatives in system configurations that utilize current technology components and adapt common equipment to multiple requirements and applications; implementation of new approaches to system development and support, such as specifications, standards, and processes, using techniques such as process base-lining, modeling, and simulation; and management and process improvement techniques, process re-engineering, automation, configuration management, and quality assurance.
9	Increased system operational life through the evaluation and insertion of new technology into existing infrastructure components including their support systems and the modernization of existing support, maintenance, and repair processes.
10	Service Pipeline requirements analysis and technical requirements derivation resulting in the design of systems or processes to resolve specific problems or issues and the continuous, real-time monitoring of IT service health and automated IT event management systems.
11	Be presented to the government, prioritized, and executed to meet performance, schedule, and cost criteria.

Discrete Project Fulfillment Projects will appear in the Task Order PWS/PWS at 10.5.1...N and 1.5.1...N respectively.

Table 10.1

MST #	Title	ATP Date	CLIN Series
10.2.01	MDM Design	2/14/2018	1001
10.2.02	AO Waiver Tracking for All MDA	3/19/2018	1000
10.2.03	C2BMC Downloadable Unified Client	2/13/2018	1001
10.2.04	DVS CDS Implementation	2/12/2018	1001
10.2.05	RESERVED		
10.2.06	CE CDS Implementation	4/16/2018	1001
10.2.07	RESERVED		
10.2.08	Pathfinder CDS Update	5/7/2018	1000
10.2.09	CAP E-LMS	8/20/2018	1000
10.2.10	EMM AoA	9/10/2018	1000
10.2.11	GM MBIT AoA	9/18/2018	1001
10.3.01	EUCOM Classified Network	3/1/2018	1001
10.3.02	FGA 3001-142 Video Switch Upgrade	2/9/2018	1700
10.3.03	SNEA-A Lab Network Equipment Upgrade	4/11/2018	1001
10.3.04	Rational Publishing Engine 2.1 for DOORS	2/16/2018	1001
10.3.05	RESERVED		

10.3.06	RESERVED		
10.3.07	RESERVED		
10.3.08	TMC-ICN CSSP	2/9/2018	1001
10.3.09	RESERVED		
10.3.10	DE Remote Site Remote Site Enhancments	2/22/2018	1000
10.3.11	Sulf and Mine ULAN/CLAN for FTX-35/36	2/13/2018	1001
10.3.12	VBIII SAP area Environmental Monitoring	2/28/2018	1001
10.3.13	VoIP Router to MDIOC	2/23/2018	1001
10.3.14	DP Cubicle Reconfig Bldg 3302	2/14/2018	1001
10.3.15	SS MSSCF LAN Compliance	3/30/2018	1001
10.3.16	2FAaaS - SNEA/TC Labs	3/12/2018	1001
10.3.17	RESERVED		
10.3.18	DT Surface Pro 4 Fielding	3/30/2018	1001
10.3.19	MDA/DA Employee RA Request Project	4/23/2018	1000
10.3.20	UTDAN Migration to Enterprise Boundary	4/10/2018	1000
10.3.21	RESERVED		
10.3.22	CWTC Offsite	5/7/2018	1001
10.3.23	RESERVED		
10.3.24	Web-enabled secure platform (CDMZ)	5/8/2018	1000
10.3.25	AB Remote Site Enhancements	5/2/2018	1001
10.3.26	JFTM-05 Event Support	5/7/2018	1001
10.3.27	Network Support for TAC Site 19	5/4/2018	1001
10.3.28	GTD-07b (E/C) Event Spt	5/14/2018	1001
10.3.29	Lockheed Martin Moorestown CSSP	6/4/2018	1001
10.3.30	JFTM-5 Video to Ichigaya	5/22/2018	7500
10.3.31	JWICS Equip Purchase - TAA Compliant	6/7/2018	1000
10.3.32	RESERVED		
10.3.33	RESERVED		
10.3.34	VBIII SAP area Environmental Monitoring	6/7/2018	1000
10.3.35	SAP Procurement	7/11/2018	1001
10.3.36	Site 1 Reconfiguration	6/22/2018	1001
10.3.37	ICVA CVT Laptops	7/24/2018	1000
10.3.38	AB SAP Expansion	6/22/2018	1001
10.3.39	JWICS Equip Purchase - TAA Compliant	6/29/2018	1001
10.3.40	BME DT Security	7/24/2018	1001
10.3.41	JFCC B400	8/9/2018	1700
10.3.42	vIPer Procure	7/16/2018	1700
10.3.43	TC S3I		
10.3.44	Crypto Procure	7/16/2018	1001

10.3.45	Guam FTO-03	8/7/2018	1001
10.3.46	SciTec CNET	8/20/2018	1001
10.3.47	eSBIE App	9/17/2018	1000
10.3.48	VBIV FLO Space Reconfig	8/21/2018	1001
10.3.49	MITRE Bedford [1001]	8/14/2018	1001
10.3.50	VoIP Updates	9/24/2018	1000
10.3.51	RedSeal	9/26/2018	1000
10.3.52	PMRF M27	9/21/2018	1001
10.3.53	JFCC IMD SharePoint	10/3/2018	1700
10.3.54	2018 MNC Brussels	9/5/2018	1001
10.3.55	Aerospace HSV	9/17/2018	1001
10.3.56	WAPS Configuration	10/3/2018	1000
10.3.57	SSEB-C	10/1/2018	1000
10.3.58	IMD Reconfigure	10/3/2018	1700
10.3.59	FTM-45	9/26/2018	1001
10.3.60	Hickam PTOC	10/1/2018	1001
10.3.61	SAP		
10.3.62	SSEB-U		
10.3.63	Andover		
10.3.64	GM Moves	10/16/2018	1001
10.3.65	SSD Disintegrator		
10.3.66	Palmdale GT-228	11/1/2018	1001
10.4.01	Fly-Away Kit for BAE-1	2/8/2018	1001
10.4.02	Empower Earned Value Software	1/29/2018	1001
10.4.03	JIPCAN at PSCA	2/16/2018	1001
10.4.04	ViaSat in Carlsbad, CA	3/1/2018	1001
10.4.05	New Persistent Site at Shaw AFB	2/28/2018	1001
10.4.06	UEWR Fylingdales - Classified Transport	5/30/2018	1001
10.4.07	UEWR Thule RDE	5/30/2018	1001
10.4.08	Mod_J CDS Implementation	3/30/2018	1001
10.4.09	SED Reconnect Phase 3	4/30/2018	1001
10.4.10	RESERVED		
10.4.11	FTA-01 Kodiak UNet CNet Event Services	5/21/2018	1001
10.4.12	CNET at Sites K, 512, 4A, KCS & Shariki	5/10/2018	1000
10.4.13	RESERVED		
10.4.14	RESERVED		
10.4.15	Lockheed Martin Sunnyvale CNET	5/7/2018	1001

10.4.16	Boeing Huntington Beach CNET	5/17/2018	1001
10.4.17	General Atomics CNET Extension	5/7/2018	1000
10.4.18	JIPCAN Upgrade Tel Aviv	5/17/2018	1001
10.4.19	RIMPAC 2018 IT Services Support	5/14/2018	1001
10.4.20	Extend MWS to JHU/APL and AeroHSV	5/30/2018	1001
10.4.21	CCTV Upgrade	7/5/2018	1001
10.4.22	RESERVED		
10.4.23	HNL LM	8/8/2018	1001
10.4.24	Hardy Barracks Refurb	8/30/2018	1001
10.4.25	SMDC OnGuard and CCTV	9/11/2018	1700
10.4.26	RCTN Cnet	9/20/2018	1001
10.4.27	Enterprise Voice Enhancement [1000]	9/24/2018	1000
10.4.28	VoIP Updates		
10.4.29	New Site Support	8/27/2018	1001
10.4.30	RISA		
10.4.31	MWS Extensions	9/25/2018	1001
10.4.32	Peraton		
10.4.33	TMCE Migration	10/9/2018	1001
10.4.34	FGA Serv Redundancy	10/1/2018	1700
10.4.35	RESERVED		
10.4.36	Wake Island Spt	10/10/2018	1001
10.5.01	Rescope Efforts	3/9/2018	1002
10.5.02	Network Capacity Upgrades	3/27/2018	1000
10.5.03	SAN Fabric Tech Refresh	3/27/2018	1000
10.5.04	Email Search and Data Loss Prevention	PPWP	1000
10.5.05	CND Service Standardization & Implement	3/27/2018	1000
10.5.06	Windows Server Migration	5/11/2018	1000
10.5.07	Network Printer Refresh	5/11/2018	1000
10.5.08	Server Tech Refresh	5/11/2018	1000
10.5.09	Automatic Transfer Switch Replacement	5/11/2018	1000
10.5.10	Linux Migration	5/11/2018	1000
10.5.11	Network Switch Upgrades	PPWP	1000
10.5.12	Boundary Capacity Upgrades	5/11/2018	1000
10.5.13	SDN Hardware Install	5/11/2018	1000
10.5.14	Reserved		
10.5.15	Bldg 247 Implement	6/28/2018	1001
10.5.16	GM Primavera	6/28/2018	1001

10.5.17	JWICS Network Infrastructure and End User Device Tech Refresh	Rev D	1001
10.5.18	Wake Island Test Support Facility	Rev D	1001
10.5.19	PRIDE Reporting Database Server	Rev D	1001
10.5.20	CLAN Project Server	Rev D	1000
10.5.21	Unclassified Enterprise Storage	Rev D	1000

## Attachment A to 8700 PWS:

### 10.5.002 Network Capacity Upgrades

Project Champion: Kevin Froscello

Background: Increased cybersecurity discipline, mission OPTEMPO, and test event data transfers have multiplied network traffic at an exponential rate. The current 1Gbps WAN DREN circuits are peaking at over 90% utilization causing latency/degradation for Mission Enclaves and ADMIN/GENSER enclaves. DREN circuits at COS and HSV are being upgraded to 2.5Gbps, but the current MDA Perimeter/WAN/LAN/Boundary hardware is limited to only 1Gbps throughput. Current NetOps toolset does not provide a holistic view of the WAN resulting in reactive monitoring versus proactive monitoring.

Tasking: The contractor shall:

- Implement 10Gbps throughput capability at the external perimeter, WAN edges, and LAN cores.
- Explore new technology to provide agile, secure, high speed, low latency network transport connectivity to support critical mission and event data transfer needs
- Deploy additional netops tools capability (netflow data, and hardware capacity)
- Backfill SDPs that were pulled from inventory for SED/AMRDEC/ARC (6 - 4451)

#### 2.1 Project Management

The contractor shall provide project management oversight. The contractor shall perform liaison and communication activities with Project Champion and project stakeholders (including customer, Architecture and Engineering). The contractor shall be responsible for the delivery and quality control of all required project documentation in support of service architecture, engineering and design. The contractor shall provide the products listed below:

Project Management		
Product	Product Type	% Complete
Project Plan	Document	100%
Financial Reports	Report	100%
Variance (schedule and cost)	Report	100%
Briefings	Slide Package	100%
Candidate Risks	Slide Package	100%
Weekly Activity Report	Document	100%
Monthly Project Review	Slide Package	100%
Meeting Minutes and Action Items	Document	100%
Project Closeout Documents	Document	100%

#### 2.2 Requirements [RESERVED]

#### 2.3 Architecture [RESERVED]

## 2.4 Preliminary Design [RESERVED]

## 2.5 Detail Design [RESERVED] combined with IRR

## 2.6 IAM/IAO IA Assessment, Reviews and Documentation

The contractor shall initiate the Information Assurance Assessment; coordinate the assessment feedback with the Detailed Design Review; coordinate the RMF package approval in conjunction with the construction of the Implementation Readiness Plan/Review; and deliver the RMF package to IAM/IAO.

Information Assurance		
Product	Product Type	% Complete
RMF/DIACAP	Document	100%

## 2.7 Procurement

Contractor shall propose IT equipment, software licenses, warranty, vendor support, travel, ODC and labor, a subsequent or additional RFP is not planned. Contractor is authorized to procure upon task award, based on the negotiated cost proposal.

## 2.8 Implementation Readiness

The contractor shall establish the Implementation Engineering details for each site. The contractor shall present the Implementation Engineering details to the EAB Implementation Readiness Review (IRR) for government approval. The contractor shall provide the products listed below:

Implementation Readiness Package		
Product	Product Type	% Complete
Service Viewpoint (SvcV-1)	Diagram	100%
SV-1 Update	Diagram	100%
CONOPS Update	Document	100%
Detailed Design	Slide Package	100%
Implementation Plan	Slide Package	100%
System Test Plan	Slide Package	100%
Risk Register Update	Slide Package	100%
Vendor Maintenance	Slide Package	100%
Change Management Documentation (CRQ/DDIP)	Document	75%
Customer / User Communications Plan	Slide Package	100%
ICD Updates (Draft)	Document	50%

## 2.9 Facility Modification [RESERVED-none projected]

## 2.10 IT Installation

The contractor shall install in compliance with the Configuration Management processes, IRR and the RMF/DIACAP documentation and validate operational acceptability through testing. The contractor shall provide the products listed below:

IT Installation		
Product	Product Type	% Complete
Change Management Documentation (CRQ/DDIP)	Document	100%
Update ICD with as-built documentation	Document	100%
Test Results	Document	100%

## 2.11 O&M Standard Operating Instructions/Procedures (SOI/P) [RESERVED]

## 2.12 Operational Readiness [RESERVED]

## 2.13 Transition to O&M

Upon successful completion of the SOI/P, OLA exercises and installation testing, the project will transition to RBA crews for operations and maintenance.

## 2.14 Milestones

Milestone	Schedule
DDR/IRR	90 DA ATP
Procurement (Open)	45 DA ATP
Procurement (Receipt)	40 DA Procurement OPEN
Installation	163 DA IRR and Procurement RECEIPT
Phase I	45 DA IRR and Procurement RECEIPT
Phase II	45 DA Phase I
Phase III	60 DA IRR
Phase IV	15 DA Phase II
Phase V	15 DA Phase IV
Phase VI	21 DA Phase V
Phase VII	15 DA Phase VI
Phase VIII	7 DA Phase VII
Transition to O&M	15 DA Installation
Project Closeout	15 DA Transition to O&M

## 2.15 Project Close

During project close, there is a hand off between the Project Manager and the Service Owner to place the new product or service into a Product/Service Lifecycle. The project close element is relevant to completing the Project Lifecycle.

Closeout Documents		
Product	Product Type	% Complete
Configuration Management Baseline	Document	100%
Procurement Close	Document	100%
Lessons Learned	Document	100%
Final Report	Document	100%

Project GFI or GFE: (must provide GFI in GFI folder if listed here)

#### 1. Network Capacity NUFR Brief

### Task 10.5.003 SAN Fabric Tech Refresh

Project Champion: Alex Tomlinson

Background: The Core SAN fabric switches on the ULAN and CLAN are Cisco 9509s. The Cisco 9509 switches are going EoSL on 30 April 2019 and need to be replaced. Some Blade chassis and servers connected to the core SAN fabric may not support the new technology need to be upgraded as well.

Tasking: The contractor shall establish a core edge fabric topology for the SAN which includes the replacement of EoSL equipment. The contractor shall identify and replace all blade chassis and blade servers unable to support the new SAN fabric throughput. Evaluate, propose and implement all connected edge devices that don't meet the minimum standard. Solution should be aligned with Implementation of 10.5.004 Email Search and Data Loss Prevention (DLP).

### 3.1 Project Management

The contractor shall provide project management oversight. The contractor shall perform liaison and communication activities with Project Champion and project stakeholders (including customer, Architecture and Engineering). The contractor shall be responsible for the delivery and quality control of all required project documentation in support of service architecture, engineering and design. The contractor shall provide the products listed below:

Project Management		
Product	Product Type	% Complete
Project Plan	Document	100%
Financial Reports	Report	100%
Variance (schedule and cost)	Report	100%
Briefings	Slide Package	100%
Candidate Risks	Slide Package	100%
Weekly Activity Report	Document	100%
Monthly Project Review	Slide Package	100%
Meeting Minutes and Action Items	Document	100%
Project Closeout Documents	Document	100%

### 3.2 Requirements

The contractor shall capture the requirements (clearly delineating classification requirements) along with applicable Federal and DoD directives. The contractor shall coordinate the requirements with the government for concurrence. The contractor shall provide the products listed below:

Requirements Package		
Product	Product Type	% Complete
Requirements Traceability Matrix (RTM)	Document	40%
Requirements Slide Package	Slide Package	100%

### 3.3 Architecture

The contractor shall establish/document the architecture, review with government, and provide as part of the IRR package. The contractor shall provide the products listed below:

Architecture Package		
Product	Product Type	% Complete
Operational Viewpoint (OV-1)	Diagram	75%
Capability Viewpoint (CV-1)	Diagram	50%
Service Viewpoint (SvcV-1)	Diagram	25%
RTM Update	Document	50%
AoA / CoA	Slide Package	100%

### 3.4 Preliminary Design [RESERVED]

### 3.5 Detail Design [RESERVED]

### 3.6 IAM/IAO IA Assessment, Reviews and Documentation

The contractor shall initiate the Information Assurance Assessment; coordinate the RMF package approval in conjunction with the construction of the Implementation Readiness Plan/Review; and deliver the RMF package to IAM/IAO.

Information Assurance		
Product	Product Type	% Complete
RMF/DIACAP	Document	100%

### 3.7 Procurement

Contractor shall propose IT equipment, software licenses, warranty, vendor support, travel, ODC and labor, a subsequent or additional RFP is not planned. Contractor is authorized to procure upon task award, based on the negotiated cost proposal.

### 3.8 Implementation Readiness

The contractor shall establish the Implementation Engineering details for each site. The contractor shall present the Implementation Engineering details to the ERB Implementation Readiness Review (IRR) for government approval. The contractor shall provide the products listed below:

Implementation Readiness Package		
Product	Product Type	% Complete
Operational Viewpoint (OV-1)	Diagram	100%
Capability Viewpoint (CV-1)	Diagram	100%
Service Viewpoint (SvcV-1)	Diagram	100%
SV-1 Update	Diagram	100%
CONOPS Update	Document	100%
RTM Update	Document	100%
Detailed Design	Slide Package	100%
Implementation Plan	Slide Package	100%
System Test Plan	Slide Package	100%
Risk Register Update	Slide Package	100%
Vendor Maintenance	Slide Package	100%
Change Management Documentation (CRQ/DDIP)	Document	75%
Responsibility Assignment Matrix (RACI Matrix)	Document	100%
Customer / User Communications Plan	Slide Package	100%
ICD Updates (Draft)	Document	50%

### 3.9 [Facility Modification-not projected]

#### 3.9 IT Installation

The contractor shall install in compliance with the Configuration Management processes, IRR and the RMF/DIACAP documentation and validate operational acceptability through testing. The contractor shall provide the products listed below:

IT Installation		
Product	Product Type	% Complete
Change Management Documentation (CRQ/DDIP)	Document	100%
Update ICD with as-built documentation	Document	100%
Test Results	Document	100%
RTM (Complete)	Document	100%

### 3.11 O&M Standard Operating Instructions/Procedures (SOI/P) [RESERVED]

### 3.12 Operational Readiness [RESERVED]

### 3.13 Transition to O&M

Upon successful completion of the SOI/P, OLA exercises and installation testing, the project will transition to RBA crews for operations and maintenance.

### 3.14 Milestones

Milestone	Schedule
DDR/IRR	45 DA ATP
Procurement (OPEN)	45 DA ATP
Procurement (RECEIPT)	45 DA Procurement OPEN
IT Installation	60 DA Procurement RECEIPT
Transition to O&M	20 DA Installation
Project Closeout	15 DA Transition to O&M

### 3.15 Project Close

During project close, there is a hand off between the Project Manager and the Service Owner to place the new product or service into a Product/Service Lifecycle. The project close element is relevant to completing the Project Lifecycle.

Closeout Documents		
Product	Product Type	% Complete
Configuration Management Baseline	Document	100%
Procurement Close	Document	100%
Lessons Learned	Document	100%
Final Report	Document	100%

## 10.5.004 Email Search and Data Loss Prevention (DLP) [PPWP]

Project Champion: Bob Zwick / Michael Freeman

KSR: 000000252133

Background: Data loss prevention and data spillage detection are high-priority areas of concern for MDA's unclassified network. Detailed, accurate, and timely visibility into user/client interactions through tools including, but not limited to, email, SharePoint, Skype/Lync, and network shares, is a critical capability. A Data Loss Prevention (DLP) solution that enhances Data at Rest and Data in Motion monitoring, reporting, and blocking (as appropriate) is needed. This solution will provide the MDA with additional protection from data loss and provide incident notification to the CERT team. The solution will identify storage capacity constraints.

An Analysis of Alternatives (AoA) was performed by the contractor in January, 2017. A design including ForcePoint Triton AP-DATA was recommended by the contractor. The government concurred with the recommendation.

Tasking: Using the AoA recommendation, the contractor shall leverage industry practices and MDA knowledge to implement the solution that provides the MDA CERT

with effective and efficient capabilities to search user email, SharePoint, Skype and network shares for malicious content, classification spillage, and indicators of data compromise and misuse. The contractor shall procure equipment and/or software, and implement the solution.

The solution shall include a user interface/tool that enables the ability to search email, SharePoint, skype messages, network shares, etc.. The solution shall not drive or otherwise dictate changes to current online storage architecture and policies, but shall be scalable to provide the potential to accomplish requirements identified in the AoA. The system shall be configured to reactively scan email, network shares, SharePoint sites and Skype/Lync messages. It will also be configured to proactively scan, extract necessary data, and report on messages.

The Contractor shall demonstrate the solution capabilities to the Project Champion, government stakeholders, and end users prior to Transition to O&M.

#### 4.1 Project Management

The Contractor shall provide project management oversight. The Contractor shall perform liaison and communication activities with Project Champion and project stakeholders (including customer, Architecture and Engineering). The Contractor shall be responsible for the delivery and quality control of all required project documentation in support of service architecture, engineering and design. The Contractor shall invite the Project Champion, government stakeholders, and end users to Contractor engineering reviews. The Contractor shall provide the products listed below:

Project Management		
Product	Product Type	% Complete
Project Plan	Document	100%
Financial Reports	Report	100%
Variance (schedule and cost)	Report	100%
Briefings	Slide Package	100%
Candidate Risks	Slide Package	100%
Weekly Activity Report	Document	100%
Monthly Project Review	Slide Package	100%
Meeting Minutes and Action Items	Document	100%
Project Closeout Documents	Document	100%

#### 4.2 Requirements [RESERVED]

\*\* NOTE: Requirements should be provided within proposal and agreed to in negotiations, if possible.

#### 4.3 Architecture [RESERVED]

#### 4.4 Preliminary Design [RESERVED].

#### 4.5 Detail Design [RESERVED].

#### 4.6 IAM/IAO IA Assessment, Reviews and Documentation

The contractor shall initiate the Information Assurance Assessment, coordinate the assessment feedback with the Implementation Readiness Review; coordinate the RMF package approval in conjunction with the installation; and deliver the RMF package to AO for approval.

Information Assurance		
Product	Product Type	% Complete
RMF (ATO/IATT)	Document	100%

#### 4.7 Procurement

Contractor is authorized to procure all IT and ODC as negotiated upon task award. These items will be proposed upfront; no subsequent or additional RFP is planned.

#### 4.8 Implementation Readiness

The contractor shall establish the Implementation Engineering details. The contractor shall present the Implementation Engineering details to the EAB for government (and customer) approval. The contractor shall provide the products listed below:

Implementation Readiness Package		
Product Activity	Product Type	% Complete
Operational Viewpoint (OV-1) Update	Diagram	100%
Capability Viewpoint (CV-1) Update	Diagram	100%
SV-1 Update	Diagram	100%
Service Viewpoint (SvcV-1) Update	Diagram	100%
Detailed Design	Slide Package	100%
COOP DR / Backup Plan	Slide Package	100%
Implementation Plan	Slide Package	100%
Implementation Test Plan	Slide Package	100%
Risk Register Update	Slide Package	100%
Vendor Maintenance	Slide Package	100%
Monitoring Trap and Polling	Slide Package	100%
Change Management Documentation (CRQ/DDIP)	Document	75%
Responsibility Assignment Matrix (RACI Matrix)	Document	100%
ICD Updates (Draft)	Document	75%
RTM Update	Document	75%
CONOPS	Document	100%
User/O&M Training Plan	Slide Package	100%

#### 4.9 Facility Modification – not projected

The contractor shall ensure the required facility modifications (such as power, HVAC, cabling, PDC, etc.) are completed as defined within the IRR prior to performing the installation.

#### 4.10 IT Installation

The contractor shall install in compliance with the Configuration Management processes, IRR and the RMF/DIACAP documentation and validate operational acceptability through testing. Project Champions will be invited to observe significant installation actions. The contractor shall provide the products listed below:

<b>IT Installation</b>		
Product	Product Type	% Complete
Change Management Documentation (CRQ/DDIP)	Document	100%
Update ICD with as-built documentation	Document	100%
STIG Checklist	Document	100%
Test Results	Document	100%
RTM (Complete)	Document	100%

#### 4.11 O&M Standard Operating Instructions/Procedures (SOI/P)

The contractor shall develop RBA crew SOI/P and Operational Level Agreements (OLAs), and ensure the O&M crew members are trained and in-place to support the execution. The contractor shall establish and exercise the crew related SOI/Ps and OLAs. The contractor shall provide the products listed below:

<b>O&amp;M Standard Operating Instructions/Procedures (SOI/P)</b>		
Product	Product Type	% Complete
Standard Operating Instructions/Procedures (SOI/P)	Document	100%

#### 4.12 Operational Readiness [RESERVED]

#### 4.13 Transition to O&M

Upon successful completion of the SOI/P, OLA exercises and installation testing, the project will transition to RBA crews for operations and maintenance.

#### 4.14 Milestones

<u>Milestone</u>	<u>Schedule</u>
IRR	75 DA ATP
Procurement (OPEN – PO placed)	30 DA IRR
Procurement (Receipt)	30 DA Procurement OPEN
Installation	75 DA IRR approval and Procurement Receipt
Transition to O&M	15 DA Installation
Project Finish	15 DA Transition to O&M

#### 4.15 Project Close

During project close, there is a hand off between the Project Manager and the Service Owner to place the new product or service into a Product/Service Lifecycle. The project close element is relevant to completing the Project Lifecycle.

Closeout Documents		
Product	Product Type	% Complete
Configuration Management Baseline	Document	100%
Procurement Close	Document	100%
Lessons Learned	Document	100%
Final Report	Document	100%

Project GFI or GFE: Message Tracking Shark and Event Log Query AoA, 23 JAN 2017

#### 10.5.005 CND Service Standardization and Implementation

Project Champion: Jeremy Abbott / Frank Gearhart

##### Background:

In order to comply with evolving requirements for the SECDEF's mandated cybersecurity 4 Lines of Effort (implement strong authentication (PKI/CAC), harden devices, reduce the attack surface, and align to CSSP-CERT), this task will implement a robust, extensible security architecture to support current and future end point security capabilities as well as continuous monitoring to Tier 3 (2-letter), Tier 2 (CSSP-CERT), and Tier 1 (DoD) resources. (Ref: SECDEF "DoD Cybersecurity Discipline Implementation Plan" Feb 2016). 8402 MOD O Task 190 CND Remote Site Integration designed and deployed CND services, hosted locally on ICTO managed Riverbed Steel Fusion Edge appliances, to CNET connected networks and isolated labs at remote sites. The deployed CND services integrated into existing MDA CND monitoring and reporting capabilities and provide CSSP-CERT visibility to the remote site networks/labs. However, due to time constraints 8 of the remote sites were not completed and de-scoped from Task 190. The intent of this effort is to provide an integrated approach to providing CND services by site to limit the number of times the site is impacted by downtime or providing support to the implementation team(s).

##### Tasking:

The contractor shall plan and implement a phased consolidated effort to provide CND services to MDA enclaves. The strategy shall be proposed with the initial effort providing the consolidated/standardized architecture and services with the initial sites/enclaves that can be completed with existing inventory.

The contractor, using TDL 20160812-01GM Site CND Integration, shall perform verification of all MDA CNET network enclaves at principal/major/remote sites to verify the number of current sites that need to have CND services deployed, as well as which

sites require option 1 and/or option 2, to ensure all CNET network enclaves are aligned to the CSSP-CERT. The contractor shall eliminate the sites that were completed under Task 190 and ISOLANs (ISOLANs will be addressed in a future task order with the exception of GFI provided sites), with the priority being the remaining Task 190 sites and GFI provided list of enclaves and sites. The contractor shall utilize all procurements from Task 190 before procuring additional equipment and materials.

The contractor, using TDL 20170907-01 CERT Enclave AoA as a reference, shall provide a strategy to protect CSSP-CERT tools, and implement the government selected solution. The contractor shall provide and implement a solution to consolidate security centers (to extent possible) to the MDA Enterprise security center. The contractor shall, in conjunction with the government PMs and ISSMs, identify and classify the critical assets throughout the enterprise that need to be monitored. The contractor shall provide connectivity for updates to PKI certificates, including CRLs and OCSP capabilities. The contractor shall present a solution to the government and deploy smart connectors to support CSSP-CERT's Cyber security mission. The contractor shall deploy WSUS/YUM services to ensure all sites are receiving updates from the enterprise. The contractor shall deploy ArcSight Smart Connectors and Event Broker ArcSight infrastructure throughout the enterprise in such a way as to maximize the existing Microfocus Enterprise Licensing Agreement (ELA).

The phased approach shall be as follows:

Phase 1:

1. Data validation and taxonomy based on approved CYBERCOM, DoD, and MDA standards (GFI). This includes a standard for site, location, and system names compatible with MDA Enterprise Data Repository.
2. Identification of critical assets based on the Key Cyber Terrain (KTC) criteria from CYBERCOM.
3. Development of a CONOPS that supports federated reporting.
4. Ensuring all site information is current and complete.
5. Development of an initial site or enclave installation rollout plan.
6. Back office preparation, installation, configuration, and testing, including enterprise-level capacity.
7. Infrastructure verification, installation (as required), configuration, and testing to enterprise-level capacity.
8. CSSP-CERT tool protection as described above.

Phase 2: Successful installation at proof-of-concept sites or enclaves for CoA 1 & CoA 2.

Phase 3: Installation of CND services at MDA sites using a published installation rollout plan and priority:

1. Sites and enclaves where the responsible MDA 2-ltr has already provided funds
2. Sites and enclaves with minimal obstacles to successful implementation (e.g., size, complexity, etc.)

3. Sites and enclaves with a large number of hosts
4. Sites and enclaves under the responsibility of MDA/DTS
5. All remaining sites and enclaves that can be completed by 28 December 2018.

It is expected that 5-7 sites or enclaves per month is achievable during phase 3.

The contractor shall:

1. Develop and implement a single Host Based Security System (HBSS) and e-Policy Orchestrator (ePO) architecture for all MDA systems to support centralized, automated visibility and reporting of all information systems in Mission Support Systems and Admin/GENSER to the MDA CSSP-CERT.
  - a. The architecture will consolidate all existing ePolicy Orchestrators (ePOs) containers down to two main containers (i.e., Admin/GENSER and Mission Support Systems) on both the unclassified MDA network and classified MDA network.
  - b. The architecture will effectively integrate with the existing MDA Security Incident & Event Management (SIEM) architecture and data flow.
2. For both the classified and unclassified MDA networks, propose and implement an HBSS/ENS release strategy that includes the following:
  - a. validation of the existing technical infrastructure
  - b. recommended upgrades (infrastructure, software, etc.)
  - c. consolidation of ePOs,
  - d. implementation of ENS modules as the technology matures
  - e. a site/enclave rollout plan that incorporates customer needs, event schedule, and efficient coordination with related tasks to minimize duplicative work. Where possible, the rollout plan shall prioritize those sites where a large number of HBSS/ENS clients reside.
3. Develop and leverage Enterprise Architecture Data attributes consistent with JHFQ DoDIN / CYBERCOM guidance
4. Ensure HBSS repositories are exported to an aggregated and normalized data set for MDA Enterprise use.
5. Ensure all appropriate Data Exchange Agreements (DEAs) are in effect.
6. Integrate ePO security events leveraging open DXL or other integration techniques with MDA SIEM architecture.
7. Provide the appropriate reporting capabilities to agency Tier 3 and CSSP-CERT resources to support continuous monitoring.
8. The contractor shall ensure the following to meet the intent of this task:
  - a. Remote ArcSight implementations are sending logs back to the enterprise ArcSight.
  - b. Remote ENS is deployed and seen within the enterprise EPO.
  - c. ACAS is deployed and functioning in the 2-Letter Security Center.

The contractor shall ensure that the technical and data architectures (including normalized, aggregated data sets) implemented by this task effectively and efficiently support HBSS/ENS and other MDA security tools, such as ArcSight and ACAS, and is

consistent with the reference architecture in the “Task 4 MDA Cybersecurity Reference Architecture DA-1707-057-8402” dated 1 August 2017.

#### 10.5.005.1 Project Management

The contractor shall provide project management oversight. The contractor shall perform liaison and communication activities with Project Champion and project stakeholders (including customer, Architecture and Engineering). The contractor shall be responsible for the delivery and quality control of all required project documentation in support of service architecture, engineering and design. The contractor shall provide the products listed below:

Project Management		
Product	Product Type	% Complete
Project Plan	Document	100%
Financial Reports	Report	100%
Variance (schedule and cost)	Report	100%
Briefings	Slide Package	100%
Candidate Risks	Slide Package	100%
Weekly Activity Report	Document	100%
Monthly Project Review	Slide Package	100%
Meeting Minutes and Action Items	Document	100%
Project Closeout Documents	Document	100%

#### 10.5.005.2 Requirements [RESERVED]

#### 10.5.005.3 Requirements / Architecture

The contractor shall establish the architecture and perform an analysis of the requirements and direction. The contractor shall provide the products listed below:

Requirements Package (Release 2)		
Product	Product Type	% Complete
Requirements Traceability Matrix (RTM)	Document	40%
Requirements Slide Package	Slide Package	100%

Architecture Package		
Product	Product Type	% Complete
Operational Viewpoint (OV-1)	Diagram	75%
Capability Viewpoint (CV-1)	Diagram	50%
Service Viewpoint (SvcV-1)	Diagram	25%
RTM Update	Document	50%
Delta Site Cost Proposal	Slide Package	100%

#### 10.5.005.4 Preliminary Design [RESERVED]

#### 10.5.005.5 Detail Design [RESERVED]

#### 10.5.005.6 IAM/IAO IA Assessment, Reviews and Documentation

The contractor shall initiate the Information Assurance Assessment, based on the DDR information; coordinate the assessment feedback with the Detailed Design Review; coordinate the RMF package approval in conjunction with the construction of the Implementation Readiness Plan/Review; and deliver the RMF package to ISSM/ISSO.

Information Assurance		
Product	Product Type	% Complete
RMF	Document	100%

#### 10.5.005.7 Procurement

After the Detailed Design Review, the contractor shall, based upon the Government Contracting Officer request, submit a cost proposal with Basis of Estimate (BOE) containing the defined Bill of Materials, Facility Modification definitions and cost, and/or IT equipment/software license, warranty, Installation and vendor support costs, and associated labor for items 10.5.005.7 through 10.5.005.11. Procurement of IT / ODC / Labor will be accomplished as negotiated from the Cost Proposal.

Or

Contractor shall propose IT equipment, software licenses, warranty, vendor support, travel, ODC and labor, a subsequent or additional RFP is not planned. Contractor is authorized to procure upon task award, based on the negotiated cost proposal.

#### 10.5.005.8 Detailed Design / Implementation Readiness

The contractor shall establish the Implementation Engineering details for each site. The contractor shall present the Implementation Engineering details to the ERB/EAB Implementation Readiness Review (IRR) for government (and customer) approval. The contractor shall provide the products listed below:

Detailed Design / Implementation Readiness Package		
Product	Product Type	% Complete
Change Management Documentation (CRQ/DDIP)	Document	75%
Responsibility Assignment Matrix (RACI Matrix)	Document	100%
ICD Updates (Draft)	Document	25%
Customer / User Communications Plan	Slide Package	25%
User/O&M Training Plan	Slide Package	100%
Implementation Test Plan	Slide Package	100%
SvcV-1 Update	Diagram	100%
SV-1 Update	Diagram	100%
Rack Elevation Drawing	Diagram	100%

<b>Detailed Design / Implementation Readiness Package</b>		
Product	Product Type	% Complete
Facility Layout Drawing	Diagram	100%
CONOPS Update	Document	75%
RTM Update	Document	90%
BOM/ROM Update	Document	100%
Detailed Design	Slide Package	100%
DRCOOP / Backup Plan	Slide Package	100%
Implementation Plan	Slide Package	100%
Risk Register Update	Slide Package	100%
Vendor Maintenance	Slide Package	100%
Monitoring Trap and Polling	Slide Package	100%
DIV-1 Conceptual Data Model	Document	100%
DIV-2 Logical Data Model	Document	100%
DIV-3 Physical Data Model	Document	100%
StdV-1 Standards Profile	Document	100%
BOM/ROM Update	Document	100%

#### 10.5.005.9 Facility Modification

The contractor shall ensure the required facility modifications (such as power, HVAC, cabling, PDC, etc.) are completed as defined within the IRR prior to traveling to the site to perform installation.

#### 10.5.005.10 IT Installation

The contractor shall install in compliance with the Configuration Management processes, IRR and the RMF/DIACAP documentation and validate operational acceptability through testing. The contractor shall provide the products listed below:

<b>IT Installation</b>		
Product	Product Type	% Complete
Change Management Documentation (CRQ/DDIP)	Document	100%
Update ICD with as-built documentation	Document	100%
Test Results	Document	100%
RTM (Complete)	Document	100%

#### 10.5.005.11 O&M Standard Operating Instructions/Procedures (SOI/P)

The contractor shall develop RBA crew SOI/P and Operational Level Agreements (OLAs), and ensure the O&M crew members are trained and in-place to support the execution. The contractor shall establish and exercise the crew related SOI/Ps and OLAs. The contractor shall provide the products listed below:

O&M Standard Operating Instructions/Procedures (SOI/P)		
Product	Product Type	% Complete
Standard Operating Instructions/Procedures (SOI/P)	Document	100%

10.5.005.12 Operational Readiness [RESERVED]

10.5.005.13 Transition to O&M

Upon successful completion of the SOI/P, OLA exercises and installation testing, the project will transition to RBA crews for operations and maintenance.

10.5.005.14 Milestones

Release 1	Schedule
Installation Complete Task 190	270 DAC

Release 2	Schedule
Requirements / Architecture (EAB)	80 DAC
Procurement (PO Placed) – Material for 4 delta sites / outstanding T190	30 DA Req / Arch
DDR / IRR (EAB),	40 DA Req / Arch
Procurement- RECEIPT	60 DA Procurement (PO Placed)
Installation - 4 delta sites	100 DA Procurement Receipt
SOIP / Transition to O&M	30 DA Installation of 4 delta sites
Project Closeout	15 DA SOI/P Transition to O&M

5.15 Project Close

During project close, there is a hand-off between the Project Manager and the Service Owner to place the new product or service into a Product/Service Lifecycle. The project close element is relevant to completing the Project Lifecycle.

Closeout Documents		
Product	Product Type	% Complete
Configuration Management Baseline	Document	100%
Procurement Close	Document	100%
Lessons Learned	Document	100%
Final Report	Document	100%

Project GFI or GFE: (must provide GFI in GFI folder if listed here)

1. DA-1707-057-8402 MDA Cyber RA
2. TDL20160812-01\_GM\_CND\_Int
3. MDA ePolicy Orchestrator Servers List
4. CERT Enclave AoA
5. Task 190 IRR EAB Rev2
6. Task 190 Site Integration

## **Task 10.5.006 Windows Server Migration from 2008 to 2016**

Project Champion: Mike Keltner

REQ #: KSR000000251469

Background: MDA utilizes the Microsoft Server Operating System (OS) as its baseline to provide IT services to the enterprise on the ULAN and CLAN network environments. The MDA currently has both version 2008 and 2012 implemented throughout the enterprise. Microsoft Server 2008 R2 SP1 will reach the end of extended support in January 2020. MDA has numerous servers with version 2008 in production throughout the environment. Because the operating system is the core from which all other applications and services are hosted, the upgrade of the operating system is a complex task with many dependencies and will require coordination with multiple software vendors. In February 2017 DISA released the STIG for Server 2016 paving the way for the required upgrade.

Tasking: The contractor shall migrate MDA Core Unclassified servers to Microsoft Server OS version 2016, where possible, and establish the framework for future migration of the MDA Core Classified servers and Class/Unclass member servers. The contractor shall review the existing architecture, recommend any changes to the architecture, develop a detailed upgrade path and initiate migration to a supported and stable version of the Microsoft Server 2016 operating system. All servers should be upgraded to a supported version prior to January 2019 to avoid increased support costs to the MDA.

### Goals:

- 1) Migrate ULAN core servers - 28 Physical; 255 Virtual (DCs, DNS, DHCP...)
- 2) Establish a list of servers and applications that will be affected for both the Classified and Unclassified networks.
- 3) Validate compatibility of applications and services with MDA 2 Letter offices
- 4) Establish a working group of application owners to minimize or eliminate any service disruptions
- 5) Identify all servers to be migrated or where possible decommissioned and conduct weekly team meetings with the PC on current status and progress made
- 6) Identify virtual resource allocations and possible migration opportunities to be performed in conjunction with ITIL test environments

### 10.5.006.1 Project Management

The contractor shall provide project management oversight. The contractor shall perform liaison and communication activities with Project Champion and project stakeholders (including customer, Architecture and Engineering). The contractor shall be responsible for the delivery and quality control of all required project documentation in support of service architecture, engineering and design. The contractor shall provide the products listed below:

Project Management		
Product	Product Type	% Complete
Project Plan	Document	100%
Financial Reports	Report	100%
Variance (schedule and cost)	Report	100%
Briefings	Slide Package	100%
Candidate Risks	Slide Package	100%
Weekly Activity Report	Document	100%
Monthly Project Review	Slide Package	100%
Meeting Minutes and Action Items	Document	100%
Project Closeout Documents	Document	100%

#### 10.5.006.2 Requirements

The contractor shall capture the requirements (clearly delineating classification requirements) along with applicable Federal and DoD directives. The contractor shall present the requirements package during the Architecture/Engineering ERB/EAB meetings for approval. The contractor shall provide the products listed below:

Requirements Package		
Product	Product Type	% Complete
Requirements Traceability Matrix (RTM)	Document	40%
Requirements Slide Package	Slide Package	100%

#### 10.5.006.3 Architecture [RESERVED]

#### 10.5.006.4 Preliminary Design [RESERVED]

#### 10.5.006.5 Detail Design [RESERVED]

The contractor shall establish the Detailed Design based on the approved EAB PDR while being compliant with DoD and MDA standards. The contractor shall present the Detailed Design to the EAB Detailed Design Review (DDR) for government and customer approval. The contractor shall provide the products listed below:

Detailed Design Package		
Product	Product Type	% Complete
SvcV-1 Update	Diagram	100%
SV-1 Update	Diagram	100%
Rack Elevation Drawing	Diagram	100%
Facility Layout Drawing	Diagram	100%
CONOPS Update	Document	75%
RTM Update	Document	90%
BOM/ROM Update	Document	100%
Detailed Design	Slide Package	100%

<b>Detailed Design Package</b>		
Product	Product Type	% Complete
DRCOOP / Backup Plan	Slide Package	100%
Implementation Plan	Slide Package	100%
Implementation Test Plan	Slide Package	75%
Risk Register Update	Slide Package	100%
Vendor Maintenance	Slide Package	100%
Monitoring Trap and Polling	Slide Package	100%

#### 10.5.006.6 IAM/IAO IA Assessment, Reviews and Documentation

The contractor shall initiate the Information Assurance Assessment, coordinate the RMF package and deliver the RMF package to IAM/IAO.

<b>Information Assurance</b>		
Product	Product Type	% Complete
RMF/DIACAP	Document	100%

#### 10.5.006.7 Procurement

Contractor shall propose IT equipment, software licenses, warranty, vendor support, travel, ODC and labor, a subsequent or additional RFP is not planned. Contractor is authorized to procure upon task award, based on the negotiated cost proposal.

#### 10.5.006.8 Implementation Readiness

The contractor shall establish the Implementation Engineering details for each site. The contractor shall present the Implementation Engineering details to the ERB/EAB Implementation Readiness Review (IRR) for government (and customer) approval. The contractor shall provide the products listed below:

<b>Implementation Readiness Package</b>		
Product	Product Type	% Complete
SvcV-1 Update	Diagram	100%
SV-1 Update	Diagram	100%
Rack Elevation Drawing	Diagram	100%
Facility Layout Drawing	Diagram	100%
CONOPS Update	Document	75%
RTM Update	Document	90%
BOM/ROM Update	Document	100%
Detailed Design	Slide Package	100%
DRCOOP / Backup Plan	Slide Package	100%
Implementation Plan	Slide Package	100%
Implementation Test Plan	Slide Package	100%
Risk Register Update	Slide Package	100%

<b>Implementation Readiness Package</b>		
Product	Product Type	% Complete
Vendor Maintenance	Slide Package	100%
Monitoring Trap and Polling	Slide Package	100%
Change Management Documentation (CRQ/DDIP)	Document	75%
Responsibility Assignment Matrix (RACI Matrix)	Document	100%
ICD Updates (Draft)	Document	25%
Customer / User Communications Plan	Slide Package	25%
User/O&M Training Plan	Slide Package	100%
Implementation Test Plan - Update	Slide Package	100%

#### 10.5.006.9 Facility Modification [RESERVED]

#### 10.5.006.10 IT Installation

The contractor shall install in compliance with the Configuration Management processes, IRR and the RMF/DIACAP documentation and validate operational acceptability through testing. The contractor shall provide the products listed below:

<b>IT Installation</b>		
Product	Product Type	% Complete
Change Management Documentation (CRQ/DDIP)	Document	100%
Update ICD with as-built documentation	Document	100%
Test Results	Document	100%
RTM (Complete)	Document	100%

#### 10.5.006.11 O&M Standard Operating Instructions/Procedures (SOI/P)

The contractor shall develop RBA crew SOI/P and Operational Level Agreements (OLAs), and ensure the O&M crew members are trained and in-place to support the execution. The contractor shall establish and exercise the crew related SOI/Ps and OLAs. The contractor shall provide the products listed below:

<b>O&amp;M Standard Operating Instructions/Procedures (SOI/P)</b>		
Product	Product Type	% Complete
Standard Operating Instructions/Procedures (SOI/P)	Document	100%

#### 10.5.006.12 Operational Readiness [RESERVED]

#### 10.5.006.13 Transition to O&M

Upon successful completion of the SOI/P, OLA exercises and installation testing, the project will transition to RBA crews for operations and maintenance.

#### 10.5.006.14 Milestones

<u>Milestone</u>	<u>Schedule</u>
Requirements	20 DAC
IRR	20 DA DDR or award
Installation	30 DA IRR
SOI/P	20 DA Install complete
Transition to O&M	20 DA ORR approval

#### **10.5.006 IRES Proposed Milestones (Phase I)**

<u>Milestone</u>	<u>Schedule</u>
Requirements	30 DAC
Preliminary Design	60 DA Requirements

##### **10.5.006.15 Project Close**

During project close, there is a hand off between the Project Manager and the Service Owner to place the new product or service into a Product/Service Lifecycle. The project close element is relevant to completing the Project Lifecycle.

<b>Closeout Documents</b>		
<b>Product</b>	<b>Product Type</b>	<b>% Complete</b>
Configuration Management Baseline	Document	100%
Procurement Close	Document	100%
Lessons Learned	Document	100%
Final Report	Document	100%

#### **Task 10.5.007 Network Printer Refresh [IC] [Rev B] [Phase I – Qty 72 / Phase II – Qty remaining PPWP]**

Project Champion: Scott Barkley  
[KSR251478 / INC2355010]

**Background:** MDA has standardized Lexmark printers throughout the environment. Several network print release printer models are end of life, or approaching end of life, and are not able to upgrade to the current firmware level, i.e. patching, scanning, and print release. Additionally, spare parts are limited and the vendor will no longer replace them under warranty.

**Tasking:** Based on the analysis conducted of critical network print release printers which are end of life or approaching end of life, based on age, usage, and location of device, the contractor shall evaluate, procure, and deploy Lexmark network print release printers across the classified and unclassified environments. The contractor shall provide a release plan to the project champion.

##### **10.5.007.1 Project Management**

The contractor shall provide project management oversight. The contractor shall perform liaison and communication activities with Project Champion and project stakeholders (including customer, Architecture and Engineering). The contractor shall be responsible for the delivery and quality control of all required project documentation in support of service architecture, engineering and design. The contractor shall provide the products listed below:

<b>Project Management</b>		
Product	Product Type	% Complete
Project Plan	Document	100%
Financial Reports	Report	100%
Variance (schedule and cost)	Report	100%
Briefings	Slide Package	100%
Candidate Risks	Slide Package	100%
Weekly Activity Report	Document	100%
Monthly Project Review	Slide Package	100%
Meeting Minutes and Action Items	Document	100%
Project Closeout Documents	Document	100%

10.5.007.2 Requirements/Analysis [RESERVED]

10.5.007.3 Architecture [RESERVED]

10.5.007.4 Preliminary Design [RESERVED]

10.5.007.5 Detail Design [RESERVED]

10.5.007.6 IAM/IAO IA Assessment, Reviews and Documentation

The contractor shall initiate the Information Assurance Assessment, coordinate the RMF package and deliver the RMF package to IAM/IAO.

<b>Information Assurance</b>		
Product	Product Type	% Complete
RMF/DIACAP	Document	100%

10.5.007.7 Procurement

Contractor shall propose IT equipment, software licenses, warranty, vendor support, travel, ODC and labor, a subsequent or additional RFP is not planned. Contractor is authorized to procure upon task award, based on the negotiated cost proposal.

10.5.007.8 Implementation Readiness [RESERVED]

10.5.007.9 Facility Modification [RESERVED]

#### 10.5.007.10 IT Installation

The contractor shall install in compliance with the Configuration Management processes, RMF/DIACAP documentation, and validate operational acceptability through testing. The contractor shall provide the products listed below:

IT Installation		
Product	Product Type	% Complete
Change Management Documentation (CRQ/DDIP)	Document	100%
Update ICD with as-built documentation	Document	100%
Test Results	Document	100%
RTM (Complete)	Document	100%
Release Plan	Document	100%

#### 10.5.007.11 O&M Standard Operating Instructions/Procedures (SOI/P) [RESERVED]

#### 10.5.007.12 Operational Readiness [RESERVED]

#### 10.5.007.13 Transition to O&M

Upon successful completion of the SOI/P, OLA exercises and installation testing, the project will transition to RBA crews for operations and maintenance.

#### 10.5.007.14 Milestones

Milestone	Schedule
Procurement	Upon Award
Installation	90 DA Receipt of Material
Transition to O&M	20 DA Install Complete

#### IRES Proposed Milestones

Milestone	Schedule
Procurement	Upon Award
Installation	90 DA Receipt of Material
Transition to O&M	20 DA Install Complete
Project Closeout	15 DA Transition to O&M

#### 10.5.007.15 Project Close

During project close, there is a hand off between the Project Manager and the Service Owner to place the new product or service into a Product/Service Lifecycle. The project close element is relevant to completing the Project Lifecycle.

Closeout Documents		
Product	Product Type	% Complete
Configuration Management Baseline	Document	100%

Procurement Close	Document	100%
Lessons Learned	Document	100%
Final Report	Document	100%

Project GFI or GFE: (must provide GFI in GFI folder if listed here)

2. X736 Refresh

### **Task 10.5.008: Server Tech Refresh**

Project Champion: Mike Keltner

REQ #: Server Tech Refresh

Background: Server hardware across the ULAN/CLAN/UDMZ/CDMZ/Zone A and B environments is reaching hardware obsolescence. These servers are critical to sustainment of MDA operations and must be addressed. The office of the MDA CIO must ensure the required server hardware remains current with supported industry hardware platforms and technology in order to provide secure and sustainable IT services and to maintain cost effective vendor support agreements. The scope of the refresh will include the physical hardware required to support a refresh of the virtual host servers utilized to support the Classified and Unclassified virtual environment.

Tasking: The contractor shall identify and refresh the top 25% of ULAN/CLAN server hardware based on EoL/EoS. The contractor shall present the implementation plan to the government prior to any server hardware replacements.

#### **10.5.008.1 Project Management**

The contractor shall provide project management oversight. The contractor shall perform liaison and communication activities with Project Champion and project stakeholders (including customer, Architecture and Engineering). The contractor shall be responsible for the delivery and quality control of all required project documentation in support of service architecture, engineering and design. The contractor shall provide the products listed below:

<b>Project Management</b>		
Product	Product Type	% Complete
Project Plan	Document	100%
Financial Reports	Report	100%
Variance (schedule and cost)	Report	100%
Briefings	Slide Package	100%
Candidate Risks	Slide Package	100%
Weekly Activity Report	Document	100%
Monthly Project Review	Slide Package	100%
Meeting Minutes and Action Items	Document	100%
Project Closeout Documents	Document	100%

#### 10.5.008.2 Requirements

As required to support the Implementation presentation, the contractor shall develop the RTM.

Requirements Package		
Product	Product Type	% Complete
Requirements Traceability Matrix (RTM)	Document	40%

#### 10.5.008.3 Architecture [RESERVED]

#### 10.5.008.4 Preliminary Design [RESERVED]

#### 10.5.008.5 Detail Design [RESERVED]

#### 10.5.008.6 IAM/IAO IA Assessment, Reviews and Documentation

The contractor shall initiate the Information Assurance Assessment, coordinate the RMF package and deliver the RMF package to IAM/IAO.

Information Assurance		
Product	Product Type	% Complete
RMF/DIACAP	Document	100%

#### 10.5.008.7 Procurement

Contractor shall propose IT equipment, software licenses, warranty, vendor support, travel, ODC and labor, a subsequent or additional RFP is not planned. Contractor is authorized to procure upon task award, based on the negotiated cost proposal.

#### 10.5.008.8 Implementation Readiness

The contractor shall establish the Implementation Engineering details and present to the ERB/EAB for government (and customer) approval. The contractor shall provide the products listed below:

Implementation Readiness Package		
Product	Product Type	% Complete
Change Management Documentation (CRQ/DDIP)	Document	75%
Responsibility Assignment Matrix (RACI Matrix)	Document	100%
ICD Updates (Draft)	Document	25%
Customer / User Communications Plan	Slide Package	25%
User/O&M Training Plan	Slide Package	100%
Implementation Test Plan - Update	Slide Package	100%

#### 10.5.008.9 Facility Modification [RESERVED]

#### 10.5.008.10 IT Installation

The contractor shall install in compliance with the Configuration Management processes and the RMF/DIACAP documentation and validate operational acceptability through testing. The contractor shall provide the products listed below:

IT Installation		
Product	Product Type	% Complete
Change Management Documentation (CRQ/DDIP)	Document	100%
Update ICD with as-built documentation	Document	100%
Test Results	Document	100%
RTM (Complete)	Document	100%

#### 10.5.008.11 O&M Standard Operating Instructions/Procedures (SOI/P) [RESERVED]

#### 10.5.008.12 Operational Readiness [RESERVED]

#### 10.5.008.13 Transition to O&M

Upon successful completion of installation testing, the servers will transition to RBA crews for operations and maintenance.

#### 10.5.008.14 Milestones

Milestone	Schedule
Procurement	Upon Award
IRR	20 DA award
Installation	30 DA IRR
Transition to O&M	20 DA ORR approval

#### 10.5.008 IRES Proposed Milestones (Phase I)

Milestone	Schedule
Requirements	30 DAC
Preliminary Design	60 DA Requirements

#### 10.5.008.15 Project Close

During project close, there is a hand off between the Project Manager and the Service Owner to place the new product or service into a Product/Service Lifecycle. The project close element is relevant to completing the Project Lifecycle.

Closeout Documents		
Product	Product Type	% Complete
Configuration Management Baseline	Document	100%

Procurement Close	Document	100%
Lessons Learned	Document	100%
Final Report	Document	100%

### **Task 10.5.009 Automatic Transfer Switch Replacement**

Project Champion: Jose Rivera

Background: During a recent project at the MDIOC, a rack mounted Automatic Transfer Switch (Server Technology's PTXL-HF16-1-02 Sentry Fail-Safe Power Tower PDU model) experienced high rates of failure resulting in power loss to rack equipment. Work performed in the area of interest disconnected one of two diverse feeds to rack mounted equipment; upon dual feed restoral, abnormal ATS functionality was noted in 43.75% of installed units. If the power load is switched from the current configuration due to maintenance, construction or unplanned failure, then power supplied to customer equipment through Server Technology's PTXL-HF16 ATS may be dropped.

Tasking: The contractor shall replace rack-mounted automatic transfer switches in the following MDIOC locations: Rm. 1201 contains 9 units, Rm. 122 contains 7 units, Rm 2201 contains 21 units, Rm 1110 contains 47 units (84 total known units). The contractor shall provide a release plan to the project champion.

#### **10.5.009.1 Project Management**

The contractor shall provide project management oversight. The contractor shall perform liaison and communication activities with Project Champion and project stakeholders (including customer, Architecture and Engineering). The contractor shall be responsible for the delivery and quality control of all required project documentation in support of service architecture, engineering and design. The contractor shall provide the products listed below:

<b>Project Management</b>		
<b>Product</b>	<b>Product Type</b>	<b>% Complete</b>
Project Plan	Document	100%
Financial Reports	Report	100%
Variance (schedule and cost)	Report	100%
Briefings	Slide Package	100%
Candidate Risks	Slide Package	100%
Weekly Activity Report	Document	100%
Monthly Project Review	Slide Package	100%
Meeting Minutes and Action Items	Document	100%
Project Closeout Documents	Document	100%

#### **10.5.009.2 Requirements [RESERVED]**

#### **10.5.009.3 Architecture [RESERVED]**

10.5.009.4 Preliminary Design [RESERVED]

10.5.009.5 Detail Design [RESERVED]

10.5.009.6 IAM/IAO IA Assessment, Reviews and Documentation [RESERVED]

10.5.009.7 Procurement

Contractor shall propose IT equipment, software licenses, warranty, vendor support, travel, ODC and labor, a subsequent or additional RFP is not planned. Contractor is authorized to procure upon task award, based on the negotiated cost proposal.

10.5.009.8 Implementation Readiness [RESERVED]

10.5.009.9 [Facility Modification] [RESERVED]

10.5.009.9 IT Installation

The contractor shall install in compliance with the Configuration Management processes, RMF/DIACAP documentation and validate operational acceptability through testing. The contractor shall provide the products listed below:

IT Installation		
Product	Product Type	% Complete
Change Management Documentation (CRQ/DDIP)	Document	100%
Update ICD with as-built documentation	Document	100%
Test Results	Document	100%
RTM (Complete)	Document	100%

10.5.009.11 O&M Standard Operating Instructions/Procedures (SOI/P) [RESERVED]

10.5.009.12 Operational Readiness [RESERVED]

10.5.009.13 Transition to O&M

Upon successful completion of the SOI/P, OLA exercises and installation testing, the project will transition to RBA crews for operations and maintenance.

10.5.009.14 Milestones

Milestone	Schedule
Procurement	Upon Award
Installation	90 DA Receipt of Materials
Transition to O&M	20 DA Installation

## IRES Proposed Milestones

Milestone	Schedule
Procurement	Upon Award
Installation	90 DA Receipt of Materials
Transition to O&M	20 DA Installation
Project Closeout	15 DA Transition to O&M

### 10.5.009.15 Project Close

During project close, there is a hand off between the Project Manager and the Service Owner to place the new product or service into a Product/Service Lifecycle. The project close element is relevant to completing the Project Lifecycle.

Closeout Documents		
Product	Product Type	% Complete
Configuration Management Baseline	Document	100%
Procurement Close	Document	100%
Lessons Learned	Document	100%
Final Report	Document	100%

## Task 10.5.010 Linux Migration [2 ltr] [Rev B]

Project Champion: Jeremy Abbott

Background: MDA IC has increased the count of RHEL/Unix servers to over 250 in the enterprise. Version 6.x EoL has been announced for November 2020. Version 7.x is a major change from the 6.x platform. In addition, version 6.x doesn't support native two-factor authentication whereas version 7.X does which is a DoD requirement for information systems.

Tasking: The contractor shall identify the current Linux systems within the enterprise and migrate those systems from version 6.x to 7.x. The contractor shall develop a plan to migrate the enterprise Linux systems from version 6.x to 7.x to include the vendor defined service life of version 7.x. The contractor shall present to the government any systems that cannot be upgraded due to application compatibility issues as well as provide a path forward to migrate those systems in the future. The contractor shall implement two-factor authentication on all enterprise systems utilizing the native two-factor functionality of version 7.x. The contractor shall update documentation as required. The contractor shall make use of existing hardware and software before conducting any procurements.

### 10.5.010.1 Project Management

The contractor shall provide project management oversight. The contractor shall perform liaison and communication activities with Project Champion and project stakeholders (including customer, Architecture and Engineering). The contractor shall be responsible for the delivery and quality control of all required project documentation

in support of service architecture, engineering and design. The contractor shall provide the products listed below:

<b>Project Management</b>		
Product	Product Type	% Complete
Project Plan	Document	100%
Financial Reports	Report	100%
Variance (schedule and cost)	Report	100%
Briefings	Slide Package	100%
Candidate Risks	Slide Package	100%
Weekly Activity Report	Document	100%
Monthly Project Review	Slide Package	100%
Meeting Minutes and Action Items	Document	100%
Project Closeout Documents	Document	100%

#### 10.5.010.2 Requirements

<b>Requirements Package</b>		
Product	Product Type	% Complete
Requirements Traceability Matrix (RTM)	Document	40%
Requirements Slide Package	Slide Package	100%

#### 10.5.010.3 Architecture [RESERVED]

#### 10.5.010.4 Preliminary Design [RESERVED]

#### 10.5.010.5 Detail Design [RESERVED]

#### 10.5.010.6 IAM/IAO IA Assessment, Reviews and Documentation

The contractor shall initiate the Information Assurance Assessment, based on the PDR information; coordinate the assessment feedback with the Detailed Design Review; coordinate the RMF package approval in conjunction with the construction of the Implementation Readiness Plan/Review; and deliver the RMF package to IAM/IAO.

<b>Information Assurance</b>		
Product	Product Type	% Complete
RMF/DIACAP	Document	100%

#### 10.5.010.7 Procurement

Contractor shall propose IT equipment, software licenses, warranty, vendor support, travel, ODC and labor, a subsequent or additional RFP is not planned. Contractor is authorized to procure upon task award, based on the negotiated cost proposal.

#### 10.5.010.8 Implementation Readiness

The contractor shall establish the Implementation Engineering details for each site. The contractor shall present the Implementation Engineering details to the ERB/EAB Implementation Readiness Review (IRR) for government (and customer) approval. The contractor shall provide the products listed below:

<b>Implementation Readiness Package</b>		
<b>Product</b>	<b>Product Type</b>	<b>% Complete</b>
SvcV-1 Update	Diagram	100%
SV-1 Update	Diagram	100%
Rack Elevation Drawing	Diagram	100%
Facility Layout Drawing	Diagram	100%
CONOPS Update	Document	75%
RTM Update	Document	90%
BOM/ROM Update	Document	100%
Detailed Design	Slide Package	100%
DRCOOP / Backup Plan	Slide Package	100%
Implementation Plan	Slide Package	100%
Implementation Test Plan	Slide Package	75%
Risk Register Update	Slide Package	100%
Vendor Maintenance	Slide Package	100%
Monitoring Trap and Polling	Slide Package	100%
Change Management Documentation (CRQ/DDIP)	Document	75%
Responsibility Assignment Matrix (RACI Matrix)	Document	100%
ICD Updates (Draft)	Document	25%
Customer / User Communications Plan	Slide Package	25%
User/O&M Training Plan	Slide Package	100%
Implementation Test Plan - Update	Slide Package	100%

#### 10.5.010.9 Facility Modification [RESERVED]

#### 10.5.010.10 IT Installation

The contractor shall install in compliance with the Configuration Management processes, IRR and the RMF/DIACAP documentation and validate operational acceptability through testing. The contractor shall provide the products listed below:

<b>IT Installation</b>		
<b>Product</b>	<b>Product Type</b>	<b>% Complete</b>
Change Management Documentation (CRQ/DDIP)	Document	100%
Update ICD with as-built documentation	Document	100%
Test Results	Document	100%
RTM (Complete)	Document	100%

#### 10.5.010.11 O&M Standard Operating Instructions/Procedures (SOI/P)

The contractor shall develop RBA crew SOI/P and Operational Level Agreements (OLAs), and ensure the O&M crew members are trained and in-place to support the execution. The contractor shall establish and exercise the crew related SOI/Ps and OLAs. The contractor shall provide the products listed below:

<b>O&amp;M Standard Operating Instructions/Procedures (SOI/P)</b>		
Product	Product Type	% Complete
Standard Operating Instructions/Procedures (SOI/P)	Document	100%

#### 10.5.010.12 Operational Readiness

The ORR shall demonstrate and ensure effective service transition to the customer and minimize disruption to the MDA workforce. The contractor shall provide the products listed below:

<b>Operational Readiness Package</b>		
Product	Product Type	% Complete
CONOPS (Completed)	Document	100%
Customer/User Communications Plan (Completed)	Slide Package	100%

#### 10.5.010.13 Transition to O&M

Upon successful completion of the SOI/P, OLA exercises and installation testing, the project will transition to RBA crews for operations and maintenance.

#### 10.5.010.14 Milestones

<u>Implement</u>	<u>Schedule</u>
Procurement	Upon award
IRR	30 DAC
Installation	90 DA IRR
SOI/P	20 DA Install complete
ORR	30 DA Install complete
Transition to O&M	20 DA ORR approval

<u>Plan</u>	<u>Schedule</u>
Requirements	30 DAC
Non-Migrated/Future Migration Plan	120 DA Requirements

#### 10.5.010 IRES Proposed Milestones (Phase I)

<u>Milestone</u>	<u>Schedule</u>
Requirements	30 DAC
Preliminary Design	60 DA Requirements

#### 10.5.010.15 Project Close

During project close, there is a hand off between the Project Manager and the Service Owner to place the new product or service into a Product/Service Lifecycle. The project close element is relevant to completing the Project Lifecycle.

Closeout Documents		
Product	Product Type	% Complete
Configuration Management Baseline	Document	100%
Procurement Close	Document	100%
Lessons Learned	Document	100%
Final Report	Document	100%

#### 10.5.011 Network Switch Upgrades [PPWP]

Project Champion: Kevin Froscello

Background: MDA has Cisco 3500 series, 3700 series, 4500 series, and 6500 Series core and distribution switches that have or will reach end of hardware support in 2018.

Tasking: The contractor shall, complete the refresh of Cisco 3500 series, 3700 series, 4500 series, and 6500 Series core and distribution switches that have or will reach end of hardware support in 2018 with hardware capable of future SDN capability.

##### 10.5.011.1 Project Management

The contractor shall provide project management oversight. The contractor shall perform liaison and communication activities with Project Champion and project stakeholders (including customer, Architecture and Engineering). The contractor shall be responsible for the delivery and quality control of all required project documentation in support of service architecture, engineering and design. The contractor shall provide the products listed below:

Project Management		
Product	Product Type	% Complete
Project Plan	Document	100%
Financial Reports	Report	100%
Variance (schedule and cost)	Report	100%
Briefings	Slide Package	100%
Candidate Risks	Slide Package	100%
Weekly Activity Report	Document	100%
Monthly Project Review	Slide Package	100%
Meeting Minutes and Action Items	Document	100%
Project Closeout Documents	Document	100%

##### 10.5.011.2 Requirements [RESERVED]

10.5.011.3 Architecture [RESERVED]

10.5.011.4 Preliminary Design [RESERVED]

10.5.011.5 Detail Design [RESERVED] combined with IRR

10.5.011.6 IAM/IAO IA Assessment, Reviews and Documentation

The contractor shall initiate the Information Assurance Assessment, coordinate the RMF package and deliver the RMF package to IAM/IAO.

Information Assurance		
Product	Product Type	% Complete
RMF/DIACAP	Document	100%

10.5.011.7 Procurement

Contractor shall propose IT equipment, software licenses, warranty, vendor support, travel, ODC and labor, a subsequent or additional RFP is not planned. Contractor is authorized to procure upon task award, based on the negotiated cost proposal.

10.5.011.8 Implementation Readiness [RESERVED]

10.5.011.9 Facility Modification [RESERVED]

10.5.011.10 IT Installation

An Implementation plan and User Communication plan should be presented to the ERB prior to the start of any operational impacting work. The contractor shall install in compliance with the Configuration Management processes and the RMF/DIACAP documentation and validate operational acceptability through testing. The contractor should provide the products listed below:

IT Installation Package		
Product	Product Type	% Complete
Operational Viewpoint (OV-1)	Diagram	100%
Capability Viewpoint (CV-1)	Diagram	100%
Service Viewpoint (SvcV-1)	Diagram	100%
SV-1 Update	Diagram	100%
CONOPS Update	Document	100%
RTM Update	Document	100%
Detailed Design	Slide Package	100%
Implementation Plan	Slide Package	100%
System Test Plan	Slide Package	100%
Risk Register Update	Slide Package	100%

IT Installation Package		
Product	Product Type	% Complete
Vendor Maintenance	Slide Package	100%
Change Management Documentation (CRQ/DDIP)	Document	100%
Responsibility Assignment Matrix (RACI Matrix)	Document	100%
Customer / User Communications Plan	Slide Package	100%
Update ICD with as-built documentation	Document	100%
Test Results	Document	100%

10.5.011.11 O&M Standard Operating Instructions/Procedures (SOI/P) [RESERVED]

10.5.011.12 Operational Readiness [RESERVED]

10.5.011.13 Transition to O&M

Upon successful completion of the SOI/P, OLA exercises and installation testing, the project will transition to RBA crews for operations and maintenance.

10.5.011.14 Milestones

Milestone	Schedule
Procurement (Open)	10 DAC
Procurement Receipt	45 DA Procurement Open
Installation	90 DA Procurement Receipt
Transition to O&M	10 DA Installation

#### .11: IRES Proposed Milestones

Milestone	Schedule
Procurement (Open)	45 DAC
Conduct Requirements ERB	45 DAC
Materials Received	90 DA Procurement Open
Installation	77 DA All Materials Received
Transition to O&M	10 DA Final Installation
Close-Out	14 DA Transition to O&M

\*Procurement (Open) = PO placed

10.5.011.15 Project Close

During project close, there is a hand off between the Project Manager and the Service Owner to place the new product or service into a Product/Service Lifecycle. The project close element is relevant to completing the Project Lifecycle.

Closeout Documents		
Product	Product Type	% Complete

Configuration Management Baseline	Document	100%
Procurement Close	Document	100%
Lessons Learned	Document	100%
Final Report	Document	100%

### 10.5.012 Boundary Capacity Upgrades

Project Champion: Kevin Froscello

Background: Increased cybersecurity discipline, mission OPTEMPO, and test event data transfers have multiplied network traffic at an exponential rate. The current 1Gbps WAN DREN circuits are peaking at over 90% utilization causing latency/degradation for Mission Enclaves and ADMIN/GENSER enclaves. DREN circuits at COS and HSV are being upgraded to 2.5Gbps, but the current MDA Perimeter/WAN/LAN/Boundary hardware is limited to only 1Gbps throughput.

Tasking: The contractor shall:

- Upgrade classified PA5060s to PA5260s for 2-Letter Boundary
- Reutilize classified PA5060s to replace PA3060s for enterprise boundary
- Upgrade unclassified Palo Alto 5060s to PA 5250s (save 5060s for future use to implement Task180 architecture on unclassified)
- Upgrade unclassified FireEye appliances to support 4Gbps throughput and configure in passive mode to be in line with Blue Coat Proxy
- Upgrade unclassified Blue Coat SG and SSL-V interfaces to 10Gbps

#### 10.5.012.1 Project Management

The contractor shall provide project management oversight. The contractor shall perform liaison and communication activities with Project Champion and project stakeholders (including customer, Architecture and Engineering). The contractor shall be responsible for the delivery and quality control of all required project documentation in support of service architecture, engineering and design. The contractor shall provide the products listed below:

Project Management		
Product	Product Type	% Complete
Project Plan	Document	100%
Financial Reports	Report	100%
Variance (schedule and cost)	Report	100%
Briefings	Slide Package	100%
Candidate Risks	Slide Package	100%
Weekly Activity Report	Document	100%
Monthly Project Review	Slide Package	100%
Meeting Minutes and Action Items	Document	100%
Project Closeout Documents	Document	100%

10.5.012.2 Requirements [RESERVED]

10.5.012.3 Architecture [RESERVED]

10.5.012.4 Preliminary Design [RESERVED]

10.5.012.5 Detail Design [RESERVED]

10.5.012.6 IAM/IAO IA Assessment, Reviews and Documentation

The contractor shall initiate the Information Assurance Assessment, coordinate the RMF package and deliver the RMF package to IAM/IAO.

Information Assurance		
Product	Product Type	% Complete
RMF/DIACAP	Document	100%

10.5.012.7 Procurement

Contractor shall propose IT equipment, software licenses, warranty, vendor support, travel, ODC and labor, a subsequent or additional RFP is not planned. Contractor is authorized to procure upon task award, based on the negotiated cost proposal.

10.5.012.8 Implementation Readiness [RESERVED]

10.5.012.9 Facility Modification [RESERVED]

10.5.012.10 IT Installation

An Implementation plan and User Communication plan should be presented to the ERB prior to the start of any operational impacting work. The contractor shall install in compliance with the Configuration Management processes and the RMF/DIACAP documentation and validate operational acceptability through testing. The contractor should provide the products listed below

IT Installation Package		
Product	Product Type	% Complete
Operational Viewpoint (OV-1)	Diagram	100%
Capability Viewpoint (CV-1)	Diagram	100%
Service Viewpoint (SvcV-1)	Diagram	100%
SV-1 Update	Diagram	100%
CONOPS Update	Document	100%
RTM Update	Document	100%
Detailed Design	Slide Package	100%
Implementation Plan	Slide Package	100%
System Test Plan	Slide Package	100%

IT Installation Package		
Product	Product Type	% Complete
Risk Register Update	Slide Package	100%
Vendor Maintenance	Slide Package	100%
Change Management Documentation (CRQ/DDIP)	Document	100%
Responsibility Assignment Matrix (RACI Matrix)	Document	100%
Customer / User Communications Plan	Slide Package	100%
Update ICD with as-built documentation	Document	100%
Test Results	Document	100%

10.5.012.11 O&M Standard Operating Instructions/Procedures (SOI/P) [RESERVED]

10.5.012.12 Operational Readiness [RESERVED]

10.5.012.13 Transition to O&M

Upon successful completion of the SOI/P, OLA exercises and installation testing, the project will transition to RBA crews for operations and maintenance.

10.5.012.14 Milestones

Milestone	Schedule
Procurement (Open)	10 DAC
Procurement Receipt	45 DA Procurement Open
Installation	90 DA Procurement Receipt
Transition to O&M	10 DA Installation

**10.5.012.14 IRES Proposed Milestones**

Milestone	Schedule
Procurement (Open)	30 DAC
Conduct Requirements ERB	45 DAC
Procurement Receipt	90 DA Procurement Open
Installation	60 DA Procurement Complete
Transition to O&M	10 DA Installation
Close-Out	14 DA O&M

10.5.012.15 Project Close

During project close, there is a hand off between the Project Manager and the Service Owner to place the new product or service into a Product/Service Lifecycle. The project close element is relevant to completing the Project Lifecycle.

Closeout Documents		
Product	Product Type	% Complete

Configuration Management Baseline	Document	100%
Procurement Close	Document	100%
Lessons Learned	Document	100%
Final Report	Document	100%

### 10.5.013 SDN Hardware Install

Project Champion: Kevin Froscello

Background: In support of dynamic MDA Test Operations Tempo (CI/CAT) and the MDA 2030 Test Strategy, IC is deploying SDN capability across the MDA LAN/WAN to provide segregated RDT&E network segments on CNET and to provide automatic network provisioning and dynamic/rapid network configuration and reconfiguration.

Tasking: The contractor shall:

- Deploy Cisco DNA Center, Network Data Platform, and ISE on the unclass and class network in preparation for SD-Access and SD-WAN rollout in FY19
- Procure 10GB SD-WAN subscription to ARC, SED, AMRDEC, Trotti, MDIOC
- Procure 1GB SD-WAN subscription to Pt. Loma, Moorestown, NSWC DAL, Azusa

#### 10.5.013.1 Project Management

The contractor shall provide project management oversight. The contractor shall perform liaison and communication activities with Project Champion and project stakeholders (including customer, Architecture and Engineering). The contractor shall be responsible for the delivery and quality control of all required project documentation in support of service architecture, engineering and design. The contractor shall provide the products listed below:

Project Management		
Product	Product Type	% Complete
Project Plan	Document	100%
Financial Reports	Report	100%
Variance (schedule and cost)	Report	100%
Briefings	Slide Package	100%
Candidate Risks	Slide Package	100%
Weekly Activity Report	Document	100%
Monthly Project Review	Slide Package	100%
Meeting Minutes and Action Items	Document	100%
Project Closeout Documents	Document	100%

#### 10.5.013.2 Requirements [RESERVED]

#### 10.5.013.3 Architecture [RESERVED]

#### 10.5.013.4 Preliminary Design

The contractor shall develop the Preliminary Design Review to meet the approved requirements, COA Operations Strategy and DoDAF business model(s), while being compliant with Federal and DoD direction, DoD and MDA standards. The contractor shall provide the products listed below:

Preliminary Design Package		
Product Activity	Product Type	% Complete
OV-1 Update	Diagram	100%
CV-1 Update	Diagram	100%
SvcV-1 Update	Diagram	50%
Concept of Operations (CONOPS) Outline	Document	10%
RTM Update	Document	75%
Bill of Materials / Rough Order of Magnitude (BOM / ROM)	Document	50%
High Level Design	Slide Package	100%
Risk Register	Slide Package	50%
DRCOOP / Backup Plan	Slide Package	50%

#### 10.5.013.5 Detail Design [RESERVED]

#### 10.5.013.6 IAM/IAO IA Assessment, Reviews and Documentation

The contractor shall initiate the Information Assurance Assessment, coordinate the RMF package and deliver the RMF package to IAM/IAO.

Information Assurance		
Product	Product Type	% Complete
RMF/DIACAP	Document	100%

#### 10.5.013.7 Procurement

Contractor shall propose IT equipment, software licenses, warranty, vendor support, travel, ODC and labor, a subsequent or additional RFP is not planned. Contractor is authorized to procure upon task award, based on the negotiated cost proposal.

#### 10.5.013.8 Implementation Readiness

The contractor shall establish the Implementation Engineering details for each site. The contractor shall present the Implementation Engineering details to the EAB Implementation Readiness Review (IRR) for government (and customer) approval. The contractor shall provide the products listed below:

Implementation Readiness Package		
Product	Product Type	% Complete
Operational Viewpoint (OV-1)	Diagram	100%
Capability Viewpoint (CV-1)	Diagram	100%
Service Viewpoint (SvcV-1)	Diagram	100%
SV-1 Update	Diagram	100%
CONOPS Update	Document	75%
RTM Update	Document	90%
Detailed Design	Slide Package	100%
Implementation Plan	Slide Package	100%
System Test Plan	Slide Package	75%
Risk Register Update	Slide Package	100%
Vendor Maintenance	Slide Package	100%
Change Management Documentation (CRQ/DDIP)	Document	75%
Responsibility Assignment Matrix (RACI Matrix)	Document	100%
ICD Updates (Draft)	Document	25%
O&M Training Plan	Slide Package	100%

#### 10.5.013.9 Facility Modification [RESERVED]

#### 10.5.013.10 IT Installation

The contractor shall install in compliance with the Configuration Management processes, IRR and the RMF/DIACAP documentation and validate operational acceptability through testing. The contractor shall provide the products listed below:

IT Installation		
Product	Product Type	% Complete
Change Management Documentation (CRQ/DDIP)	Document	100%
Update ICD with as-built documentation	Document	100%
Test Results	Document	100%
RTM (Complete)	Document	100%

#### 10.5.013.11 O&M Standard Operating Instructions/Procedures (SOI/P) [RESERVED]

#### 10.5.013.12 Operational Readiness [RESERVED]

#### 10.5.013.13 Transition to O&M

Upon successful completion of the SOI/P, OLA exercises and installation testing, the project will transition to RBA crews for operations and maintenance.

Transition to O&M Package		
Product	Product Type	% Complete

CONOPS (Completed)	Document	100%
Standard Operating Instructions/Procedures (SOI/P)	Document	100%

#### 10.5.013.14 Milestones

<u>Milestone</u>	<u>Schedule</u>
PDR	30 DAC
Procurement (Open)	10 DA PDR
Procurement Receipt	45 DA Procurement Open
IRR	45 DA PDR
Installation	60 DA IRR Procurement Receipt
Transition to O&M	10 DA Installation

#### 10.5.013.14 IRES Proposed Milestones

<u>Milestone</u>	<u>Schedule</u>
PDR	30 DAC
Procurement (Open)	10 DA PDR
Procurement Receipt	90 DA Procurement Open
EAB IRR	15 DA Procurement Receipt
Installation	60 DA IRR
Transition to O&M	10 DA Installation
Close-Out	14 DA O&M

\*Procurement (Open) = PO placed

#### 10.5.013.15 Project Close

During project close, there is a hand off between the Project Manager and the Service Owner to place the new product or service into a Product/Service Lifecycle. The project close element is relevant to completing the Project Lifecycle.

Closeout Documents		
<u>Product</u>	<u>Product Type</u>	<u>% Complete</u>
Configuration Management Baseline	Document	100%
Procurement Close	Document	100%
Lessons Learned	Document	100%
Final Report	Document	100%

#### 10.5.014 GT Site Capacity Upgrades [Not Awarded]

Project Champion: Kevin Froschello

~~Background: In support of dynamic MDA Test Operations Tempo (CI/CAT) and the MDA 2030 Test Strategy, SDP upgrades are needed at critical Ground Test (GT) sites.~~

~~Tasking: The contractor shall:~~

- Reutilize ASR1002s removed from the network from the Rev A upgrade project to upgrade SDPs at ARC, AMRDEC, and SED
- Reutilize ISR4451s removed from ARC/AMRDEC/SED and utilize the ISR4451s purchased on Rev A to upgrade SDPs at Azusa, NSWC DAL, Moorestown, PMRF, and Pt. Loma
- Replace PA3020s at AMRDEC and ARC with PA5220s (procure)

#### 10.5.014.1 Project Management

The contractor shall provide project management oversight. The contractor shall perform liaison and communication activities with Project Champion and project stakeholders (including customer, Architecture and Engineering). The contractor shall be responsible for the delivery and quality control of all required project documentation in support of service architecture, engineering and design. The contractor shall provide the products listed below:

Project Management		
Product	Product Type	% Complete
Project Plan	Document	100%
Financial Reports	Report	100%
Variance (schedule and cost)	Report	100%
Briefings	Slide Package	100%
Candidate Risks	Slide Package	100%
Weekly Activity Report	Document	100%
Monthly Project Review	Slide Package	100%
Meeting Minutes and Action Items	Document	100%
Project Closeout Documents	Document	100%

#### 10.5.014.2 Requirements [RESERVED]

#### 10.5.014.3 Architecture [RESERVED]

#### 10.5.014.4 Preliminary Design [RESERVED]

#### 10.5.014.5 Detail Design [RESERVED]

#### 10.5.014.6 IAM/IAO IA Assessment, Reviews and Documentation

The contractor shall initiate the Information Assurance Assessment, coordinate the RMF package and deliver the RMF package to IAM/IAO.

Information Assurance		
Product	Product Type	% Complete
RMF/DIACAP	Document	100%

#### 10.5.014.7 Procurement

~~Contractor shall propose IT equipment, software licenses, warranty, vendor support, travel, ODC and labor, a subsequent or additional RFP is not planned. Contractor is authorized to procure upon task award, based on the negotiated cost proposal.~~

#### ~~10.5.014.8 Implementation Readiness [RESERVED]~~

#### ~~10.5.014.9 Facility Modification [RESERVED]~~

#### ~~10.5.014.10 IT Installation~~

~~An Implementation plan and User Communication plan should be presented to the ERB prior to the start of any operational impacting work. The contractor shall install in compliance with the Configuration Management processes and the RMF/DIACAP documentation and validate operational acceptability through testing. The contractor should provide the products listed below~~

IT Installation Package		
Product	Product Type	% Complete
Operational Viewpoint (OV-1)	Diagram	100%
Capability Viewpoint (CV-1)	Diagram	100%
Service Viewpoint (SvcV-1)	Diagram	100%
SV-1 Update	Diagram	100%
CONOPS Update	Document	100%
RTM Update	Document	100%
Detailed Design	Slide Package	100%
Implementation Plan	Slide Package	100%
System Test Plan	Slide Package	100%
Risk Register Update	Slide Package	100%
Vendor Maintenance	Slide Package	100%
Change Management Documentation (CRQ/DDIP)	Document	100%
Responsibility Assignment Matrix (RACI Matrix)	Document	100%
Customer / User Communications Plan	Slide Package	100%
Update ICD with as-built documentation	Document	100%
Test Results	Document	100%

#### ~~10.5.014.11 O&M Standard Operating Instructions/Procedures (SOI/P) [RESERVED]~~

#### ~~10.5.014.12 Operational Readiness [RESERVED]~~

#### ~~10.5.014.13 Transition to O&M~~

~~Upon successful completion of the SOI/P, OLA exercises and installation testing, the project will transition to RBA crews for operations and maintenance.~~

#### ~~10.5.014.14 Milestones~~

Milestone	Schedule
Procurement (Open)	10-DAG
Procurement Receipt	45-DA Procurement Open
Installation	90-DA Procurement Receipt
Transition to O&M	10-DA Installation

## **.12, .14 IRES Proposed Milestones**

Milestone	Schedule
Procurement (Open)	30-DAG
Conduct Requirements ERB	45-DAG
Procurement Receipt	90-DA Procurement Open
Installation	60-DA Procurement Complete
Transition to O&M	10-DA Installation
Close-Out	14-DA O&M

\*Procurement (Open) ← PO placed

### **10.5.014.15 Project Close**

During project close, there is a hand-off between the Project Manager and the Service Owner to place the new product or service into a Product/Service Lifecycle. The project close element is relevant to completing the Project Lifecycle.

Closeout Documents		
Product	Product Type	% Complete
Configuration Management Baseline	Document	100%
Procurement Close	Document	100%
Lessons Learned	Document	100%
Final Report	Document	100%

### **10.5.015 Fort Belvoir, Building 247 IT Build Out [IC]**

Project Champion: Jennifer Phifer

Background: The Missile Defense Agency is consolidating employees onto Fort Belvoir from off-post leased facilities within the National Capital Region. MDA personnel (approximately 160) will occupy approximately 38,500 gross square feet of facility space consisting of the entire 3rd level and a portion of the 1st level of Building 247. This project is to design and install IT equipment and systems within this space after the renovation by the US Army Corps of Engineers contracted design/build contractor.

Tasking: This project was divided into two phases, the design phase and implementation phase. The first phase (design) is complete and the Detailed Design Review (DDR) was delivered by the contractor to the government on 2 March 2018. This project will continue from procurement initiation through the implementation phase

(post-DDR actions) and transition to O&M until completion of the project. The contractor will interface with all necessary stakeholders (i.e. associate contractors, DSS, FD, DE/I, IC, and National Capital Region (NCR) -based 2 and 3 Letter organizations) to ensure IT requirements are being addressed. A detailed program plan, including all drawings, schematics, and schedules will be maintained and available for government review. Work will require close interaction with the MDA Facility Program Manager, MDA government project champion, MDA Technical Design and Construction Team, Associate Contractors (RECS for VTC/AV install and support, GDMS for THOR and special systems), Security Group, and Interior Design and Construction Group. All work will meet MDA IT architecture, standards, and regulations; and follow the overall MDA construction and transition schedule/milestones.

This technical task will include the following scope/categories of work:

### **Core IT and Network Infrastructure**

1. Cabling Planning, Installation, and Testing (to all MDA areas)
2. MDF/IDF network equipment planning, configuration, and installation
3. Design documentation/DoDAF drawings/Rack Elevations

### **Telephone Equipment and Systems**

1. VoIP Telephone Equipment (client desktop and MDF/IDF equipment)
2. Cable Television Equipment (extended from Bldg 245)

### **IT Support Equipment**

1. Client IT Equipment (new equipment setup and existing equipment relocation)
2. Printing and Fax Services (business center and floor configuration and installation)

### **Unclassified IT Services Migration**

1. Unclassified Applications, Systems, and Servers (MDF/IDF and client end)
2. Circuits and Tail sites (including possible connectivity/services migration from building 245)

### **Classified IT Services Migration**

1. Classified Applications, Systems, and Servers (MDF/IDF and client end)
2. Circuits and Tail sites (including possible connectivity/services migration from building 245)

This project will consist of the following associated tasks. The contractor shall:

1. Initiate procurement actions based upon the approved design (DDR documents) and BOM submitted with DDR
2. Install network equipment within the MDF to obtain connectivity to Building 245. Coordinate with NEC-Ft. Belvoir for conveyance on post

3. Install IDF equipment on 1st and 3rd floors and connect to the MDF
4. Install end-user equipment to include telephones, desktops, multi-function devices and monitors
5. Test network connectivity to Building 245 and external systems (including connectivity provided for SAP systems in the SUS)
6. Install cable from cable trays through existing conduit (construction contractor provides both cable trays and conduit) from the MPOP/MDF (basement) to the 1<sup>st</sup> and 3<sup>rd</sup> floor MDA spaces
7. Test cable plant to ensure proper installation, both vertical and horizontal
8. Test end-user equipment
9. Install cable TV connectivity to selected locations/desktops
10. Relocate IT services for approximately 160 personnel into the MDA spaces (includes relocating existing IT equipment if a replacement is not provided in building 247 office area)
11. Prepare legacy IC equipment/services in the Suffolk Bldg. for decommissioning and turn-in

#### 10.5.015.1 Project Management

The contractor shall provide project management oversight. The contractor shall perform liaison and communication activities with Project Champion and project stakeholders (including the customer, NEC, Fort Belvoir, the construction contractor, and Architecture and Engineering). The contractor shall be responsible for the delivery and quality control of all required project documentation in support of service architecture, engineering and design. The contractor shall track and report project management metrics (cost, schedule, and performance).

Project Management		
Product	Product Type	% Complete
Project Plan	Document	100%
Financial Reports	Report	100%
Variance (schedule and cost)	Report	100%
Briefings	Slide Package	100%
Candidate Risks	Slide Package	100%
Weekly Activity Report	Document	100%
Monthly Project Review	Slide Package	100%
Meeting Minutes and Action Items	Document	100%
Project Closeout Documents	Document	100%

#### 10.5.015.2 Requirements [RESERVED]

#### 10.5.015.3 Architecture [RESERVED]

#### 10.5.015.4 Preliminary Design [RESERVED]

#### 10.5.015.5 Detail Design [RESERVED]

#### 10.5.015.6 IAM/IAO Cybersecurity Assessment, Reviews, and Documentation

The contractor shall, based on the GFI documentation and the cybersecurity assessment completed at DDR, initiate the Cybersecurity Assessment review and coordinate the assessment feedback to be provided to the government. The contractor shall also coordinate the RMF package approval (IATT/ATCs/POA&Ms) for systems that will process Sensitive Compartmented Information (SCI) or Special Access Program (SAP) Information. This coordination will be done in conjunction with the construction of the Implementation Readiness Plan/Review (IRR); and the contractor shall deliver the RMF package to the ISSM/SCA/SISO (based on the outcome of the final assessment/RMF documentation review). The contractor shall adhere to the respective accrediting authority's requirements for implementing and documenting appropriate Director of Central Intelligence (DCI), Joint Special Access Program Implementation Guide (JSIG) information security controls, as well as applicable guidance given by the government Cyber security teams involved in the accreditation actions. The contractor shall provide the products listed below:

Information Assurance		
Product	Product Type	% Complete
RMF	Document	100%

#### 10.5.015.7 Procurement

Using the government -furnished Detailed Design Review, the contractor shall, submit a cost proposal with Basis of Estimate (BOE) containing the defined Bill of Materials, Facility Modification definitions and cost, and/or IT equipment/software license, warrantee, installation and vendor support costs, and associated labor. Procurement of IT / ODC / Labor will be accomplished as negotiated from the Cost Proposal. The contractor shall provide the products listed below:

Procurement		
Product	Product Type	% Complete
Cost Proposal	Document	100%
Basis of Estimate (BOE)	Document	100%

#### 10.5.015.8 Implementation Readiness

The contractor shall establish the Implementation Engineering details for each site. The IRR shall include the facility floor plan, wiring diagrams, power diagrams, connectivity, IT infrastructure and cabling, a milestone rollout plan, cost to complete, migration plan based upon ultimate solution, customer communication, and crew resources. The contractor shall, based on the products below, propose the EAB artifacts to be developed during the IRR. The contractor shall present the Implementation Engineering details to the EAB Implementation Readiness Review (IRR) for government (and customer) approval. The contractor shall also present the requirements as well as the

applicable project schedule and ROM updates (post-DDR) for approval. The contractor shall provide the products listed below:

<b>Implementation Readiness Package</b>		
<b>Product</b>	<b>Product Type</b>	<b>% Complete</b>
Change Management Documentation (CRQ/DDIP)	Document	75%
Responsibility Assignment Matrix (RACI Matrix)	Document	100%
ICD Updates (Draft)	Document	50%
Customer / User Communications Plan	Slide Package	50%
User/O&M Training Plan	Slide Package	100%
Implementation Test Plan	Slide Package	100%
Facility Layout Drawings	Document	100%
Rack Elevation Drawings	Document	100%
Hardware Specifications	Document	100%
Concept of Operations	Document	100%
Transition/Equipment-Service Movement Plan	Slide Package	100%
SOPs	Document	90%
System/Operational/User Acceptance Test Results	Slide Package	100%
Project Schedule	Document	100%
ROM – Updates	Document	100%
Operational Viewpoint (OV-1) - Updates	Diagram	100%
Capability Viewpoint (CV-1) - Updates	Diagram	100%
Service Viewpoint (SvcV-1) - Updates	Diagram	75%
RTM Update - Updates	Document	100%

#### 10.5.015.9 Facility Modification

The contractor shall implement required cable and associated infrastructure as defined within the DDR and IRR prior to IT installation. The contractor shall ensure the required facility modifications (such as power, HVAC, PDC, etc.) are completed as defined within the IRR prior to traveling to the site to perform installation. The contractor will also ensure that the cabling installation is scheduled as to not conflict with, nor delay the installation and testing of network equipment/services milestones.

#### 10.5.015.10 IT Installation

The contractor shall begin the installation of IT upon Joint Occupancy. The contractor shall install the IT infrastructure (fiber and cabling) as well as the IT equipment (network equipment and end user devices) in compliance with the Configuration Management processes, the IRR, and in a manner consistent with RMF standards and established Cyber security policy. The contractor shall execute the test plans and verify the installation executes and functions as planned and does not cause any other system disruptions. The contractor shall finalize (100% complete as built) documentation; such as Concept of Operations, Interface Control Documents (ICD), Rack diagrams, etc. The contractor shall provide the products listed below:

<b>IT Installation</b>		
Product	Product Type	% Complete
Change Management Documentation (CRQ/DDIP)	Document	100%
ICD Update (with as-built documentation)	Document	100%
Test Results (proof of successful test)	Document	100%
RTM (Complete)	Document	100%
Rack Elevation Drawing Updates (as built/final)	Document	100%
SOP Updates (functional/final)	Document	100%
CONOPS (draft)	Document	50%
Customer / User Communications Plan (final)	Slide Package	75%

#### 10.5.015.11 O&M Standard Operating Instructions/Procedures (SOI/P)

The contractor shall modify existing RBA crew SOI/P and Operational Level Agreements (OLAs), and ensure the O&M crew members are trained and in-place to support the execution. The contractor shall establish and exercise the crew related SOI/Ps and OLAs. The contractor shall provide the products listed below:

<b>O&amp;M Standard Operating Instructions/Procedures (SOI/P)</b>		
Product	Product Type	% Complete
Standard Operating Instructions/Procedures (SOI/P) update	Document	100%
CONOPS Updates (as built)	Document	90%
Architecture Diagrams/DoDAF (final, as built)	Document	100%

#### 10.5.015.12 Operational Readiness

The ORR shall demonstrate and ensure effective service transition to the customer and minimize disruption to the MDA workforce. The contractor shall provide the products listed below:

<b>Operational Readiness Package</b>		
Product	Product Type	% Complete
CONOPS (Completed)	Document	100%
Suffolk User Migration Plan	Document	100%
Customer/User Communications Plan (Completed)	Slide Package	100%

#### 10.5.015.13 Transition to O&M

Upon successful completion of the SOI/P, OLA exercises, and installation testing, the project will transition to RBA crews for operations and maintenance.

#### 10.5.015.14 Milestones

Milestone	Schedule
Procurement (Receipt)	90 DA Open Procurement
IRR	45 DAC
Installation of Cabling	TBD (scheduled DEC 2018)
Installation of MDF/IDFs	TBD (scheduled JAN 2019)
Installation of End-User Equipment	TBD (scheduled MAR 2019)
Installation of AV/VTC Equipment (RECS)	TBD (scheduled FEB-MAR 2019)
ORR	30 DA Install complete
Transition to O&M	20 DA ORR approval

Project GFI or GFE: (must provide GFI in GFI folder if listed here)

3. Building 247 floor plans
4. DDR documentation
5. 100% detailed design drawings (IFC, provided by FD/construction contractor)
6. Change documents/diagrams (to date)
7. Construction contractor schedule

#### **10.5.016 Primavera and Associated Tools for GM [GM] [REV C]**

Project Champion: Philip Williams

REQ #: KSR000000196580

Background: GM requests implementation of Primavera scheduling software as well as supporting tools to assist with integration of multiple contractors' schedules. Due to large number of schedule items (100K+), MS Project is not sufficient to meet the customer requirements which include schedule integration of multiple contractors. In addition to the software, GM is requesting online basic training and admin training from the vendor.

The customer has no requirement for data migration as part of this effort. Tasking: The contractor shall procure and install the infrastructure, platform, storage and software in production and staging (Zone A). The software components to be installed are:

Primavera P6 Scheduler

Primavera P6 Team Member

Primavera Project Integration Framework

Deltek Acumen Fuse

Oracle Database

The supporting hardware infrastructure will be engineered IAW industry best practices and vendor recommendations in order to ensure optimal performance and utilizing virtual and or physical resources..

The contractor shall procure 10 seats of Primavera online basic training and 2 seats of online administrator training.

#### 10.5.016.1 Project Management

The contractor shall provide project management oversight. The contractor shall perform liaison and communication activities with Project Champion and project stakeholders (including customer, Architecture and Engineering). As the customer has already funded a dedicated PjM/Requirements Architect using the associate contractor, all customer communication shall be coordinated through this dedicated resource. The contractor shall be responsible for the delivery and quality control of all required project documentation in support of service architecture, engineering and design. The contractor shall provide the products listed below:

<b>Project Management</b>		
Product	Product Type	% Complete
Project Plan	Document	100%
Financial Reports	Report	100%
Variance (schedule and cost)	Report	100%
Briefings	Slide Package	100%
Candidate Risks	Slide Package	100%
Weekly Activity Report	Document	100%
Monthly Project Review	Slide Package	100%
Meeting Minutes and Action Items	Document	100%
Project Closeout Documents	Document	100%

#### 10.5.016.2 Requirements

The contractor shall capture the requirements (clearly delineating classification requirements) along with applicable Federal and DoD directives. The contractor shall present the requirements package during the Architecture/Engineering EAB meetings for approval. The contractor shall provide the products listed below:

<b>Requirements Package</b>		
Product	Product Type	% Complete
Requirements Traceability Matrix (RTM)	Document	40%
Requirements Slide Package	Slide Package	100%
Bill of Materials / Rough Order of Magnitude (BOM / ROM)	Document	100%

#### 10.5.016.3 Architecture [RESERVED]

#### 10.5.016.4 Preliminary Design [RESERVED]

#### 10.5.016.5 Detail Design [RESERVED]

#### 10.5.016.6 IAM/IAO IA Assessment, Reviews and Documentation

The contractor shall coordinate the RMF package approval in conjunction with the construction of the Implementation Readiness Plan/Review; and deliver the RMF package to IAM/IAO.

<b>Information Assurance</b>		
Product	Product Type	% Complete
RMF	Document	100%

#### 10.5.016.7 Procurement

Contractor shall propose IT equipment, software licenses, warranty, vendor support, travel, ODC and labor, a subsequent or additional RFP is not planned. Contractor is authorized to procure upon task award, based on the negotiated cost proposal.

#### 10.5.016.8 Implementation Readiness

The contractor shall establish the Detailed Design and the Implementation Engineering details for each site. The contractor shall present the Detailed Design and the Implementation Engineering details to the EAB Detailed Design Review/Implementation Readiness Review (IRR) for government and customer approval. The contractor shall provide the products listed below:

<b>Implementation Readiness Package</b>		
Product	Product Type	% Complete
Operational Viewpoint (OV-1)	Diagram	100%
Rack Elevation Drawing	Diagram	100%
CONOPS Update	Document	75%
RTM Update	Document	90%
Detailed Design	Slide Package	100%
Risk Register	Slide Package	100%
DRCOOP / Backup Plan	Slide Package	100%
Implementation Plan	Slide Package	100%
Implementation Test Plan	Slide Package	100%
Change Management Documentation (CRQ/DDIP)	Document	75%
Responsibility Assignment Matrix (RACI Matrix)	Document	100%
ICD Updates (Draft)	Document	25%
User/O&M Training Plan	Slide Package	100%

#### 10.5.016.9 Facility Modification

The contractor shall ensure the required facility modifications (such as power, HVAC, cabling, PDC, etc.) are completed as defined within the IRR prior to traveling to the site to perform installation.

#### 10.5.016.10 IT Installation

The contractor shall install in compliance with the Configuration Management processes, IRR and the RMF/DIACAP documentation and validate operational acceptability through testing. The contractor shall provide the products listed below:

<b>IT Installation</b>		
Product	Product Type	% Complete
Change Management Documentation (CRQ/DDIP)	Document	100%
Update ICD with as-built documentation	Document	100%
Test Results	Document	100%
RTM (Complete)	Document	100%

#### 10.5.016.11 O&M Standard Operating Instructions/Procedures (SOI/P)

The contractor shall develop RBA crew SOI/P and Operational Level Agreements (OLAs), and ensure the O&M crew members are trained and in-place to support the execution. The contractor shall establish and exercise the crew related SOI/Ps and OLAs. The contractor shall provide the products listed below:

<b>O&amp;M Standard Operating Instructions/Procedures (SOI/P)</b>		
Product	Product Type	% Complete
Standard Operating Instructions/Procedures (SOI/P)	Document	100%

#### 10.5.016.12 Operational Readiness [RESERVED]

#### 10.5.016.13 Transition to O&M

Upon successful completion of the SOI/P, OLA exercises and installation testing, the project will transition to RBA crews for operations and maintenance.

<b>Transition to O&amp;M Package</b>		
Product	Product Type	% Complete
CONOPS (Completed)	Document	100%

#### 10.5.016.14 Milestones

Milestone	Schedule
Requirements	30 DAC
Procurement (Receipt)	90 DAC
DDR/IRR	45 DA Requirements
Installation	30 DA Hardware Received
Transition to O&M	10 DA Install complete

#### 10.5.016.15 Project Close

During project close, there is a hand off between the Project Manager and the Service Owner to place the new product or service into a Product/Service Lifecycle. The project close element is relevant to completing the Project Lifecycle.

Closeout Documents		
Product	Product Type	% Complete
Configuration Management Baseline	Document	100%
Procurement Close	Document	100%
Lessons Learned	Document	100%
Final Report	Document	100%

Project GFI or GFE: (must provide GFI in GFI folder if listed here)

None

# **Task 10.5.017 Project JWICS Network Infrastructure and End User Device Tech Refresh [DE] [REV D] PPWP**

Project Champion: MSgt Juan Gallegos  
REQ #: KSR#285768

Background: The Missile Defense Agency is transitioning to Defense Intelligence Agency (DIA) Intelligence Community Information Technology Enterprise (IC ITE) Common Operating Environment (COE) for Joint Worldwide Intelligence Community System (JWICS) services. The assigned MDA personnel will work directly with the DIA Project Manager for this transitioning initiative. ATO is granted by DIA and the documentation supporting ATO is entered into Xacta by the designed ICTA ISSM.

Tasking: The contractor shall procure, install and reconnect JWICS network infrastructure equipment and end user devices (including all peripheral devices) at Huntsville, Dahlgren, Suffolk Building, and Ft. Belvoir. The contractor shall procure but not install equipment for the MDIOC and Kirtland AFB in support of the Missile Defense Agency transition to DIA COE JWICS services. The contractor shall evaluate the MDA JWICS Infrastructure environment and determine the number and size of switches and routers required for the technical refresh. The makes and models of the equipment procured must be on DIA's most current Information Technology Equipment Catalog and the network infrastructure approved list provided to MDA from the DIA Network Management Office. This information will be provided as GFI. The contractor shall procure, install and providing transport connectivity between the end-user devices and the service networking equipment. The contractor shall procure new TACLANES and replace old TACLANES at specified locations. The contractor shall relocate and install current networking equipment along with end-user and communications room cabling located in Suffolk Building and newly procured network equipment identified for and installed in Ft. Belvoir building 247 upon completion of the 247 remodel project that has an estimated completion and move-in CY 1st Quarter of 2019.

The contractor shall coordinate with the designated ICT government representative to submit the SCRM Acquisition Certification memorandum and Bill of Materials to the DIA SCRM Authority for approval to proceed with the installation of the procured equipment on the DIA COE JWICS network.

The contractor shall provide site DIA personnel with all the network equipment and end-user devices for configuring. The contractor shall install all network equipment and end-user devices upon receipt from DIA and placement location per ICTA government personnel direction. The contractor shall update all documentation to reflect changes at the site supporting designated ICTA Government personnel for input of the site accreditation information into Xacta. DIA will not proceed with a project timeline until procurement confirmation and equipment delivery dates for the sites have been confirmed. DIA will place end-user devices at customer location for installation. **All procured equipment must be Trade Agreements Act (TAA) Compliant.**

Requested Milestones  
OCD is 180 days after ATP.

Milestone	Schedule
Requirements	30 DAC
DDR/IRR	30 DA Requirements approval

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<u>Milestone</u>	<u>Schedule</u>
Procurement	Order after DDR approval
Installation	30 DA DDR/IRR
Transition to O&M	180 DAC
Project Close	10 DA Transition complete

#### Requested Artifacts/Deliverables

Required	IRES Document	Document Type
Yes	Requirements Slide Package	Slide Package
Yes	Preliminary Design Slide Package	Slide Package
Yes	Detailed Design Slide Package	Slide Package
Yes	Implementation Readiness Slide Package	Slide Package
Yes	Operational Readiness Slide Package	Slide Package
Yes	Project Closure Form	Document

Project GFI or GFE: (must provide GFI in GFI folder if listed here)

8. DIA Information Technology Equipment Catalog (most current catalog is classified and only available on JWICS)
9. List of DIA Approved Replacement Switches and Routers
10. DIA Project Manager name and contact information
11. List of existing switches, routers, and TACLANES at MDA JWICS sites
12. Huntsville Infrastructure Equipment
13. JWICS End-User Device Listing

### Task 10.5.018 Wake Island Test Support Facility [DT] [REV D]

Project Champion: Gil Szaraz

REQ #: KSR #: 192285 / INC#: 2189811

Background: MDA/DPF requested MDA/IC to perform an Analysis of Alternatives (AoA) to provide a solution for persistent ULAN/CLAN connectivity for the Missile Defense Agency on Wake Island. AoA determined some of the existing network equipment used at Wake for FTO- 02 can be reused for the new facility being built for permanent party and future flight tests. The building has been procured and construction has started with an estimated completion date of Jan 2019.

Tasking: The contractor shall procure and install ULAN/CLAN connectivity to meet the network connectivity articulated in GFI document Wake Island Test Support Facility 2015 08 25, re-purposing existing Wake Island network equipment to the fullest extent. The contractor shall provide the following connections from Table 3 - Communications Connection Requirements in the GFI document in the new facility:

- 60 ULAN connections with 38 docking stations
- 60 ULAN VoIPs to include local call manager capabilities
- 26 CLAN zero client workstations
- One ULAN printer, one CLAN, and one spare
- Six monitors
- U/CVTC connections for the main conference room (VTC procured through RECS, installed by IRES)

The contractor shall run the necessary cabling for each of the above connections. Network connectivity to the facility will be through an FTCN provided connection during test events. The contractor shall make provisions to accept a L3VPN circuit when FTCN connectivity is not available. This connection is dependent on future DISN upgrades at the Wake communication focal point.

Requested Milestones

OCD is 240 days after ATP

Milestone	Schedule
Requirements and Architecture	30 DAC
DDR/IRR	45 DA Requirements approval
Procurement	Order after DDR approval
Building occupancy ready	195 DAC
Installation	30 DA Arrival of Equipment on site
Transition to O&M	15 DA Installation
Project Close	10 DA Transition complete

Requested Artifacts / Deliverables

Required	IRES Document	Document Type
Yes	Requirements Slide Package	Slide Package
Yes	Implementation Readiness Slide Package	Slide Package

Required	IRES Document	Document Type
Yes	Operational Viewpoint (OV-1)	Diagram
Yes	Capability Viewpoint (CV-1)	Diagram
Yes	Logical Viewpoint (SvcV-1)	Diagram
Yes	Physical Viewpoint (SV-1)	Diagram
Yes	Rack Elevation Drawing	Diagram
Yes	Facility Layout Drawing	Diagram
Yes	Cyber Scorecard	Diagram
Yes	Requirements Traceability Matrix (RTM)	Document
Yes	Business Continuity / Disaster Recovery	Document
Yes	Bill of Materials (BOM)	Document
Yes	High Level Design	Document
Yes	Implementation Plan	Document
Yes	Integrated Test Plan	Document
Yes	Vendor Maintenance	Document
Yes	Monitoring	Document
Yes	Roles and Responsibilities	Document
Yes	Customer / User Communications Plan	Document
Yes	User/O&M Training Plan	Document
Yes	CONOPS	Document
Yes	Transition Plan	Document
Yes	Test Results	Document
Yes	Standard Operating Instructions/Procedures (SOI/P)	Document
Yes	O&M Training	Document
Yes	RMF Artifacts, IATT, IATO, ATO (accepted in eMASS)	Document
Yes	ROM to MDA/IC Identifying O&M Charge (SSI 5)	Document
Yes	IRES e-mail to customer with cc to Project Champion and COTR confirming that IRES met the Operational Capability	E-mail

Required	IRES Document	Document Type
	Date (SSI 6)	
Yes	Project Closure Form	Document

Project GFI or GFE: (must provide GFI in GFI folder if listed here)

1. FRD Wake Island Test Support Facility 2015 08 25\_Signed\_R1
2. Task 417 Property Inventory
3. Four business lines from the Wake telephone switch for E911 capabilities

## 8700 Task 10.5.019 PRIDE Reporting Database Server [DO] [REV D]

Project Champion: Philip Williams

REQ #: KSR223370 / INC2272003

Background: CCB has requested a physical server and Oracle SW to accommodate increased OLAP functions along with 150 GB of SAN storage for the reporting database. Current PRIDE database supports OLTP (online transaction processing) and OLAP (online analytical processing) functions and the system has reached a point where the functions need to be separated in order to maximize the efficiencies realized when a database is configured to support one function or the other. IC provides PaaS for PRIDE. CCB uses PRIDE to manage financial data for the Agency.

Tasking: The contractor shall procure and implement a new server to support a new PRIDE reporting database using the Oracle RDBMS and associated management tools. The contractor shall equip the server with an 8-core CPU, 64GB RAM, dual HBAs, and include the necessary hardware to full integration in the Trotti data center. The contractor shall procure Oracle licenses and 1st year of support. The software required includes:

1. RDBMS
2. Advanced Security
3. Partitioning Option
4. Diagnostics Pack
5. Tuning Pack
6. Lifecycle Management Pack

The contractor shall utilize unused licenses from DO's CCAR application that will offset some or all of the cost and 1<sup>st</sup> year support for the following:

1. RDBMS
2. Advanced Security

The contractor shall provision 150 GB SAN storage to house the reporting database and attach to the server.

### Requested Milestones

OCD is 120 days after ATP

<u>Milestone</u>	<u>Schedule</u>
Procurement	Order after award
Installation	15 DA Receipt of equipment
Transition to O&M	120 DAC
Project Close	10 DA Transition Complete

### Requested Artifacts/deliverables

Required	IRES Document	Document Type
Yes	Operational Viewpoint (OV-1)	Diagram
Yes	Capability Viewpoint (CV-1)	Diagram
Yes	Physical Viewpoint (SV-1)	Diagram
Yes	Rack Elevation Drawing	Diagram
Yes	Implementation Plan	Document
Yes	Roles and Responsibilities	Document
Yes	RMF Artifacts, IATT, IATO, ATO (accepted in eMASS)	Document
Yes	ROM to MDA/IC Identifying O&M Charge (SSI 5)	Document
Yes	IRES e-mail to customer with cc to Project Champion and COTR confirming that IRES met the Operational Capability Date (SSI 6)	E-mail
Yes	Project Closure Form	Document

Project GFI or GFE: (must provide GFI in GFI folder if listed here)

1. None

## Task 10.5.020 CLAN Project Server [IC] [REV D]

Project Champion: Philip Williams

REQ #: KSR262130

Background: MDA/ICVA is requesting a Project Server instance on the CLAN. Having an ICVA instance of MS Project Server would offer a centralized repository for cybersecurity assessment activities of MDA systems providing the CIO visibility of the overall cyber posture. The ICVA instance requires hosting on the CLAN due to the complication of mission system data in one location that makes the data classified.

Tasking: Using the lessons learned and best practices from the ULAN Project Server implementation, the contractor shall design and implement an enterprise Microsoft Server 2016 environment to support the ICVA mission but be scalable to support other MDA CLAN customers on a fee-for-service basis.

The contractor shall provision servers in the classified cloud to include the following:

- 2 Web Layer Front-End Servers hosting a Project Server app
- 2 Application Layer SharePoint Servers including a Project Server app
- 2 SQL Servers hosting an embedded reporting server and analysis server

In addition, the contractor shall design and deploy an appropriate number of servers in Zone A and Zone B to approximate the production environment for the purposes of testing patches and staging configuration changes.

The contractor shall provide project management oversight. The contractor shall perform liaison and communication activities with Project Champion and project stakeholders (including customer, architecture and engineering). The contractor shall be responsible for the delivery and quality control of all required project documentation in support of service architecture, engineering and design. The contractor shall provide the products listed below:

### Requested Milestones

OCD is 150 days after ATP

Milestone	Schedule
Requirements	30 DAC
DDR/IRR	30 DA Requirements

Milestone	Schedule
Procurement	Order after DDR approval
Installation	45 DA DDR/IRR
Transition to O&M	150 DAC
Project Close	10 DA Transition complete

### Requested Artifacts/deliverables

Required	IRES Document	Document Type
Yes	Implementation Readiness Slide Package	Slide Package

Required	IRES Document	Document Type
Yes	Operational Viewpoint (OV-1)	Diagram
Yes	Capability Viewpoint (CV-1)	Diagram
Yes	Logical Viewpoint (SvcV-1)	Diagram
Yes	Physical Viewpoint (SV-1)	Diagram
Yes	Rack Elevation Drawing	Diagram
Yes	Facility Layout Drawing	Diagram
Yes	Cyber Scorecard	Diagram
Yes	Requirements Traceability Matrix (RTM)	Document
Yes	Rough Order of Magnitude (ROM)	Document
Yes	Business Continuity / Disaster Recovery	Document
Yes	Bill of Materials (BOM)	Document
Yes	High Level Design	Document
Yes	Implementation Plan	Document
Yes	Integrated Test Plan	Document
Yes	Vendor Maintenance	Document
Yes	Monitoring	Document
Yes	Roles and Responsibilities	Document
Yes	Customer / User Communications Plan	Document
Yes	User/O&M Training Plan	Document
Yes	CONOPS	Document
Yes	Transition Plan	Document
Yes	Test Results	Document
Yes	Standard Operating Instructions/Procedures (SOI/P)	Document
Yes	O&M Training	Document
Yes	RMF Artifacts, IATT, IATO, ATO (accepted in eMASS)	Document
Yes	ROM to MDA/IC Identifying O&M Charge (SSI 5)	Document
Yes	IRES e-mail to customer with cc to Project Champion and COTR confirming that IRES met the Operational Capability Date (SSI 6)	E-mail
Yes	Project Closure Form	Document

Project GFI or GFE: (must provide GFI in GFI folder if listed here)

1. None

**8700 Task 10.5.021 Unclassified Enterprise Storage [IC] [REV D]**

Project Champion: Russ Fertitta

REQ #: KSR287049 / INC2491109

Background: IRES has identified ULAN storage capacity will be insufficient to the Agency's FY 2019 storage obligations based known storage requirements. In addition, specific projects such as Avigilon (60TB), VIPC (200TB), 2016 Server Upgrade (200TB) and ArcSight (118TB) cannot be completed without additional ULAN storage capacity.

Tasking: Request the contractor design, procure and implement the unclassified enterprise storage Analysis of Alternatives (AoA) presented to the government on 13 July 2018 to allow 1PB of effective, tier one performance, capacity and reliability. Will also leverage existing storage management knowledge, array migration capabilities, and current platform lifecycle state. The contractor shall implement a storage array solution to accommodate all virtual and cloud Virtual Machine File System (VMFS) volumes that can be migrated via Storage vMotion while not being disruptive to the enterprise storage customer.

**Requested Milestones**

OCD date is 190 days after ATP

<u>Milestone</u>	<u>Schedule</u>
DDR/IRR	45 DAC
Procurement	Ordered after DDR
Installation	175 DAC
Transition to O&M	190 DAC
Project Close	10 DA Transition complete

<b>Required</b>	<b>IRES Document</b>	<b>Document Type</b>
Yes	Implementation Readiness Slide Package	Slide Package
Yes	Operational Viewpoint (OV-1)	Diagram
Yes	Capability Viewpoint (CV-1)	Diagram
Yes	Logical Viewpoint (SvcV-1)	Diagram
Yes	Physical Viewpoint (SV-1)	Diagram
Yes	Rack Elevation Drawing	Diagram
Yes	Facility Layout Drawing	Diagram
Yes	Cyber Scorecard	Diagram
Yes	Requirements Traceability Matrix (RTM)	Document
Yes	Rough Order of Magnitude (ROM)	Document
Yes	Business Continuity / Disaster Recovery	Document
Yes	Bill of Materials (BOM)	Document
Yes	High Level Design	Document
Yes	Implementation Plan	Document

Required	IRES Document	Document Type
Yes	Integrated Test Plan	Document
Yes	Vendor Maintenance	Document
Yes	Monitoring	Document
Yes	Roles and Responsibilities	Document
No	Customer / User Communications Plan	Document
No	User/O&M Training Plan	Document
Yes	CONOPS	Document
No	Transition Plan	Document
Yes	Test Results	Document
No	Standard Operating Instructions/Procedures (SOI/P)	Document
No	O&M Training	Document
No	RMF Artifacts, IATT, IATO, ATO (accepted in eMASS)	Document
Yes	ROM to MDA/IC Identifying O&M Charge (SSI 5)	Document
Yes	IRES e-mail to customer with cc to Project Champion and COTR confirming that IRES met the Operational Capability Date (SSI 6)	E-mail
Yes	Project Closure Form	Document

Project GFI or GFE: (must provide GFI in GFI folder if listed here)

1. IRES UNLAN Storage Upgrade AoA, 31 May 18



**DEPARTMENT OF DEFENSE  
MISSILE DEFENSE AGENCY  
INTEGRATION AND OPERATIONS CENTER**  
730 IRWIN AVENUE  
SCHRIEVER AIR FORCE BASE CO 80912-7300

HQ0796-17-D-0001 TO HQ079618F8700

Subject: IRES Task Order HQ079618F8700, Attachment B to the PWS

Date: 29 June 2018

1. Due to file size constraints, Attachment B to the PWS for HQ079618F8700 is stored in the official contract file only. The official contract file is found within the eCaRT system (<https://ecart.mda.mil/>) under 1\_Admin > 96\_MSTs > Attachment B MST Forms.

(b)(6)

Contracts Specialist

<b>ORDER FOR SUPPLIES OR SERVICES</b>										PAGE 1 OF 15			
1. CONTRACT/PURCH. ORDER/ AGREEMENT NO. HQ079617D0001			2. DELIVERY ORDER/ CALL NO. HQ079618F8900P00004		3. DATE OF ORDER/ CALL (YYYYMMDD) 2018 Mar 01		4. REQ. / PURCH. REQUEST NO. See Schedule			5. PRIORITY DX-C9			
6. ISSUED BY MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300				CODE HQ0796		7. ADMINISTERED BY (if other than 6) DCMA HUNTSVILLE 1040 RESEARCH BLVD SUITE 100 MADISON AL 35758-2040				CODE S0107A  SCO: A			
8. DELIVERY FOB <input checked="" type="checkbox"/> DESTINATION <input type="checkbox"/> OTHER  (See Schedule if other)													
9. CONTRACTOR JACOBS TECHNOLOGY INC. 550 WILLIAM NORTHERN BLVD. TULLAHOMA TN 37398-4727				CODE 7EBK3		FACILITY		10. DELIVER TO FOB POINT BY (Date) (YYYYMMDD) <b>SEE SCHEDULE</b>		11. MARK IF BUSINESS IS <input type="checkbox"/> SMALL <input type="checkbox"/> SMALL DISADVANTAGED <input type="checkbox"/> WOMEN-OWNED			
NAME AND ADDRESS						12. DISCOUNT TERMS		13. MAIL INVOICES TO THE ADDRESS IN BLOCK See Item 15					
14. SHIP TO MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300				CODE HQ0796		15. PAYMENT WILL BE MADE BY DFAS COLUMBUS CENTER SOUTH ENTITLEMENT OPERATIONS P.O. BOX 182264 COLUMBUS OH 43218-2264				MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2.			
16. TYPE OF ORDER		DELIVERY/ CALL		<input checked="" type="checkbox"/>		This delivery order/call is issued on another Government agency or in accordance with and subject to terms and conditions of above numbered contract.							
		PURCHASE		<input type="checkbox"/>		Reference Your Quote dated Furnish the following on terms specified herein. REF:							
ACCEPTANCE. THE CONTRACTOR HEREBY ACCEPTS THE OFFER REPRESENTED BY THE NUMBERED PURCHASE ORDER AS IT MAY PREVIOUSLY HAVE BEEN OR IS NOW MODIFIED, SUBJECT TO ALL OF THE TERMS AND CONDITIONS SET FORTH, AND AGREES TO PERFORM THE SAME.													
NAME OF CONTRACTOR				SIGNATURE				TYPED NAME AND TITLE				DATE SIGNED (YYYYMMDD)	
<input checked="" type="checkbox"/> If this box is marked, supplier must sign Acceptance and return the following number of copies:													
17. ACCOUNTING AND APPROPRIATION DATA/ LOCAL USE  See Schedule													
18. ITEM NO.		19. SCHEDULE OF SUPPLIES/ SERVICES				20. QUANTITY ORDERED/ ACCEPTED*		21. UNIT		22. UNIT PRICE		23. AMOUNT	
		SEE SCHEDULE											
* If quantity accepted by the Government is same as quantity ordered, indicate by X. If different, enter actual quantity accepted below quantity ordered and encircle.						24. CONTRACTING OFFICER'S NAME TELEPHONE (b)(6) E-MAIL (b)(6) BY (b)(6)		25. TOTAL \$13664.661.00 EST		26. DIFFERENCES			
27a. QUANTITY IN COLUMN 20 HAS BEEN <input type="checkbox"/> INSPECTED <input type="checkbox"/> RECEIVED <input type="checkbox"/> ACCEPTED, AND CONFORMS TO THE CONTRACT EXCEPT AS NOTED													
b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE						c. DATE (YYYYMMDD)		d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE					
e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE						28. SHIP NO.		29. DO VOUCHER NO.		30. INITIALS			
f. TELEPHONE NUMBER				g. E-MAIL ADDRESS				<input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL		32. PAID BY		33. AMOUNT VERIFIED CORRECT FOR	
36. I certify this account is correct and proper for payment.													
a. DATE (YYYYMMDD)		b. SIGNATURE AND TITLE OF CERTIFYING OFFICER											
						31. PAYMENT <input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL				34. CHECK NUMBER		35. BILL OF LADING NO.	
37. RECEIVED AT		38. RECEIVED BY		39. DATE RECEIVED (YYYYMMDD)		40. TOTAL CONTAINERS		41. S/R ACCOUNT NO.		42. S/R VOUCHER NO.			

Section B - Supplies or Services and Prices

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1000	(b)(4)				(b)(4)
	Services/Capabilities				
	CPIF				
	The contractor shall provide all services/capabilities identified in the performance work statement (PWS) attached to this task order. All task order costs, other than those specifically included in another contract line item number (CLIN), are included in this CLIN.				
	All share ratios are identified as follows: Government/Contractor. The share ratios are subject to revision in accordance with the IRES Performance Evaluation and Incentive Plan (Contract Attachment J-06).				
	FOB: Destination				
	PURCHASE REQUEST NUMBER: HQ0147863497				
				TARGET COST	(b)(4)
				TARGET FEE	
				TOTAL TGT COST + FEE	
				MINIMUM FEE	
				MAXIMUM FEE	
				SHARE RATIO ABOVE TARGET	
				SHARE RATIO BELOW TARGET	

FSC CD: M1BG

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100001	Incremental Funding	
	ACRN AA	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863497	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100002	Incremental Funding	
	ACRN AE	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147966874	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100003	Incremental Funding	
	ACRN AF	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147967540	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1040		(b) (4)			(b) (4)

Expensed CAP: IT HW/Equip  
CPIF

Contractor purchase of expensed contractor-acquired property (CAP), specifically information technology (IT) hardware (HW)/equipment (equip), necessary to provide the services/capabilities identified in the PWS attached to this task order. CAP is defined in FAR 52.245-1. IT hardware/equipment is a subset of equipment as defined in DoDI 5000.64.

Expensed CAP line items were created as an accounting mechanism designed to provide MDA better visibility and linkage of budget, obligation, expenditure, and government property data. Given the need for this level of visibility and linkage, as well as the need to include these costs as an integral component of the incentives, all task order CLINs are combined and considered a single entity for the purpose of administering the cost and performance incentives identified in the IRES PEIP (Contract Attachment J-06).

All share ratios are identified as follows: Government/Contractor. The share ratios are subject to revision in accordance with the IRES PEIP.

NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.

FOB: Destination

PURCHASE REQUEST NUMBER: HQ0147863497

TARGET COST  
TARGET FEE  
TOTAL TGT COST + FEE  
MINIMUM FEE  
MAXIMUM FEE  
SHARE RATIO ABOVE TARGET  
SHARE RATIO BELOW TARGET

(b) (4)

FSC CD: 7025

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104001	Funding CLIN 1040	
	ACRN AB	(b) (4)
	PURCHASE REQUEST NUMBER: HQ0147863497	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1060		(b)(4)			(b)(4)

Expensed CAP: COTS IUS  
CPIF

Contractor purchase of expensed contractor-acquired property (CAP), specifically commercial-off-the-shelf (COTS) internal use software (IUS), necessary to provide the services/capabilities identified in the PWS attached to this task order. CAP is defined in FAR 52.245-1. COTS IUS is a subset of IUS as defined in DoDI 5000.76.

Expensed CAP line items were created as an accounting mechanism designed to provide MDA better visibility and linkage of budget, obligation, expenditure, and government property data. Given the need for this level of visibility and linkage, as well as the need to include these costs as an integral component of the incentives, all task order CLINs are combined and considered a single entity for the purpose of administering the cost and performance incentives identified in the IRES PEIP (Contract Attachment J-06).

All share ratios are identified as follows: Government/Contractor. The share ratios are subject to revision in accordance with the IRES PEIP.

NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.

FOB: Destination

PURCHASE REQUEST NUMBER: HQ0147863497

TARGET COST  
TARGET FEE  
TOTAL TGT COST + FEE  
MINIMUM FEE  
MAXIMUM FEE  
SHARE RATIO ABOVE TARGET  
SHARE RATIO BELOW TARGET

(b)(4)

FSC CD: 7030

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106001	Funding CLIN 1060	
	ACRN AC	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863497	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1070	Expensed CAP: Non-IT Equip CPIF Contractor purchase of expensed contractor-acquired property (CAP), specifically non-IT equipment, necessary to provide the services/capabilities identified in the PWS attached to this task order. CAP is defined in FAR 52.245-1. Non-IT Equipment is all equipment as defined in DoDI 5000.64, except IT hardware/equipment.  Expensed CAP line items were created as an accounting mechanism designed to provide MDA better visibility and linkage of budget, obligation, expenditure, and government property data. Given the need for this level of visibility and linkage, as well as the need to include these costs as an integral component of the incentives, all task order CLINs are combined and considered a single entity for the purpose of administering the cost and performance incentives identified in the IRES PEIP (Contract Attachment J-06).  All share ratios are identified as follows: Government/Contractor. The share ratios are subject to revision in accordance with the IRES PEIP.  NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent. FOB: Destination PURCHASE REQUEST NUMBER: HQ0147863497	(b)(4)			(b)(4)

TARGET COST	(b)(4)
TARGET FEE	
TOTAL TGT COST + FEE	
MINIMUM FEE	
MAXIMUM FEE	
SHARE RATIO ABOVE TARGET	
SHARE RATIO BELOW TARGET	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
107001	Funding CLIN 1070	
	ACRN AD	(b)(4)
	PURCHASE REQUEST NUMBER: HQ01 47863497	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
7990	Data FFP The contractor shall deliver all data identified in the contract data requirements lists (CDRL) attached to this task order.  Reference Section G of the basic contract. At the end of the task order period of performance, the contractor shall submit one Invoicing, Receipt, Acceptance, and Property Transfer (iRAPT) receiving report for all data previously delivered.  FOB: Destination PURCHASE REQUEST NUMBER: HQ01 47863497	1	Lot		NSP

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NET AMT

FSCCD: MIBG

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
7991		100	Lot		NSP

Expensed CAP Delivery  
FFP

The contractor shall deliver all expensed CAP as required by the IRES  
Government Property Management Task Order.

NOTE: The requirements in DFARS 252.211-7003, Item Identification and  
Valuation, are applicable for this line item. The contractor shall provide DoD  
unique identification or a DoD recognized unique identification equivalent.

FOB: Destination

PURCHASE REQUEST NUMBER: HQ0147863497

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NET AMT

FSC CD: 7025

Section E - Inspection and Acceptance

INSPECTION AND ACCEPTANCE TERMS

Supplies/services will be inspected/accepted at:

CLIN	INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
1000	Origin	Government	Destination	Government
100001	N/A	N/A	N/A	N/A
100002	N/A	N/A	N/A	N/A
100003	N/A	N/A	N/A	N/A
1040	Origin	Government	Destination	Government
104001	N/A	N/A	N/A	N/A
1060	Origin	Government	Destination	Government
106001	N/A	N/A	N/A	N/A
1070	Origin	Government	Destination	Government
107001	N/A	N/A	N/A	N/A
7990	Origin	Government	Destination	Government
7991	Destination	Government	Destination	Government

Section F - Deliveries or Performance

DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	DODAAC / CAGE
1000	POP 05-MAR-2018 TO 04-SEP-2020	N/A	MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 8091 2-7300 FOB: Destination	HQ0796
100001	N/A	N/A	N/A	N/A
100002	N/A	N/A	N/A	N/A
100003	N/A	N/A	N/A	N/A
1040	04-SEP-2020	1	MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 8091 2-7300 FOB: Destination	HQ0796
104001	N/A	N/A	N/A	N/A
1060	04-SEP-2020	1	MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 8091 2-7300 FOB: Destination	HQ0796
106001	N/A	N/A	N/A	N/A
1070	04-SEP-2020	1	MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 8091 2-7300 FOB: Destination	HQ0796
107001	N/A	N/A	N/A	N/A

7990	POP 05-MAR2018 TO 04-SEP-2020	N/A	MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 FOB: Destination	HQ0796
7991	POP 05-MAR-2018 TO 04-SEP-2020	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796

Section G - Contract Administration Data

ACCOUNTING AND APPROPRIATION DATA

AA: 04441 1 097 0400 000 N 20182019 D 2520 Z 4 SD30P\_FY18 IT-211A-FY1819 71IC 254  
 AMOUNT: (b)(4)

AB: 04441 1 097 0400 000 N 20182019 D 2520 Z 4 SD30P\_FY18 IT-211D-FY1819 71IC 310  
 AMOUNT: (b)(4)

AC: 04441 1 097 0400 000 N 20182019 D 2520 Z 4 SD30P\_FY18 IT-211E-FY1819 71IC 310  
 AMOUNT: (b)(4)

AD: 04441 1 097 0400 000 N 20182019 D 2520 Z 4 SD30P\_FY18 IT-211C-FY1819 71IC 310  
 AMOUNT: (b)(4)

AE: 04441 1 097 0400 000 N 20182019 R 2520 11263990 I 71IC 255  
 AMOUNT: (b)(4)

AF: 04441 1 097 0400 000 N 20192020 D 2500 Z 4 SD30P\_FY19 IT-8900L-FY1920 71IC 254  
 AMOUNT: (b)(4)

ACRN	CLIN/SLIN	CIN	AMOUNT
AA	100001	HQ01478634971000	(b)(4)
AB	104001	HQ01478634971040	
AC	106001	HQ01478634971060	
AD	107001	HQ01478634971070	
AE	100002	HQ01479668741000	
AF	100003	HQ01479675400001	

CLAUSES INCORPORATED BY FULL TEXT

DFAS Payment Instructions

The payment office shall allocate and record the amounts paid to the accounting classification citations in the contract based on the type of payment request submitted (see DFARS 252.232-7006) and the type of effort using the table found at [https://www.acq.osd.mil/dpap/dars/pgi/pgi.htm/current/PGI204\\_71.htm#payment\\_instructions](https://www.acq.osd.mil/dpap/dars/pgi/pgi.htm/current/PGI204_71.htm#payment_instructions).

PAYMENT INFO FOR CONTRACTOR

Payment Information for the Contractor:

Payments for CLINs 1000, 1040, 1060, 1070 will be made in accordance with FAR 52.216-7, Allowable Cost and Payment. Payments and the fee payable under the task order are subject to adjustments in accordance with FAR 52.216.10, Incentive Fee, and performance assessments conducted in accordance with the IRES Performance Evaluation and Incentive Plan (Attachment J-06).

All task order CLINs are combined and considered a single entity for the purpose of administering the cost and performance incentives identified in the IRES PEIP (Contract Attachment J-06).

# LIMITATION OF FUNDS ALLOTMENT

In accordance with paragraph (b) of FAR 52.232-22, Limitation of Funds, the amount presently available and allotted for payment, the contract line item numbers (CLINs) items covered, and the period of performance (PoP) it is estimated the allotted amount will cover follow:

CLIN	Cost	Fee	Total	Estimated Funding PoP
1000	(b)(4)			5 Mar 2018 – 31 Oct 2019
1040				Fully Funded
1060				Fully Funded
1070				Fully Funded
Total				

## PPWPS

### PRICED PROSPECTIVE WORK PACKAGES (PPWPs)

Priced prospective work packages (PPWPs) represent potential requirements included in the performance work statement that are priced and negotiated as a part of the instant action, but are not necessarily awarded with the instant action. PPWPs may be awarded in accordance with contract clause H-03, Task Orders, at a later date with a bilateral modification if/when the requirement is ultimately budgeted and needed. The PPWPs priced and executed to date are identified below:

PWS 10.5: Material and Shipping [Maximum: 10 instances. Executed to date: 0 instances]

CLIN 0001

Target Cost: (b)(4)

Target Fee: (b)(4)

Total Cost + Fee: (b)(4)

Minimum Fee: (b)(4)

Maximum Fee: (b)(4)

Section I - Contract Clauses

CLAUSES INCORPORATED BY REFERENCE

52.232-22	Limitation Of Funds
252.21 1-7003	Item Unique Identification and Valuation

APR 1984  
MAR 2016

Section J - List of Documents, Exhibits and Other Attachments

Exhibit/Attachment Table of Contents

DOCUMENT TYPE	DESCRIPTION	PAGES	DATE
Attachment 1	18F8900 PWS	19	23-FEB-2018

Contract: HQ079617D0001

Order: HQ079618F8900



# IRES

Integrated Research & Development for  
Enterprise Solutions

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Order Number: HQ079618F8900

## Government Property Management Performance Work Statement

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Period of Performance:

Base: March 5, 2018 – September 4, 2020

Contract: HQ079617D0001

Order: HQ079618F8900

## ***Change History***

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Version	Date	TO Mod #	Summary of Changes
Original	Feb 23, 2018	TO Award	

Contract: HQ079617D0001

Order: HQ079618F8900

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Contract: HQ079617D0001

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## **1.0 Purpose**

This acquisition is for services required to support the Missile Defense Agency (MDA) under MDA/I5 with property management and warehousing operations of MDA-owned/managed property. The purpose of this task order is to ensure effective and efficient management of MDA-owned property in support of MDA operations and support activities within the scope of this contract.

## **2.0 Background**

The MDA/IC provides mission critical communications, information technology services, and systems infrastructure across the Agency providing effective, secure, and affordable enterprise information capabilities for missile defense. In support of this mission, MDA has procured property management and warehousing services support for MDA-owned/managed property located in various Continental and Outside Continental United States (CONUS/OCONUS) locations for many years. Attachment A provides the geographic locations where property management and warehousing services support are currently performed and associated asset quantities as of the date specified in Attachment A.

## **3.0 Scope**

The contractor shall provide property management and warehousing services support for property owned/managed by MDA/I5. For the purposes of this contract, MDA/I5-owned/managed property is defined as contractor-acquired property (CAP), Government-furnished property (GFP), Government property (MDA/I5 owned edge devices, administrative-type property, e.g., peripherals, switches, power strips, desktop telephones), and software applications and license agreements.

## **4.0 Service Summary Items**

In accordance with the IRES Performance Evaluation and Incentive Plan, Service Summary Items (SSIs) 1 through 4 are common [required] on all task orders and will be assessed at the contract level (i.e., all task orders will receive the same rating).

SSI 5 through 5517 [Technical Performance] captures the specific task order Service Summary Items deemed essential to the successful execution of the task order. Exhibit 1 defines the SSIs applicable to this task order.

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***Exhibit 1. SSIs and Weights Applicable to This Task Order***

SSI #	Title	Description	Performance Threshold UNACCEPTABLE	Performance Threshold ACCEPTABLE	Performance Threshold OBJECTIVE	Weight	Assessment Method
SSI 1	(b)(4)						
SSI 2							
SSI 3							
SSI 4							

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SSI #	Title	Description	Performance Threshold UNACCEPTABLE	Performance Threshold ACCEPTABLE	Performance Threshold OBJECTIVE	Weight	Assessment Method
SSI 5	(b)(4)						
SSI 6							

## 5.0 Contract Data Requirements List (CDRL)

The point of delivery for all CDRL products, except as noted in Exhibit C, is the MDA E-CaRT system. The Contractor shall deliver all such products by saving and profiling them in E-CaRT, with the appropriate notification of delivery letter transmitted electronically to the Government's Data Management Office. Reference Exhibit C for specific CDRL delivery instructions.

### 5.1 Contract Data Requirements List (CDRL) Identification

Task	CDRL	DID	Title	Description
10.1	C001	DI-MGMT-81861/T	18F1500: Integrated Program Management Report	Contains data for measuring cost and schedule performance. The IPMR is structured around seven formats that contain the content and relationships required for the electronic submissions.
10.1	C002	DI-MGMT-80441C	18F8002: Government Property Inventory Report	Provides a quarterly Government Furnished Property (GFP) and Contractor Acquired Property (CAP) Listing.
10.1	C003	DI-MISC-80508B/T	18F1500: Task Order Status Report, [month ending]	Provides significant accomplishments, issues, concerns, lessons learned, financials and risks associated with the task order. The report shall include the following data: <ul style="list-style-type: none"> <li>• Incoming Assets (+)<sup>1</sup></li> <li>• Capital Assets Received In</li> <li>• Capital Assets place on Loss Case</li> <li>• Assets sent out on RMA</li> <li>• Assets Repurposed (Units/\$)<sup>2</sup></li> </ul>

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Task	CDRL	DID	Title	Description
				<ul style="list-style-type: none"><li>Assets Disposed (Units/\$)<sup>2</sup></li><li>Assets Inventoried<sup>3</sup></li><li>% of Property Inventoried (nominal 10%)<sup>4</sup></li><li>Complete information on RMA asset being sent back and on asset being returned. Source documentation from the vendor/OEM along with asset type (GP or CAP/GFP).</li><li>Complete information on losses of Capital Assets (\$250k +).</li></ul> <p>Notes: <sup>1</sup> Based on "Received Date"; <sup>2</sup> Repurposed and disposed includes accountable assets and materials; <sup>3</sup> assets not previously inventoried; <sup>4</sup> % of Baseline not previously inventoried; <sup>5</sup> rounded</p>
	C004	RESERVED		
10.3	C005	DI-MISC-80508B/T	Physical Inventory Reports	The report shall provide the contractor's results and required information for physical inventories of MDA-owned edge devices.

## 5.2 CDRL Tailoring

The DD Form 1423 associated with each CDRL is attached in Exhibit C.



20180214\_18F8900-00\_Exhibit C.pdf

## 6.0 Milestones

Task	Activity	Date / Days After Contract (DAC)
5.1.1.3	Integrated Baseline Review	June 4, 2018
	Initial 100% Inventory of Government Furnished Property and MDA Edge Devices	September 5, 2019
	Subsequent Inventory	September 4, 2020

Note: DAC = Days after task order period of performance start date

## 7.0 Government Property (GP) / Government Furnished Property (GFP) and Government Furnished Information (GFI)

7.1 In addition to the any property associated with IRES Contract SOO, paragraph 6.0, the following property is applicable to this task order and shall be managed under the terms and conditions associated with task order 18F8900.

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- None

7.2 All Contractor Acquired Property associated with this task order shall be managed under the terms and conditions associated with task order 18F8900.

## 8.0 Special Requirements

NONE

## 9.0 Applicable Documents

In addition to the terms and conditions of the IRES contract, the following are applicable to this task order:

Title	Originator	Date
DoD Instruction 5000.76, Paragraph 3.9 (dated 2 March 2017)		

## 10.0 Performance Work Statement

The contractor shall provide and perform property management and warehousing services support for MDA-owned / managed property in accordance with the terms and conditions of IRES contract. The contractor shall manage Government-furnished property (GFP) and contractor acquired property (CAP) in accordance with Federal Acquisition Regulation (FAR) 52.245-1 and the related FAR and Defense FAR Supplement (DFARS) clauses in the base contract. The contractor shall assist and support the MDA/IC Accountable Property Officer (APO) and Property Custodian(s) (PC) in the daily management and execution of property accountability responsibilities. The contractor shall also assist and support the MDA/IS APO/PC by providing warehousing services support including but not limited to packaging, handling, storage, and transportation (PHS&T), inspection, receiving, and temporary staging of MDA-owned / managed property. The Government will provide office facilities to include office space, desk/work stations, chairs, and requisite consumable materials in accordance with FAR 45.000(b)(S) for daily business use. The contractor shall use the Government provided REMEDY Configuration Management Database (CMDB) for daily management activities for all MDA/IS owned/managed property.

### 10.1 TO Management

This portion of this PWS contains structure, objectives and outcomes with respect to the administration of the Task Order. This PWS element represents the work required to administer the Task Order and the Enterprise Support of the Task Order's work and resources.

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### **10.1.1 Task Order Management**

This PWS element represents the work specifically required to support the management of requirements of the overall Task order, which includes all reporting, briefings, awards, modifications, SSIs, etc.

The contractor shall provide the resources and information to communicate and manage task order performance.

Outcomes:

- Provide a single POC responsible for managing the cost, schedule, risk, and technical performance of the TO.
- Provide a single POC to serve as a liaison to the COTR or Assistant COTR (ACOTR) who is responsible for providing insight on TO performance.
- TO activities are managed in accordance with the IRES Program Management Plan (CDRL TO8002 C008).
- All TO requirements are identified, managed, validated, and verified in accordance with the contractor's IRES Systems Engineering Master Plan.

The contractor shall provide task order reporting to accurately monitor status in accordance with CDRL and Milestone requirements.

Outcomes:

- IPMR and TO status report for the TO are delivered per CDRL requirements.
- An Integrated Baseline Review of the TO is performed within 90 days of TO award.
- TO status (e.g., technical, cost, schedule) is reported to the COTR on a monthly basis in accordance with CDRL requirements.
- TO status includes cost and schedule performance by WBS and IRES organization structure; significant accomplishments; customer concerns or issues; TO risks and mitigation status; performance against the IRES contract, SE&PI, and TO SSIs; Earned Value Management (EVM) reports; achievements relative to the utilization goals in the contractor's Small Business Participation and Commitment Plan; quality assurance reviews, audit results, and non-conformance finding closure reports; safety information.
- TO performance trends are identified, tracked and shared with the COTR, ACOTR, and applicable government stakeholders.

#### **10.1.1.2 Responsible Organization Management**

The contractor shall provide qualified personnel and manage personnel issues to perform TO activities.

Outcomes:

- The workforce is managed efficiently, mitigating workforce surge and drawdown impacts, analyzing workforce trends, and forecasting workforce needs IRES-wide.
- A trained and qualified workforce is maintained that is able to perform the functions necessary to operate, support, and sustain MDIOC facilities and systems.

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The contractor shall maintain accountability of all property under its control and provide reporting to ensure government situational awareness of property status.

Outcomes:

- All TO Government Furnished Equipment (GFE) is tracked and managed in accordance with the IRES Property Management Plan.
- Quarterly Interim Government Property Inventory Report (CDRL 18F8002 C002) is delivered.
  - The electronic status report describes the condition and usage status of Government Furnished Property (GFP) received under this TO.
  - CDRL reporting excludes material purchased by the contractor for use in deliverable end items and scrapped material consumed in testing.
  - Part numbers and National Stock Numbers are documented, when available, and justify any requested GFP changes in requirements compared to the GFP list in the contract.
- The repair and test of GFE items is coordinated by the contractor and documented as required to support this TO.
- The Accountable Property Officer (APO) is notified prior to disposal of any property.
  - All property is disposed of in accordance with MDA 4161.01, Property Accountability and Reporting.
  - Precious metals are salvaged in accordance with the DoD Precious Metals Recovery Program.

#### **10.1.1.3 Administrative Support**

The contractor shall provide resources to manage the contractual requirements, and provide financial oversight and performance tracking for the task order.

Outcomes:

- Task Order financial management activities ensure that task order reporting, including reporting, accurately reflect the current state of TO financial performance and status.
- TO contractual deliverables are provided within the agreed to schedule, in the correct formats and to a high level of quality.

#### **10.1.2 Enterprise Task Order Support**

This PWS element represents the work of enterprise support to the Task Order's work and resources.

##### **10.1.2.1 Enterprise Management**

The contractor shall provide the resources and data to enable enterprise management of this task order for human resources, business/finance, and JEMS in support of integration.

Outcomes:

- IPMR and TO status report for the TO are delivered per CDRL requirements.
- TO status (e.g., technical, cost, schedule) is reported to the COTR on a monthly basis in accordance with CDRL requirements.
- MDA customers and stakeholders have on-demand access to a TO status report dashboard.

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- TO export control requirements are managed to comply with DoD and MDA requirements, including International Traffic in Arms Regulations (ITAR) (22 CFR 120-130) and Technical Assistance Agreements processes as required.
- Any individuals requiring access to Government information technology systems have completed Information Assurance Awareness training.
- Personnel performing information assurance functions on national security systems meet the Committee on National Security Systems training requirements.

#### **10.1.2.2 Mission and Performance Assurance**

The contractor shall perform System Engineering functions to ensure the products and services provided under this TO utilize established Systems Engineering practices that are standardized across the IRES contract in support of the MDA mission.

Outcomes:

- Deliver an Integrated Master Schedule (IMS), in accordance with Integrated Program Management Report (IPMR) requirements, using the contractor's JEMS Portal.
- The TO IMS is integrated into the contractor's IRES Integrated Schedule (IIS).
- Systems Integration requirements and capabilities gaps, lessons learned, and a common MDIOC system vision are integrated enterprise-wide.
- Critical assets are managed, to include conflict forecasting and de-confliction, across the IRES enterprise.

The contractor shall track, manage and report on TO performance measures, including metrics, lessons learned and accomplishments.

Outcomes:

- Based on TO performance trends, periodic audits of task estimates are performed, TO risks are tracked, and schedule accuracy is evaluated.
- All TO CDRLs are delivered on time and with accurate information.
- Customer satisfaction with the services and products delivered in this TO is solicited and tracked.
- TO performance is continuously evaluated and improved using objective performance measures.
- TO lessons learned, best practices, and accomplishments are collected and shared with the COTR, ACOTR, other government stakeholders, and IRES workforce.

The contractor shall incorporate Mission Assurance activities into all TO tasks in support of the MDA mission.

Outcomes:

- TO asset configurations are managed in accordance with the IRES Configuration Management Plan (CDRL TO8002 C022).
- TO risks are managed in accordance with the IRES Risk Management Plan (CDRL TO8002 C021).

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- The quality of TO activities is assured in accordance with the Quality Assurance Program Plan (CDRL TO8002 C020).
- TO supplies are purchased in accordance with the IRES Supply Chain Risk Management Plan, including the development of a supply chain map and authorized suppliers list for critical systems.

The contractor shall provide information security, physical security, export control and cybersecurity training and processes in accordance with federal, DoD and agency requirements to safeguard the conduct of the MDA mission through the IRES contract.

Outcomes:

- MDA-identified Critical Program Information (CPI) and Critical Technologies (CT) are protected to the standards required in DoDI 5200.39
- TO cybersecurity risks are managed in accordance with the Cybersecurity Risk Management Plan (CDRL TO8002 C016).
- All Controlled Unclassified Information is protected from unauthorized access, disclosure, incident, or compromise.
- All contractor-managed TO systems maintain System Authorization in accordance with DoDI 8510.01, Risk Management Framework.
- Cybersecurity requirements and considerations are integrated into TO systems engineering, design, and risk management processes.
- All contractor-managed TO systems are operated in accordance with cybersecurity requirements.
- Security administration is provided to comply with applicable DoD, MDA, and local security directives, policies, procedures, and instructions for physical security and for the safeguarding of BMDS controlled and classified information, to include proper document marking, classification, storage, accountability, transmittal, and destruction.
- Personnel requiring privileged access maintain appropriate computing environment certifications for the operating system(s) and/or security related tools/devices they support or operate.

The contractor shall promote and enforce safe and sustainable work practices to prevent personnel injury, damage to property or harm to the environment.

Outcomes:

- TO activities are performed in accordance with the Mishap Prevention and Safety Plan (CDRL TO8002 C024) to prevent personnel injury and property damage.
- TO activities are performed in accordance with the Environmental Program Plan (CDRL TO8002 C023) to prevent harm to the environment and maximize sustainable practices.

#### **10.1.2.3 Functional Management and Administrative Support**

The contractor shall provide a functional management oversight structure to lead, manage and assign resources within their organization.

Outcomes:

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- TO activities are monitored by functional management oversight to ensure resources performing on the TO are trained and equipped to accomplish TO objectives.

The contractor shall provide functional administrative and management support as required to communicate and deliver enterprise integration.

Outcomes:

- TO supplied with adequate and capable functional administrative support to ensure accomplishment of TO objectives.

### **10.1.3 Task Order Award and Modification**

The contractor shall provide the resources and data to provide timely and accurate proposals to government requirements for proposal and other contract modification actions. If this TO requires a proposal modification, cost must be collected and reported at this level.

## **10.2 Property Management**

### **10.2.1 Government-Furnished Property (GFP) and Contractor Acquired Property (CAP) Management**

10.2.1.1 The contractor shall implement and sustain an asset management program that documents and maintains complete records of all GFP and CAP in REMEDY CMDB.

10.2.1.2 After the initial inventory (reference ¶10.4 or ¶10.5) the contractor shall perform a physical inventory of all GFP.

10.2.1.3 The contractor shall apply MDA provided identification tags to all MDA/IS owned/managed property. The contractor will assist in the removal of all other tagging during the initial 100% inventory. Contractor shall update the CMDB to ensure the CMDB asset number is the same as the MDA DPAS asset number.

10.2.1.4 The contractor shall enter CAP into the REMEDY CMDB within five business days of receipt.

10.2.1.5 The contractor shall apply MDA provided identification tags to all CAP at receipt. No other MDA Asset ID contractor tags shall be used. Virtual tagging of CAP or GFP shall be limited to property that cannot be physically tagged (e.g., size limitations, safety). Items that cannot be physically tagged shall be identified by the contractor in writing to the MDA/IS APO/PC and annotated as such in the REMEDY CMDB record. (Note: Any property owned by the contractor shall be properly tagged to distinguish ownership (e.g., Jacobs-owned property) to include property acquired under a fixed-price type contract line item number (CLIN) not specifically identified as a deliverable to which Jacobs retains title. Hardware and software connected to MDA's network as well as real property, furniture and appliances intended for use in MDA facilities are always considered a deliverable.)

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10.2.1.6 Within each task order, the contractor shall submit Material Inspection and Receiving Report as required by DFARS 252.246-7000 using the Invoicing, Receipt, Acceptance, and Property Transfer (iRAPT) application in the Wide Area Workflow (WAWF) e-Business Suite.

Discrete receiving reports shall be submitted for delivery of CAP classified as:

- 1) Equipment, Special Test Equipment, and Special Tooling (excludes general purpose tools). Submit report quarterly (15 January, 15 April, 15 July, and 15 October; the final task order receiving report will be submitted in accordance with task order HQ079618F8002, paragraph 10.5).
- 2) Software. Submit report quarterly (15 January, 15 April, 15 July, and 15 October; the final task order receiving report will be submitted in accordance with task order HQ079618F8002, paragraph 10.5).
- 3) Communications security (COMSEC) equipment. Submit report as equipment is received.
- 4) General-purpose tools. Submit report upon completion of each task order period of performance in accordance with task order HQ079618F8002, paragraph 10.5.

The contractor shall also provide an electronic flat file attachment of the items being delivered for each iRAPT Receiving Report to facilitate the electronic uploading of CAP deliveries into Defense Property Accountability System (DPAS). The iRAPT Receiving Report for property must include the following data element(s):

- MDA Asset ID Number
- Item Description
- National Stock Number (if applicable)
- Serial Number
- Quantity
- Unit of Measure
- Date of Transaction / Date of Acquisition
- Unit Acquisition Cost
- Manufacturer Name
- Manufacturer CAGE Code (if known)
- Manufacturer Part Number
- Year of Manufacture (Only required for Capital Assets (i.e., greater than or equal to \$250,000))
- Model Number
- Unique Item Identifier
- Classification of Property (e.g., Communication Security (COMSEC), Equipment (EQP), Material (MAT), Special Test Equipment (STE), or Special Tooling (ST))

The iRAPT Receiving Report for software must include the data element in paragraph 3.9 of DoDI 5000.76.

10.2.1.7 The contractor shall report all CAP delivered/accept by the Government and provided back as GFP for continued use on the IRES contract in the Item Unique Identification (IUID) Registry as

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required by DFARS 252.211-7007. The contractor shall use MDA's construct 1 (LDDODAACBARCODE, ex: LDHQ0147MDA180012345) for establishing Unique Item Identifiers (UIIs) for the IUID Registry.

10.2.1.8 The Plant Clearance Automated Reutilization Screening System (PCARSS) shall not be used to request transfer of accountability. The contractor shall formally submit transfer requests in writing to the Contracting Officer in accordance with FAR 52.245-1(j)(1). Once transfer of GFP requests are approved and authorized by contract modification, the contractor shall use the iRAPT application in WAWF to document the property transfer.

10.2.1.9 The reutilization of GFP to other MDA programs or DoD services/agencies shall be directed by the Contracting Officer in writing. The contractor shall coordinate the execution of the transfer with the MDA/IS APO/PC. The contractor shall use the iRAPT application in WAWF to document the property transfer.

10.2.1.10 The contractor shall ensure vendor (e.g., Apple, Cisco, Dell, Samsung) documentation is received on all GFP warranty and maintenance returns that result in asset replacement and provided to the MDA/IS APO/PC within three business days of the date of receipt of the replacement. The contractor shall ensure the vendor documentation clearly identifies the asset being replaced and the replacement asset.

10.2.1.11 Reserved.

10.2.1.11 When possible, the contractor shall credit proceeds from the sale of GFP or scrap against contract overhead. The credit shall be clearly documented on the applicable invoice/voucher and captured in the task order status report. All other proceeds shall be credited to the Treasury of the United States.

10.2.1.13 Reserved

10.2.1.14 Reserved

10.2.1.15 Reserved

10.2.1.16 The contractor shall assist and support the MDA/IS APO/PC in performing annual reconciliation of DPAS records. The contractor shall provide all available data, reports, and asset management information in REMEDY CMDB or other asset management systems/databases used by the contractor in performance of the contract.

## **10.2.2 Government Property – MDA/IC-Owned and Managed Edge Device Management**

10.2.2.1 The contractor shall implement and sustain an asset management program that documents and maintains complete records of all MDA/IC-owned edge devices in REMEDY CMDB. At issue, peripherals are considered consumed and shall not be entered into the CMDB.

10.2.2.2 The contractor shall establish, coordinate signature, and maintain property hand receipts (i.e., MDA Form 111, MDA Property Accountability Form) for MDA-owned edge devices (to

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include CAP pending delivery) to document the transfer of accountability to MDA users. The contractor shall provide the MDA/IS APO/PC a complete MDA Form 111 within three business day of signature to facilitate the timely update of DPAS. MDA Form 111(s) will be reviewed annually (at a minimum) and updated, if changes have occurred.

10.2.2.3 RESERVED.

10.2.2.4 The contractor shall perform a physical inventory of MDA/IC-owned/managed edge devices verifying existence and completeness annually. The contractor shall provide inventory results of MDA-IC owned/managed edge devices to the MDA/IS APO/PC for review and approval in accordance with DI-MISC-80508B/T and delivered IAW CDRL C005.

10.2.2.5 The contractor shall identify excess MDA/IC-owned/managed edge devices and coordinate disposal with the MDA/IS APO/PC. MDA/IC-owned/managed edge devices will not be dispositioned through PCARSS. The contractor shall conduct MDA/IS APO/PC approved disposal actions of excess MDA/IC-owned edge devices and provide adequate disposal documentation to the MDA/IS APO/PC within three business day of disposal.

10.2.2.6 For MDA/IC-owned/managed edge devices under warranty, the contractor shall ensure vendor (e.g., Apple, Cisco, Dell, Samsung) documentation is received on all MDA/IC-owned/managed edge device warranty and maintenance returns that result in asset replacement and provided to the MDA/IS APO/PC within three business day of the date of receipt of the replacement asset. The contractor shall ensure the vendor documentation clearly identifies the asset being replaced and the replacement asset.

10.2.2.7 The contractor shall report missing MDA/IC-owned/managed edge devices within 24 hours of identifying an item of property is missing to the MDA/IS APO/PC. To facilitate the Financial Liability Investigation of Property Loss (FLIPL), the contractor shall submit a written report to the MDA/IS APO/PC with the following information:

- Date of item was identified as missing
- MDA Asset ID Number
- Name of accountable MDA-user
- Date of last inventory
- Other pertinent details involving the missing item(s)

10.2.2.8 The contractor shall provide the MDA/IS APO/PC with supporting documentation for relocation of MDA/IC-owned/managed edge devices within one business day to facilitate the timely update of DPAS.

10.2.2.9 The contractor shall assist and support the MDA/IS APO/PC in performing annual reconciliation of all MDA-owned property identified in DPAS. The contractor shall provide all available data, reports, and asset management information recorded in REMEDY CMDB or other asset

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management systems/databases used by the contractor in performance of the contract IAW DI-MISC-X80508B/T and delivered IAW CDRL C005.

### **10.2.3 Warehouse Operations Services**

10.2.3.1 The contractor shall perform warehousing services support at Government locations identified in Attachment A and any other locations as identified by MDA/IS APO.

10.2.3.2 The contractor shall apply best commercial practices and safety standards for all warehousing services support and operations.

10.2.3.3 The contractor shall coordinate with and leverage MDA Logistics Operations (MDA/DP LT) in support of OCONUS movement of MDA/IS owned/managed property, as required. Any damages during property movement shall be reported to the MDA/IS APO/PC.

10.2.3.4 The contractor shall ensure all general purpose tools, test, and support equipment necessary for warehousing services support shall be maintained in a serviceable condition throughout the period of performance.

### **10.3 Technology-based Inventory – Proof of Concept**

The contractor shall develop and demonstrate a hardware / software solution to conducting property inventories. This solution, if viable, will 1) satisfy both the immediate requirement to conduct an initial inventory of all Government property (to be executed under paragraph 10.4); 2) improve data integrity; and 3) reduce costs associated with future annual inventories.

This effort will be accomplished within 2 months of the Task Order start date.

### **10.4 Apply Proof of Concept to Conduct Initial Government Property Inventory**

The contractor shall apply the technology-based inventory solution (paragraph 10.3) to conduct an initial 100% inventory and re-tagging (as necessary) of all property under IRES.

10.4.1 The contractor shall remove existing / obsolete / inappropriate property tags.

10.4.2 The contractor shall update the CMDB to ensure the CMDB asset number is the same as the MDA DPAS asset number. In the event there is a disconnect between CMDB and DPAS data, the contractor shall update CMDB to match DPAS data. When the asset data does not match the asset, the contractor shall notify and provide evidence (e.g., photo) to the MDA/APO; if no evidence is available, the government will verify assertion and take corrective action.

10.4.3 The initial inventory will be accomplished within 17 months of the Task Order start date.

10.4.4 Within 30 days of completing the initial physical inventory, the contractor shall prepare a loss of Government property case as required by FAR 52.245-1 and DFARS 252.245-7002 for all property on the initial GFP list at contract Attachment J-05 that was not found during the inventory. The contractor shall indicate in this initial inventory loss case report that the GFP list at contract Attachment J-05 was accepted conditionally pending completion of the physical inventory. (Note: In addition to the

Contract: HQ079617D0001

Order: HQ079618F8900

standards for limiting contractor liability in FAR 52.245-1(h) (Apr 2012), MDA will not hold the contractor responsible for assets not found and reported missing/lost resulting from this initial inventory when assessing Jacobs' performance. This specific loss does not result from willful misconduct or lack of good faith on the part of the contractor's managerial personnel. This specific loss does not result from the contractor's failure to maintain adequate property management practices.)

#### **10.5 Priced Prospective Work Package (PPWP): Material and Shipping**

Provide for material procurement and shipping in \$10,000 increments. This PPWP may be executed by task order modification up to X times.

### **11.0 Definitions**

"Contractor-acquired property" means property acquired, fabricated, or otherwise provided by the contractor for performing a contract and to which the Government has title.

"Government-furnished property" means property in the possession of, or directly acquired by, the Government and subsequently furnished to the contractor for performance of a contract.

"Government-owned property" means all property to which the Government has title.

"MDA/IC-owned/managed edge device" means desktop and laptop computers (to include monitors), desktop and cellular telephones, KVM switches, and tablets with direct interface with the MDA Admin/GENSER network and issued to a MDA user.

"MDA-user" means a MDA employee or a MDA support contractor employee.

"Peripheral device" means any auxiliary device that connects to and works with the computer in some way. Examples include a mouse, keyboard, dockings station, common access card reader, and webcam.

"General-purpose tools" means tools suitable for two or more basic uses. Examples include chisels, files, hammers, hacksaws, hand snips, mallets, pliers, portable drills, punches, screwdrivers, and wrenches.

Contract: HQ079617D0001

Order: HQ079618F8900

## ATTACHMENT A

### GOVERNMENT PROPERTY MAJOR LOCATIONS, LABOR TYPE AND QUANTITIES

MDA has Government Property at approximately 135 Locations with approximately 132,700 deployed IT property assets, with 5% at OCONUS locations. The majority of overseas sites have UNLAN/CLAN Router, Switch and Firewall and MDA-owned edge-device user equipment. Three identified IT warehouses store approximately 88,000 Sq./Ft storing approximately 35,600 assets and materials. DPAS contains 78,320 records; these items must be tagged with specific MDA-provided tags. The remaining items can be tagged with any tag. When existing tags are not readily accessible, the new tag can be applied without removing the existing tag.

Property location assumptions:

- 60% of property is within MDA-provided office space.
- 25% of property requires special access within MDA facilities
- 10% of property requires special access external to MDA facilities
- 5% of property requires OCONUS travel

Government Property Information			
Location	Labor Type	Approximate Facility Sq. Ft	Asset Quantity
Colorado Springs, CO.	Property and Warehouse Ops	64,000	49,000
Huntsville, AL.	Property and Warehouse Ops	20,000	62,000
Ft Belvoir, VA. /Dahlgren VA.	Property and Warehouse Ops	4,000	15,500
Fort Greely, AK	Property	0	1190
Reagan Test Site, Kwajalein, Marshall Islands	Property	0	158
Elmendorf Air Station, AK	Property	0	128
Kirtland Air Force Base, NM	Property	0	430
Eareckson Air Station, AK	Property	0	140
Pacific Missile Range Facility, Kauai, HI	Property	0	1,000
Vandenberg Air Force Base, CA	Property	0	614
Poland AB	Property	0	475
Other CONUS Locations	Property	0	200
Pacific Region	Property	0	745
European Region	Property	0	220
Middle Eastern Region	Property	0	270

<b>ORDER FOR SUPPLIES OR SERVICES</b>										PAGE 1 OF 18			
1. CONTRACT/PURCH. ORDER/ AGREEMENT NO. HQ079617D0001			2. DELIVERY ORDER/ CALL NO. HQ079618F9400P00030		3. DATE OF ORDER/ CALL (YYYYMMDD) 2017 Dec 08		4. REQ. PURCH. REQUEST NO. See Schedule		5. PRIORITY DX-C9				
6. ISSUED BY MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300			CODE HQ0796		7. ADMINISTERED BY (if other than 6) DCMA HUNTSVILLE 1040 RESEARCH BLVD SUITE 100 MADISON AL 35758-2040			CODE S0107A		8. DELIVERY FOB <input checked="" type="checkbox"/> DESTINATION <input type="checkbox"/> OTHER (See Schedule if other)			
9. CONTRACTOR JACOBS TECHNOLOGY INC. 550 WILLIAM NORTHERN BLVD. TULLAHOMA TN 37388-4727			CODE 7EBK3		FACILITY		10. DELIVER TO FOR POINT BY (Date) (YYYYMMDD) <b>SEE SCHEDULE</b>		11. MARK IF BUSINESS IS <input type="checkbox"/> SMALL <input type="checkbox"/> SMALL DISADVANTAGED <input type="checkbox"/> WOMEN-OWNED				
NAME AND ADDRESS			12. DISCOUNT TERMS		13. MAIL INVOICES TO THE ADDRESS IN BLOCK See Item 15								
14. SHIP TO MISSILE DEFENSE AGENCY (MDA) (b)(6) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300			CODE HQ0796		15. PAYMENT WILL BE MADE BY FAS COLUMBUS CENTER SOUTH ENTITLEMENT OPERATIONS P. O. BOX 182264 COLUMBUS OH 43218-2264			CODE HQ0338		MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2.			
16. TYPE OF ORDER		DELIVERY/ CALL		<input checked="" type="checkbox"/> X		This delivery order/call is issued on another Government agency or in accordance with and subject to terms and conditions of above numbered contract.							
PURCHASE						Reference your quote dated Furnish the following on terms specified herein, REF:							
ACCEPTANCE. THE CONTRACTOR HEREBY ACCEPTS THE OFFER REPRESENTED BY THE NUMBERED PURCHASE ORDER AS IT MAY PREVIOUSLY HAVE BEEN OR IS NOW MODIFIED, SUBJECT TO ALL OF THE TERMS AND CONDITIONS SET FORTH, AND AGREES TO PERFORM THE SAME.													
NAME OF CONTRACTOR				SIGNATURE				TYPED NAME AND TITLE				DATE SIGNED (YYYYMMDD)	
<input checked="" type="checkbox"/> If this box is marked, supplier must sign Acceptance and return the following number of copies:													
17. ACCOUNTING AND APPROPRIATION DATA/ LOCAL USE  See Schedule													
18. ITEM NO.		19. SCHEDULE OF SUPPLIES/ SERVICES				20. QUANTITY ORDERED/ ACCEPTED*		21. UNIT		22. UNIT PRICE		23. AMOUNT	
		SEE SCHEDULE											
* If quantity accepted by the Government is same as quantity ordered, indicate by X. If different, enter actual quantity accepted below quantity ordered and encircle.						24. UNITED STATES OF AMERICA (b)(6) E-Mail @a.mil		(b)(6)		25. TOTAL \$26,521,127.00 EST		26. DIFFERENCES	
27a. QUANTITY IN COLUMN 20 HAS BEEN <input type="checkbox"/> INSPECTED <input type="checkbox"/> RECEIVED <input type="checkbox"/> ACCEPTED, AND CONFORMS TO THE CONTRACT EXCEPT AS NOTED													
b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE						c. DATE (YYYYMMDD)		d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE					
e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE						28. SHIP NO.		29. DO VOUCHER NO.		30. INITIALS			
f. TELEPHONE NUMBER						g. E-MAIL ADDRESS							
36. I certify this account is correct and proper for payment.						<input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL		32. PAID BY		33. AMOUNT VERIFIED CORRECT FOR			
a. DATE (YYYYMMDD)		b. SIGNATURE AND TITLE OF CERTIFYING OFFICER				31. PAYMENT <input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL				34. CHECK NUMBER			
										35. BILL OF LADING NO.			
37. RECEIVED AT		38. RECEIVED BY		39. DATE RECEIVED (YYYYMMDD)		40. TOTAL CONTAINERS		41. S/R ACCOUNT NO.		42. S/R VOUCHER NO.			

Section B - Supplies or Services and Prices

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1000	(b)(4) Services/Solutions CPIF The contractor shall provide all services/capabilities identified in the performance work statement (PWS) at attached to this task order. All task order costs, other than those specifically included in another contract line item number (CLIN), are included in this CLIN.  All share ratios are identified as follows: (b)(4) Government/Contractor. The share ratios are subject to revision in accordance with the IRES Performance Evaluation and Incentive Plan (Contract Attachment J-06).  FOB: Destination PURCHASE REQUEST NUMBER: HQ0147861355	(b)(4)			(b)(4)
				TARGET COST TARGET FEE  TOTAL TGT COST + FEE MINIMUM FEE MAXIMUM FEE  SHARE RATIO ABOVE TARGET SHARE RATIO BELOW TARGET	(b)(4)

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100001	Incremental Funding  ACRNAA  PURCHASE REQUEST NUMBER: HQ0147861355	(b)(4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100002	Incremental Funding	
	ACRN AE	(b)(4)
	PURCHASE REQUEST NUMBER: DJAM18A257	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100003	Incremental Funding	
	ACRN AF	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864973	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100004	Incremental Funding	
	ACRN AF	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147861355-0011	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100005	Incremental Funding	
	ACRNAG	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147968416	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1040		(b)(4)			(b)(4)

Expensed CAP: IT HW/Equip  
CPIF

Contractor purchase of expensed contractor-acquired property (CAP)—specifically information technology (IT) hardware (HW)/equipment (equip)—necessary to provide the services/capabilities identified in the PWS attached to this task order. CAP is defined in FAR 52.245-1. IT HW/Equip is a subset of equipment as defined in DoDI 5000.64.

Expensed CAP line items were created as an accounting mechanism designed to provide MDA better visibility and linkage of budget, obligation, expenditure, and government property data. Given the need for this level of visibility and linkage, as well as the need to include these costs as an integral component of the incentives, all task order CLINs combined and considered a single entity for the purpose of administering the cost and performance incentives identified in the IRES PEIP (Contract Attachment J-06).

All share ratios are identified as follows: (b)(4) Government/Contractor. The share ratios are subject to revision in accordance with the IRES PEIP.

The tech refresh hardware packages shall be purchased by COCOM as broken out in the proposal. The contract shall only purchase hardware by COCOM was directed by the COR via a Technical Direction Letter.

NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.

FOB: Destination

PURCHASE REQUEST NUMBER: HQ01 47861 355

TARGET COST  
TARGET FEE  
TOTAL TGT COST + FEE  
MINIMUM FEE  
MAXIMUM FEE  
SHARE RATIO ABOVE TARGET  
SHARE RATIO BELOW TARGET

(b)(4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104001	Incremental Funding	
	ACRNAA	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147861355	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1060		(b)(4)			(b)(4)

Expensed CAP: COTS IUS  
 CPIF

Contractor purchase of expensed contractor-acquired property (CAP)—specifically commercial-off-the-shelf (COTS) internal use software (IUS)—necessary to provide the services/capabilities identified in the PWS attached to this task order. CAP is defined in FAR 52.245-1. COTS IUS is a subset of IUS as defined in DoD 15000.76.

Expensed CAP line items were created as an accounting mechanism designed to provide MDA better visibility and linkage of budget, obligation, expenditure, and government property data. Given the need for this level of visibility and linkage, as well as the need to include these costs as an integral component of the incentives, all task order CLINs are combined and considered a single entity for the purpose of administering the cost and performance incentives identified in the IRES PEIP (Contract Attachment J-06).

All share ratios are identified as follows (b)(4) Government/Contractor. The share ratios are subject to revision in accordance with the IRES PEIP.

The tech refresh hardware packages shall be purchased by COCOM as broken out in the proposal. The contract shall only purchase hardware by COCOM was directed by the COR via a Technical Direction Letter.

NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.

FOB: Destination

PURCHASE REQUEST NUMBER: HQ0147861355

TARGET COST  
 TARGET FEE  
 TOTAL TGT COST + FEE  
 MINIMUM FEE  
 MAXIMUM FEE  
 SHARE RATIO ABOVE TARGET  
 SHARE RATIO BELOW TARGET

(b)(4)

FSC CD: 7030

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106001	Incremental Funding	
	ACRN AA	(b)(4)
	PURCHASE REQUEST NUMBER: HQ01 47861 355	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1500	FMS Services/Capabilities FFP FMS Case#: JA-I-UAA	1	Lot	(b)(4)	(b)(4)
	The contractor shall provide all services/capabilities identified in section 10.57 of the performance work statement (PWS) attached to this task order. All task order costs, other than those specifically included in another contract line item number (CLIN), are included in this CLIN. FOB: Destination PURCHASE REQUEST NUMBER: HQ0147861 355				

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NET AMT	(b)(4)
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FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	AMOUNT
150001	Incremental Funding	
	ACRNAB	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147862398	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1700	O&M Services/Solutions CPIF	(b)(4)			(b)(4)
	The contractor shall provide all services/capabilities identified in performance work statement (PWS) paragraphs 10.30 and 10.31 attached to this task order. All task order costs, other than those specifically included in another contract line item number (CLIN), are included in this CLIN.				
	All share ratios are identified as follows: (b)(4) Government/Contractor. The share ratios are subject to revision in accordance with the IRES Performance Evaluation and Incentive Plan (Contract Attachment J-06).				
	FOB: Destination				
	PURCHASE REQUEST NUMBER: HQ0147861355				
				TARGET COST TARGET FEE	(b)(4)
				TOTAL TGT COST + FEE	
				MINIMUM FEE	
				MAXIMUM FEE	
				SHARE RATIO ABOVE TARGET SHARE RATIO BELOW TARGET	

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	AMOUNT
170001	Incremental Funding	
	ACRN AC	(b)(4)
	PURCHASE REQUEST NUMBER: F3NF118011G002	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
170002	Incremental Funding	
	ACRN AD	(b)(4)

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1701	R&D Services/Capabilities	(b)(4)			(b)(4)
	CPIF				
	The contractor shall provide all services/capabilities identified in performance work statement (PWS) paragraphs 10.32 attached to this task order. All task order costs, other than those specifically included in another contract line item number (CLIN), are included in this CLIN.				
	All share ratios are identified as follows (b)(4) Government/Contractor. The share ratios are subject to revision in accordance with the IRES Performance Evaluation and Incentive Plan (Contract Attachment J-06).				
	FOB: Destination				
	PURCHASE REQUEST NUMBER: HQ0147861355				
				TARGET COST	(b)(4)
				TARGET FEE	
				TOTAL TGT COST + FEE	
				MINIMUM FEE	
				MAXIMUM FEE	
				SHARE RATIO ABOVE TARGET	
				SHARE RATIO BELOW TARGET	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
170101	Incremental Funding	
	ACRNAG	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147968416-0002	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
7990	Data Delivery FFP The contractor shall deliver all data identified in the contract data requirements lists (CDRL) attached to this task order.  Reference Section G of the basic contract. At the end of the task order period of performance, the contractor shall submit one Invoicing, Receipt, Acceptance, and Property Transfer (iRAPT) receiving report for all data previously delivered.  NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent. FOB: Destination PURCHASE REQUEST NUMBER: HQ0147861355	1	Lot		NSP

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NET AMT

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
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7991		30	Lot		NSP
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Expensed CAP Delivery  
FFP

The contractor shall deliver all expensed CAP as defined in FAR 52.245-1.

Reference Section G of the basic contract. Every two weeks, the contractor shall submit an iRAPT receiving report. Attach to that report a spreadsheet(s) Configuration Management Database (CMDB) Remedy report or equivalent) with the data elements identified in section 4a(8)(b) of MDA 41 61.01 -M or section 3.9a of DoDI 5000.76 for each item included in the delivery.

NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.

FOB: Destination

PURCHASE REQUEST NUMBER: HQ0147861355

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NET AMT

FSC CD: AC23

Section E - Inspection and Acceptance

INSPECTION AND ACCEPTANCE TERMS

Supplies/services will be inspected/accepted at:

CLIN	INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
1000	Destination	Government	Destination	Government
100001	N/A	N/A	N/A	N/A
100002	N/A	N/A	N/A	N/A
100003	N/A	N/A	N/A	N/A
100004	N/A	N/A	N/A	N/A
100005	N/A	N/A	N/A	N/A
1040	Destination	Government	Destination	Government
104001	N/A	N/A	N/A	N/A
1060	Destination	Government	Destination	Government
106001	N/A	N/A	N/A	N/A
1500	Destination	Government	Destination	Government
150001	N/A	N/A	N/A	N/A
1700	Destination	Government	Destination	Government
170001	N/A	N/A	N/A	N/A
170002	N/A	N/A	N/A	N/A
1701	Destination	Government	Destination	Government
170101	N/A	N/A	N/A	N/A
7990	Destination	Government	Destination	Government
7991	Destination	Government	Destination	Government

Section F - Deliveries or Performance

DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	DODAAC / CAGE
1000	POP 05-JAN-2018 TO 29-MAR-2019	N/A	MISSILE DEFENSE AGENCY (MDA) (b)(6) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 (b)(6) FOB: Destination	HQ0796
100001	N/A	N/A	N/A	N/A
100002	N/A	N/A	N/A	N/A
100003	N/A	N/A	N/A	N/A
100004	N/A	N/A	N/A	N/A
100005	N/A	N/A	N/A	N/A
1040	29-MAR-2019	100	MISSILE DEFENSE AGENCY (MDA) (b)(6) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 (b)(6) FOB: Destination	HQ0796
104001	N/A	N/A	N/A	N/A
1060	29-MAR-2019	100	MISSILE DEFENSE AGENCY (MDA) (b)(6) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 (b)(6) FOB: Destination	HQ0796
106001	N/A	N/A	N/A	N/A

1500	POP 05-JAN-2018 TO 31-JAN-2019	N/A	MISSILE DEFENSE AGENCY (MDA) (b)(6) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 (b)(6) FOB: Destination	HQ0796
150001	N/A	N/A	N/A	N/A
1700	POP 05-JAN-2018 TO 04-JAN-2019	N/A	MISSILE DEFENSE AGENCY (MDA) (b)(6) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 (b)(6) FOB: Destination	HQ0796
170001	N/A	N/A	N/A	N/A
170002	N/A	N/A	N/A	N/A
1701	POP 01-SEP-2018 TO 29-MAR-2019	N/A	MISSILE DEFENSE AGENCY (MDA) (b)(6) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 (b)(6) FOB: Destination	HQ0796
170101	N/A	N/A	N/A	N/A
7990	29-MAR-2019	1	MISSILE DEFENSE AGENCY (MDA) (b)(6) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 (b)(6) FOB: Destination	HQ0796
7991	29-MAR-2019	30	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796

Section G - Contract Administration Data

ACCOUNTING AND APPROPRIATION DATA

AA: 044411 097 0400 000 N 20182019 D 2520 XK\_ST03P\_FY18 DT-X2-FY1819 71DT 255  
 AMOUNT: (b)(4)

AB: 044411 097 011 8242 000 N D JAOI JAIUAA\_001 Contracts 71MH 255  
 AMOUNT: (b)(4)

AC: AA 5783400 308 8003 131G30 010000 50640 28060F 678900 F78900  
 AMOUNT: (b)(4)

AD: AA 5783400 308 8003 131G30 010000 50640 28060F 678900 F78900 ESP: 3F  
 AMOUNT: (b)(4)

AE: 097180400 1212 4882 P8008 253C 9JDG97 012195 DJAM18A257  
 AMOUNT: (b)(4)

AF: 044411 097 0400 000 N 20172018 D 2520 XK\_ST03P\_FY17 DT-X1-FY1718 71DT 255  
 AMOUNT: (b)(4)

AG: 044411 097 0400 000 N 20192020 D 2500 XK\_ST03P\_FY19 DT-X2-FY1920 71DT 255  
 AMOUNT: (b)(4)

ACRN	CLIN/SLIN	CIN	AMOUNT
AA	100001	HQ01478613550001	(b)(4)
	104001	HQ01478613551040	
	106001	HQ01478613551060	
AB	150001	HQ01478623981500	
AC	170001	F3NF118011G0020001	
AD	170002	F3NF118011G0020002	
AE	100002	DJAM18A2570001	
AF	100003	HQ01478649730001	
	100004	HQ01478613550005	
AG	100005	HQ01479684160001	
	170101	HQ01479684160002	

CLAUSES INCORPORATED BY REFERENCE

52.232-22	Limitation Of Funds	APR 1984
252.211-7003	Item Unique Identification and Valuation	MAR 2016

CLAUSES INCORPORATED BY FULL TEXT

252.204-0003 LINE ITEM SPECIFIC: CONTRACTING OFFICER SPECIFIED ACRN ORDER. (SEP 2009)

The payment office shall make payment within the line item in the sequence ACRN order specified below, exhausting all funds in the previous ACRN before paying from the next ACRN.

Line Item	ACRN Order
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CLIN 1000	AF, AA, AE, AG
CLIN 1040	AA
CLIN 1060	AA
CLIN 1500	AB
CLIN 1700	AD
CLIN 1701	AG

(End of clause)

LIMITATION OF FUNDS  
LIMITATION OF FUNDS

Pursuant to the "Limitation of Funds" clause (FAR 52.232-22). The total sum presently available for payment by the Government and allotted each contract line item is:

CLIN 1000	(b)(4)
CLIN 1040	(b)(4)
CLIN 1060	(b)(4)
CLIN 1500	(b)(4)
CLIN 1700	(b)(4)
CLIN 1701	(b)(4)

Total (b)(4)

Based on the information available to the Government, this amount will cover costs associated with:

CLIN 1000: through 29 March 2019  
CLIN 1040: through 29 March 2019  
CLIN 1060: through 29 March 2019  
CLIN 1500: through 31 January 2019  
CLIN 1700: through 30 September 2018  
CLIN 1701: through 29 March 2019

The contractor shall invoice all CLINs in accordance with DFAR 252.204-0003, Line Item Specific: Contracting Officer Specified ACRN Order (SEP 2009).

PRICED PROSPECTIVE WORK PACKAG  
PRICED PROSPECTIVE WORK PACKAGE

Priced Prospective Work Packages (PPWPs) represent potential requirements included in this PWS that are priced and negotiated but not yet awarded. The PPWP may be awarded/executed in accordance with clause H-03, Task Orders at a later date with a bilateral modification to the task order if/when the requirement is ultimately needed and funded. The PPWPs negotiated to date are included in Attachment 2 to the Task Order. The below referenced PPWPs have been executed:

**10.3.1.5 CONUS TIM** (1 executed on CLIN 1000 via mod 03)

**10.3.1.6 PACOM TIM** (2 executed on CLIN 1000 via mod 03, 2 executed on CLIN 1000 via mod 11, 1 executed via mod 13)

**10.3.1.7 USEUCOM TIM** (1 executed on CLIN 1000 via mod 04)

**10.3.1.12 USPACOM BDOWG** (3 executed on CLIN 1000 via mod 13)

**10.3.1.13 USEUCOM MSEL** (1 executed on CLIN 1000 via mod 13)  
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**10.3.1.18 CONUS BIWG** (1 executed on CLIN 1000 via mod 07)  
**10.3.3.4 CONUS RRT** (3 executed on CLIN 1000 via mod 07, 17 executed on CLIN 1000 via mod 13, 1 executed on CLIN 1000 via mod 22, 2 executed on CLIN 1000 via mod 23)  
**10.3.3.5 PACOM RRT** (2 executed on CLIN 1000 via mod 08, 2 executed on CLIN 1000 via mod 13, 3 executed on CLIN 1000 via mod 16, 1 executed on CLIN 1000 via mod 18, 3 executed on CLIN 1000 via mod 23)  
**10.3.3.6 USEUCOM RRT** (1 executed on CLIN 1000 via mod 07, 5 executed on CLIN 1000 via mod 13, 8 executed on CLIN 1000 via mod 18)  
**10.3.3.7 USCENTCOM RRT** (1 executed on CLIN 1000 via mod 11)  
**10.3.3.9 Perform four (4) day USPACOM Site Survey** (2 executed on CLIN 1000 via mod 10)  
**10.3.3.13 Perform a five day USPACOM Element Integration Testing** (1 executed on CLIN 1000 via mod 23)  
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**10.3.3.15 USCENTCON Element Integration Test** (1 executed on CLIN 1000 via mod 18)  
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**10.4.1.10 USPACOM Planing Meeting** (1 executed on CLIN 1000 via mod 07)  
**10.4.1.11 USEUCOM Planning Meeting** (1 executed on CLIN 1000 via mod 13)  
**10.4.3.4 CONUS TTX** (3 executed on CLIN 1000 via mod 18)  
**10.4.3.5 USPACOM TTX** (1 executed on CLIN 1000 via mod 06)  
**10.4.3.8 CONUS RRT** (1 executed on CLIN 1000 via mod 04)  
**10.4.3.9 Senior Facilitator to attend and participate in a five day CONUS TTX** (3 executed on CLIN 1000 via mod 23, 1 executed on CLIN 1000 via mod 24)  
**10.4.3.11 Senior Facilitator USEUCOM** (1 executed on CLIN 1000 via mod 18)  
**10.5.1.3 Five (5) day USEUCOM IPC** (1 executed on CLIN 1000 via mod 10)  
**10.5.1.6 Attend and participate in the five day USPACOM MPC** (1 executed on CLIN 1000 via mod 17)  
**10.5.3.1 Perform EVT activities to develop M&S Suite** (1 executed on CLIN 1000 via mod 07) (1 executed on CLIN 1000 via Mod 17)  
**10.45 CONUS TTX#1 (NORTHCOM TTX #1: Break Glass TTX):** (1 executed on CLIN 1000 via mod 24)


#### BILLING INSTRUCTIONS

Payments for CLINs 1000, 1040, 1060, 1500, 1700, and 1701 will be made in accordance with FAR 52.216-7, Allowable Cost and Payment. Payments and the fee payable under the task order are subject to adjustments in accordance with FAR 52.216-10, Incentive Fee, and performance assessments conducted in accordance with the IRES Performance Evaluation and Incentive Plan (Attachment J-06).

In accordance with FAR 52.216-10(c)(1), the Contractor is authorized to bill fee by contract line item number (CLIN) not to exceed the following **(b)(4)** of target fee) x (cost billed against the CLIN to date, including this voucher). Overbilling of fee as a result of this change in the billing instructions shall not be refunded to the Government, unless the overbilling cannot be corrected any other way. Instead, fee shall not be billed until the contractor is no longer in an overbilling status. The Contractor shall show the fee calculation by line item on each voucher. All task order CPIF CLINs are combined and considered a single entity for the purpose of administering the cost and performance incentives identified in the IRES PEIP (Contract Attachment J-06).

WAWF email notifications. In accordance with 252.232-7006, the Contractor shall enter the following email addresses in the "Send Additional Email Notifications" field of WAWF once a document is submitted in the system:

CLIN 7990 (b)(6)  
CLIN 7991



Section J - List of Documents, Exhibits and Other Attachments

Exhibit/Attachment Table of Contents

DOCUMENT TYPE	DESCRIPTION	PAGES	DATE
Attachment 1	PWS Rev O	66	02-NOV-2018
Attachment 2	PPWP List	2	02-NOV-2018

**Missile Defense Agency**  
**Integrated Research & Development for Enterprise Solutions (IRES)**

**PERFORMANCE WORK STATEMENT**

**Contract Number:**

**HQ0796-17-D-0001**

**Task Order Title:**

**BMDS Exercises and Wargames**

**Task Order Number:**

**HQ0796-18-F-9400**

**Period of Performance:**

**5 January 2018 – 31 January 2019**

**Task Order Type:**

**CPIF and FFP (Task 10.57)**

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## Performance Work Statement Revision History

Rev	Mod	Date	Revision / Change Description
0		8 December 2018	Task Order Award PWS
A		23 January 2018	Update PWS Attachments4
B	05	5 February 2018	Added SOFA and Wartime Clauses, amended CDRLs
C	06	15 February 2018	Updated PWS Attachment B (Event Activities Matrix)
D	07	14 March 2018	Executed PPWP's 10.3.5.7, 10.3.3.6, 10.3.1.18, 10.3.3.4, 10.4.1.10, and 10.5.3.1
E	08	23 March 2018	Execute two instances of PPWP 10.3.3.5 and one instance of PPWP 10.3.5.8
F	10	12 April 2018	Execute one instance each of PPWP 10.3.1.15 and PPWP 10.5.1.3. Execute two instances of PPWP 10.3.3.9
G	11	17 April 2018	Execute two instances of PPWP 10.3.1.6 and one instance of PPWP 10.3.3.7. Incorporate Event Activity Matrix (Attachment B) Rev G
H	13	7 May 2018	Incorporate Event Activity Matrix (Attachment B) Rev H
H2	15	24 May 2018	Incorporate Event Activity Matrix (Attachment B) Rev H2
H3	16	07 June 2018	Incorporate revised Event Activity Matrix (Attachment B). Execute three instances of PPWP 10.3.3.5 Update CDRL language for CDRL attachments C005 and C006.
I	17	21 June 2018	Adding Strategic Projects Task. Execute one instance each of PPWP 10.5.3.1 and 10.5.1.6
J	18	1 August 2018	Incorporate Event Activities Matrix (Attachment B) Rev J2
K		29 August 2018	Extending CLIN 1700 to 4 Jan 2019 and move some of the Task 10.32 ETB 19-1 work into 1700 and reduce value of 1701
L	22	19 September 2018	Incorporate Event Activities Matrix (Attachment B) Rev L and execute PPWP 10.3.3.4
M	23	26 September 2018	Incorporate Event Activities Matrix (Attachment B) Rev M and execute PPWP's 10.3.1.15, 10.3.3.4, 10.3.3.5, 10.3.3.13, and 10.4.3.9
N	24	3 October 2018	Incorporate Event Activities Matrix Rev N. Activate Task 10.45 and re-name to Break Glass TTX. Activate PPWPs 10.4.1.9 and 10.4.3.9 under 10.45.

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Rev	Mod	Date	Revision / Change Description
O	26	2 November 2018	Incorporate Event Activities Matrix Rev O. Activate one instance of PPWP 10.4.1.9 under Task 10.52 to support EUCOM TTX #3.

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## **1.0 Purpose**

- Provide successful BMD Exercise and Wargame Support to United States (U.S.) Combatant Commands (CCMDs), Components, Sub-Unified Commands and Friends and Allies.
- Maximize BMDS operational realism and minimize negative warfighter training using advanced, high-fidelity Live, Virtual and Constructive (LVC) Modeling and Simulation (M&S) and Hardware-In-The-Loop (HWIL) architectures.
- Improve BMDS development and interoperability through exercises.
- Provide Cyber Security, Operations, Sustainment and Maintenance for the Wargames and Exercises Support Center (WESC).

## **2.0 Background**

MDA/DTW supports both research, development, testing, and evaluation (RDT&E) BMD Exercises and Combatant Commander (CCDR) BMD Exercises, as part of MDA's responsibility as the acquisition agency for the Ballistic Missile Defense System (BMDS) to comply with the doctrine, organization, training, materiel, leadership and education, personnel and facilities (DOTMLPF) development process. RDT&E BMD Exercises are required to analyze and answer BMDS developer questions posed by the MDA System Engineer, BMDS Operational Test Agency (OTA), BMDS Element Program Offices (PO), Warfighters and Friends and Allies in order to examine current and future capabilities matched against current and future threats. CCDR BMD Wargames and Exercises are required to facilitate the CCMD's integration, refinement, evaluation and acceptance of U.S. and Allied BMD deployed systems that influence Concepts of Operations (CONOPs), Tactics, Techniques and Procedures (TTPs), Command and Control (C2) relationships and assist in identifying operational and technical interoperability and integration issues early in the materiel development process.

## **3.0 Scope**

BMDS Exercises. Implement MDA's and MDA/DTW's goals and objectives by providing the following BMD Exercise activities: planning; engineering, integration, and test (EI&T); execution; and after action reporting for Tier 1 (Combatant Command level), Tier 2 (Sub-Unified Command level), Tier 3 (Component level) BMDS Exercises, and Tier 4 (Unit/Element level) BMDS Exercises.

BMDS Wargames. Perform the planning, designing, engineering, integrating, and execution of BMDS Wargames and Demonstrations that not only keep pace with the BMDS continual state of evolution, but allow the Warfighter to look to the future and assess the needs and desires of the Combatant Commanders, as they participate in MDA's fielding efforts through Wargames and

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Demonstrations (tabletops and experiments). Wargames examine future capabilities; facilitate the development and refinement of CONOPS, TTPs, and command and control (C2) relationships; and assist the developer and Warfighter in identifying issues early in the materiel development process.

#### 4.0 Service Summary Items

In accordance with the IRES Performance Evaluation and Incentive Plan, Service Summary Items (SSIs) 1 through 4 are common [required] on all task orders and will be assessed at the contract level (i.e., all task orders will receive the same rating).

SSIs 5 – 8 identified below will be assessed at the task order level.

SSI Definition	(b)(4)
Name	
Identifier	
Weight	
Definition	
Measurable Concept	
Baseline Measure	
Technical Performance Measures	
Notes	

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(b)(4)



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SSI Definition	
Name	(b)(4)
Identifier	
Weight	
Definition	
Measurable Concept	
Baseline Measure	
Technical Performance Measures	
Notes	

**Critical:** The justification for critical comments must identify violations of the law or contradictions of Executive Branch policy or of policy established in MDA Issuances.

**Substantive:** Substantive comments are made when wording or statements in the document appears to be or is potentially unnecessary, incorrect, misleading, confusing, or inconsistent with other wording or statements

**Administrative:** Comments that address minor items such as typographical, format, and/or grammatical errors.

(b)(4)

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SSI Definition	
Name	(b)(4)
Identifier	
Weight	
Definition	
Measurable Concept	
Baseline Measure	
Technical Performance Measures	
Notes	

SSI Definition	
Name	(b)(4)
Identifier	
Weight	
Definition	
Measurable Concept	
Baseline Measure	
Technical Performance Measures	
Notes	

## 5.0 Contract Data Requirements List (CDRL)

The point of delivery for all Contract Data Requirements List (CDRL) products, except as noted in Exhibit C, is the MDA E-CaRT system. The Contractor shall deliver all such products by saving and profiling them in E-CaRT, with the appropriate notification of delivery letter transmitted electronically to the Government's Data Management Office.

Task	CDRL	DID	Title	Description
10.1	C001	DI-MGMT-81861/T	HQ0796-18-F-9400: Integrated Program Management Report	Contains data for measuring cost and schedule performance. The IPMR is structured around seven formats that contain the content and relationships required for the electronic submissions.
10.1	C002	DI-MISC-80508B/T	HQ0796-18-F-9400: Task Order Status Report, [month ending]	Provides significant accomplishments, issues, concerns, lessons learned, and risks associated with the task order.
Reserved	C003			
10.2.3.2	C004	DI-MISC-80508B	HQ0796-18-F-9400: Operational Support Documents: Technology Refresh Plan	Takes into account the formally documented current state of the hardware necessary to execute business functions, deliver services, and maintain the logical relationships between customers, partners, and suppliers. Primarily, this superset will contain the system architecture, the storage architecture, and the network architecture across the enterprise. Report to include the

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Task	CDRL	DID	Title	Description
				identification of licensing, maintenance agreements, and renewal documentation of hardware and software assets.
10.3.4.1	C005	DI-MISC-80508B/T	HQ0796-18-F-9400: Final Event Test Plan	Provides an overview of the entire test phase, including test event objectives, incorporating lessons learned, and identifies any limitations in the event architecture that will limit the achievement of objectives.
10.3.4.2	C006	DI-MISC-80508B/T	HQ0796-18-F-9400: Event Cybersecurity Plan	Captures the authorization statuses of all event participant systems, whether those participants have system authorizations from MDA or from organizations outside of MDA (e.g., Army, Navy, Air Force, Defense Security Service (DSS)). The ECsP supports the MDA Authorizing Official (AO) decision to approve the Cybersecurity event architecture and grant an event Interim Authority to Test (IATT). To accurately develop an ECsP, the event architecture must be analyzed and evaluated in order to collect necessary information and artifacts as required by the AO.
10.3.5.2	C007	DI-MISC-80508B/T	HQ0796-18-F-9400: Final Event Report	Captures event architecture, lessons learned across the event life cycle, event objectives, event outcomes, event diagrams, and suggestions for follow on event.

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Task	CDRL	DID	Title	Description
10.4.3.4	C008	DI-MISC-80508B/T	HQ0796-18-F-9400: Table Top Exercise Executive Summary	Executive summary level capturing outcomes, decisions, lessons learned, and suggestions for capstone event.

## 5.1 CDRL Tailoring

The DD Form 1423 associated with each CDRL is attached in the following attachment.



Task Order 9400  
PWS\_Attachment\_C.

## 6.0 Milestones

PWS Paragraph(s)	Activity	Date / Days after Contract (DAC)
10.1.1.1	Integrated Baseline Review	120 DAC

## 7.0 Government Property

### 7.1 TBD

### 7.2 In addition, the government will provide the following.

- Government developed Modeling and Simulation tools

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## **8.0 Special Requirements**

In addition to the Special Requirements identified in IRES Contract SOO, paragraph 7.0, the following are applicable to this task order:

- This task order requires TS/SCI facilities access. This task order shall be executed in accordance with the MDA Security Classification Guidance up to the level of DoD TOP SECRET, including Special Access Required (SAR), and SECRET RELEASABLE in cases where specific Foreign Nations are allowed to participate.
- A permanent export license (DSP-5 and DSP-85) covering BMD-related task order activities is required to eliminate internal-to-MDA processing time of case-by-case, temporary International Traffic in Arms Regulation (ITAR) exemptions.

### **8.1 Invited Contractor or Technical Representative Status Republic of Korea (4 June 2007)**

Invited Contractor (IC) and Technical Representative (TR) status shall be governed by the U.S.-ROK Status of Forces Agreement (SOFA) as implemented by United States Forces Korea (USFK) Reg 700-19, which can be found under the “publications” tab on the US Forces Korea homepage <http://www.usfk.mil>

(a) Definitions. As used in this clause—

“U.S. – ROK Status of Forces Agreement” (SOFA) means the Mutual Defense Treaty between the Republic of Korea and the U.S. of America, Regarding Facilities and Areas and the Status of U.S. Armed Forces in the Republic of Korea, as amended

“Combatant Commander” means the commander of a unified or specified combatant command established in accordance with 10 U.S.C. 161. In Korea, the Combatant Commander is the Commander, United States Pacific Command.

“United States Forces Korea” (USFK) means the subordinate unified command through which US forces would be sent to the Combined Forces Command fighting components.

“Commander, United States Forces Korea” (COMUSK) means the commander of all U.S. forces present in Korea. In the Republic of Korea, COMUSK also serves as Commander, Combined Forces Command (CDR CFC) and Commander, United Nations Command (CDR UNC).

“USFK, Assistant Chief of Staff, Acquisition Management” (USFK/FKAQ) means the principal staff office to USFK for all acquisition matters and administrator of the U.S.-ROK

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SOFA as applied to US and Third Country contractors under the Invited Contractor (IC) and Technical Representative (TR) Program (USFK Reg 700-19).

“Responsible Officer (RO)” means a senior DOD employee (such as a military E5 and above or civilian GS-7 and above), appointed by the USFK Sponsoring Agency (SA), who is directly responsible for determining and administering appropriate logistics support for IC/TRs during contract performance in the ROK.

(b) IC or TR status under the SOFA is subject to the written approval of USFK, Assistant Chief of Staff, Acquisition Management (FKAQ), Unit #15237, APO AP 96205-5237.

(c) The contracting officer will coordinate with HQ USFK/FKAQ, IAW FAR 25.8, and USFK Reg 700-19. FKAQ will determine the appropriate contractor status under the SOFA and notify the contracting officer of that determination.

(d) Subject to the above determination, the contractor, including its employees and lawful dependents, may be accorded such privileges and exemptions under conditions and limitations as specified in the SOFA and USFK Reg 700-19. These privileges and exemptions may be furnished during the performance period of the contract, subject to their availability and continued SOFA status. Logistics support privileges are provided on an as-available basis to properly authorized individuals. Some logistics support may be issued as Government Furnished Property or transferred on a reimbursable basis.

(e) The contractor warrants and shall ensure that collectively, and individually, its officials and employees performing under this contract will not perform any contract, service, or other business activity in the ROK, except under U.S. Government contracts and that performance is IAW the SOFA.

(f) The contractor’s direct employment of any Korean-National labor for performance of this contract shall be governed by ROK labor law and USFK regulation(s) pertaining to the direct employment and personnel administration of Korean National personnel.

(g) The authorities of the ROK have the right to exercise jurisdiction over invited contractors and technical representatives, including contractor officials, employees and their dependents, for offenses committed in the ROK and punishable by the laws of the ROK. In recognition of the role of such persons in the defense of the ROK, they will be subject to the provisions of Article XXII, SOFA, related Agreed Minutes and Understandings. In those cases in which the authorities of the ROK decide not to exercise jurisdiction, they shall notify the U.S. military authorities as soon as possible. Upon such notification, the military authorities will have the right to exercise jurisdiction as is conferred by the laws of the U.S.

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(h) Invited contractors and technical representatives agree to cooperate fully with the USFK Sponsoring Agency (SA) and Responsible Officer (RO) on all matters pertaining to logistics support and theater training requirements. Contractors will provide the assigned SA prompt and accurate reports of changes in employee status as required by USFK Reg 700-19.

(i) Theater Specific Training. Training Requirements for IC/TR personnel shall be conducted in accordance with USFK Reg 350-2 Theater Specific Required Training for all Arriving Personnel and Units Assigned to, Rotating to, or in Temporary Duty Status to USFK. IC/TR personnel shall comply with requirements of USFK Reg 350-2.

(j) Except for contractor air crews flying Air Mobility Command missions, all U.S. contractors performing work on USAF classified contracts will report to the nearest Security Forces Information Security Section for the geographical area where the contract is to be performed to receive information concerning local security requirements.

(k) Invited Contractor and Technical Representative status may be withdrawn by USFK/FKAQ upon:

(1) Completion or termination of the contract.

(2) Determination that the contractor or its employees are engaged in business activities in the ROK other than those pertaining to U.S. armed forces.

(3) Determination that the contractor or its employees are engaged in practices in contravention to Korean law or USFK regulations.

(l) It is agreed that the withdrawal of invited contractor or technical representative status, or the withdrawal of, or failure to provide any of the privileges associated therewith by the U.S. and USFK, shall not constitute grounds for excusable delay by the contractor in the performance of the contract and will not justify or excuse the contractor defaulting in the performance of this contract. Furthermore, it is agreed that withdrawal of SOFA status for reasons outlined in USFK Reg 700-19, Section II, paragraph 6 shall not serve as a basis for the contractor filing any claims against the U.S. or USFK. Under no circumstance shall the withdrawal of SOFA Status or privileges be considered or construed as a breach of contract by the U.S. Government.

(m) Support.

(1) Unless the terms and conditions of this contract place the responsibility with another party, the COMUSK will develop a security plan to provide protection, through military

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means, of Contractor personnel engaged in the theater of operations when sufficient or legitimate civilian authority does not exist.

(2) (i) All Contractor personnel engaged in the theater of operations are authorized resuscitative care, stabilization, hospitalization at level III military treatment facilities, and assistance with patient movement in emergencies where loss of life, limb, or eyesight could occur. Hospitalization will be limited to stabilization and short-term medical treatment with an emphasis on return to duty or placement in the patient movement system.

(ii) When the Government provides medical or emergency dental treatment or transportation of Contractor personnel to a selected civilian facility, the Contractor shall ensure that the Government is reimbursed for any costs associated with such treatment or transportation.

(iii) Medical or dental care beyond this standard is not authorized unless specified elsewhere in this contract.

(3) Unless specified elsewhere in this contract, the Contractor is responsible for all other support required for its personnel engaged in the theater of operations under this contract.

(n) Compliance with laws and regulations. The Contractor shall comply with, and shall ensure that its personnel supporting U.S Armed Forces in the Republic of Korea as specified in paragraph (b)(1) of this clause are familiar with and comply with, all applicable—

(1) United States, host country, and third country national laws;

(2) Treaties and international agreements;

(3) United States regulations, directives, instructions, policies, and procedures; and

(4) Orders, directives, and instructions issued by the COMUSK relating to force protection, security, health, safety, or relations and interaction with local nationals. Included in this list are force protection advisories, health advisories, area (i.e. “off-limits”), prostitution and human trafficking and curfew restrictions.

(o) Vehicle or equipment licenses. IAW USFK Regulation 190-1, Contractor personnel shall possess the required licenses to operate all vehicles or equipment necessary to perform the contract in the theater of operations. All contractor employees/dependents must have either a Korean driver’s license or a valid international driver’s license to legally drive on Korean roads, and must have a USFK driver’s license to legally drive on USFK installations.

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Contractor employees/dependents will first obtain a Korean driver's license or a valid international driver's license then obtain a USFK driver's license.

(p) Evacuation.

(1) If the COMUSK orders a non-mandatory or mandatory evacuation of some or all personnel, the Government will provide assistance, to the extent available, to United States and third country national contractor personnel.

(2) Non-combatant Evacuation Operations (NEO).

(i) The contractor shall designate a representative to provide contractor personnel and dependents information to the servicing NEO warden as required by direction of the Responsible Officer.

(ii) If contract period of performance in the Republic of Korea is greater than six months, non-emergency essential contractor personnel and all IC/TR dependents shall participate in at least one USFK sponsored NEO exercise per year.

(q) Next of kin notification and personnel recovery.

(1) The Contractor shall be responsible for notification of the employee-designated next of kin in the event an employee dies, requires evacuation due to an injury, or is missing, captured, or abducted.

(2) In the case of missing, captured, or abducted contractor personnel, the Government will assist in personnel recovery actions in accordance with DOD Directive 2310.2, Personnel Recovery.

(3) IC/TR personnel shall accomplish Personnel Recovery/Survival, Evasion, Resistance and Escape (PR/SERE) training in accordance with USFK Reg 525-40, Personnel Recovery Procedures and USFK Reg 350-2 Theater Specific Required Training for all Arriving Personnel and Units Assigned to, Rotating to, or in Temporary Duty Status to USFK.

(r) Mortuary affairs. Mortuary affairs for contractor personnel who die while providing support in the theater of operations to U.S. Armed Forces will be handled in accordance with DOD Directive 1300.22, Mortuary Affairs Policy and Army Regulation 638-2, Care and Disposition of Remains and Disposition of Personal Effects.

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(s) USFK Responsible Officer (RO). The USFK appointed RO will ensure all IC/TR personnel complete all applicable training as outlined in this clause.

## **8.2 United States Forces Korea (USFK) Wartime Clause**

(The following USFK Wartime Clause applies ONLY when traveling within the jurisdiction of the USFK. When performing overseas for efforts in other jurisdictions, the MDA Wartime Clause applies.)

### **CONTINUANCE OF PERFORMANCE DURING ANY STATE OF EMERGENCY**

#### **IN THE REPUBLIC OF KOREA (ROK)**

Invited Contractor (IC) and Technical Representative (TR) status shall be governed by the U.S.-ROK Status of Forces Agreement (SOFA) as implemented by United States Forces Korea (USFK) Reg 700-19, which can be found under the “publications” tab on the US Forces Korea homepage <http://www.usfk.mil>

(a) Definitions. As used in this clause—

“U.S. – ROK Status of Forces Agreement” (SOFA) means the Mutual Defense Treaty between the Republic of Korea and the U.S. of America, Regarding Facilities and Areas and the Status of U.S. Armed Forces in the Republic of Korea, as amended

“Combatant Commander” means the commander of a unified or specified combatant command established in accordance with 10 U.S.C. 161. In Korea, the Combatant Commander is the Commander, United States Pacific Command.

“United States Forces Korea” (USFK) means the subordinate unified command through which US forces would be sent to the Combined Forces Command fighting components.

COMUSK means the commander of all U.S. forces present in Korea. In the Republic of Korea, COMUSK also serves as Commander, Combined Forces Command (CDR CFC) and Commander, United Nations Command (CDR UNC).

“USFK, Assistant Chief of Staff, Acquisition Management” (USFK/FKAQ) means the principal staff office to USFK for all acquisition matters and administrator of the U.S.-ROK SOFA as applied to US and Third Country contractors under the Invited Contractor (IC) and Technical Representative (TR) Program (USFK Reg 700-19).

“Responsible Officer” (RO) means A senior DOD employee (such as a military E5 and above or civilian GS-7 and above), appointed by the USFK Sponsoring Agency (SA), who is

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directly responsible for determining and administering appropriate logistics support for IC/TRs during contract performance in the ROK.

“Theater of operations” means an area defined by the combatant commander for the conduct or support of specified operations.

“Uniform Code of Military Justice” means 10 U.S.C. Chapter 47

(b) General.

(1) This clause applies when contractor personnel deploy with or otherwise provide support in the theater of operations (specifically, the Korean Theater of Operations) to U.S. military forces deployed/located outside the United States in—

(i) Contingency operations;

(ii) Humanitarian or peacekeeping operations; or

(iii) Other military operations or exercises designated by the Combatant Commander.

(2) Contract performance in support of U.S. military forces may require work in dangerous or austere conditions. The Contractor accepts the risks associated with required contract performance in such operations. ☐ The contractor will require all its employees to acknowledge in writing that they understand the danger, stress, physical hardships and field living conditions that are possible if the employee deploys in support of military operations.

(3) Contractor personnel are not combatants and shall not undertake any role that would jeopardize their status. Contractor personnel shall not use force or otherwise directly participate in acts likely to cause actual harm to enemy armed forces.

(c) Support.

(1) Unless the terms and conditions of this contract place the responsibility with another party, the COMUSK will develop a security plan to provide protection, through military means, of Contractor personnel engaged in the theater of operations when sufficient or legitimate civilian authority does not exist.

(2) (i) All Contractor personnel engaged in the theater of operations are authorized resuscitative care, stabilization, hospitalization at level III military treatment facilities, and assistance with patient movement in emergencies where loss of life, limb, or eyesight

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could occur. Hospitalization will be limited to stabilization and short-term medical treatment with an emphasis on return to duty or placement in the patient movement system.

(ii) When the Government provides medical treatment or transportation of Contractor personnel to a selected civilian facility, the Contractor shall ensure that the Government is reimbursed for any costs associated with such treatment or transportation.

(iii) Medical or dental care beyond this standard is not authorized unless specified elsewhere in this contract.

(3) Unless specified elsewhere in this contract, the Contractor is responsible for all other support required for its personnel engaged in the theater of operations under this contract.

(d) Compliance with laws and regulations. The Contractor shall comply with, and shall ensure that its personnel supporting U.S Armed Forces in the Republic of Korea as specified in paragraph (b)(1) of this clause are familiar with and comply with, all applicable—

(1) United States, host country, and third country national laws;

(i) The Military Extraterritorial Jurisdiction Act may apply to contractor personnel if contractor personnel commit crimes outside the United States.

(ii) Under the War Crimes Act, United States citizens (including contractor personnel) who commit war crimes may be subject to federal criminal jurisdiction.

(iii) When Congress formally declares war, contractor personnel authorized to accompany the force may be subject to the Uniform Code of Military Justice.

(2) Treaties and international agreements;

(3) United States regulations, directives, instructions, policies, and procedures; and

(4) Orders, directives, and instructions issued by the COMUSK relating to force protection, security, health, safety, or relations and interaction with local nationals. Included in this list are force protection advisories, health advisories, area (i.e. “off-limits”), prostitution and human trafficking and curfew restrictions.

(e) Pre-deployment/departure requirements. The Contractor shall ensure that the following requirements are met prior to deploying/locating personnel in support of U.S. military forces

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in the Republic of Korea. Specific requirements for each category may be specified in the statement of work or elsewhere in the contract.

- (1) All required security and background checks are complete and acceptable.
- (2) All contractor personnel meet the minimum medical screening requirements and have received all required immunizations as specified in the contract. In the Republic of Korea, all contractor employees subject to this clause shall comply with the same DoD immunization requirements applicable to Emergency Essential DoD civilians—

INCLUDING ANTHRAX IMMUNIZATION. The Government will provide, at no cost to the Contractor, any Korean theater-specific immunizations and/or medications not available to the general public.

- (3) Contractor personnel have all necessary passports, visas, and other documents required to enter and exit a theater of operations and have a Geneva Conventions identification card from the deployment center or CONUS personnel office—if, applicable.
- (4) Country and theater clearance is obtained for contractor personnel. Clearance requirements are in DOD Directive 4500.54, Official Temporary Duty Abroad, DOD 4500.54-G, DOD Foreign Clearance Guide, and USFK Reg 1-40, United States Forces Korea Travel Clearance Guide. Contractor personnel are considered non-DOD personnel traveling under DOD sponsorship.

(f) Processing and departure points. Deployed contractor personnel shall—

- (1) Under contingency conditions or under other conditions as specified by the Contracting Officer, process through the deployment center designated in the contract, prior to deploying. The deployment center will conduct deployment processing to ensure visibility and accountability of contractor personnel and to ensure that all deployment requirements are met;
- (2) Use the point of departure and transportation mode directed by the Contracting Officer; and
- (3) If processing through a deployment center, process through a Joint Reception Center (JRC) upon arrival at the deployed location. The JRC will validate personnel accountability, ensure that specific theater of operations entrance requirements are met, and brief contractor personnel on theater-specific policies and procedures.

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(g) Personnel data list.

(1) The Contractor shall establish and maintain with the designated Government official a current list of all contractor personnel that deploy with or otherwise provide support in the theater of operations to U.S. military forces as specified in paragraph (b)(1) of this clause. The Synchronized Pre-deployment and Operational Tracker (SPOT) is the designated automated system to use for this effort. This accountability requirement is separate and distinct from the personnel accountability requirement listed in the U.S.–ROK SOFA's Invited Contractor/Technical Representative Program (as promulgated in USFK Regulation 700-19).

(2) The Contractor shall ensure that all employees on the list have a current DD Form 93, Record of Emergency Data Card, on file with both the Contractor and the designated Government official.

(h) Contractor personnel.

(1) The Contracting Officer may direct the Contractor, at its own expense, to remove and replace any contractor personnel who jeopardize or interfere with mission accomplishment or who fail to comply with or violate applicable requirements of this clause. Contractors shall replace designated personnel within 72 hours, or at the Contracting Officer's direction. Such action may be taken at the Government's discretion without prejudice to its rights under any other provision of this contract, including the Termination for Default clause.

(2) The Contractor shall have a plan on file showing how the Contractor would replace employees who are unavailable for deployment or who need to be replaced during deployment. The Contractor shall keep this plan current and shall provide a copy to the Contracting Officer and USFK Sponsoring Agency (see USFK Reg 700-19) upon request. The plan shall—

- (i) Identify all personnel who are subject to U.S. or Republic of Korea military mobilization;
- (ii) Identify any exemptions thereto;
- (iii) Detail how the position would be filled if the individual were mobilized; and
- (iv) Identify all personnel who occupy a position that the Contracting Officer has designated as mission essential.

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(i) Military clothing and protective equipment.

(1) Contractor personnel supporting a force deployed outside the United States as specified in paragraph (b)(1) of this clause are prohibited from wearing military clothing unless specifically authorized in writing by the COMUSK. If authorized to wear military clothing, contractor personnel must wear distinctive patches, arm bands, nametags, or headgear, in order to be distinguishable from military personnel, consistent with force protection measures and the Geneva Conventions.

(2) Contractor personnel may wear military-unique organizational clothing and individual equipment (OCIE) required for safety and security, such as ballistic, nuclear, biological, or chemical protective clothing.

(3) The deployment center, the Combatant Commander, or the Sponsoring Agency shall issue OCIE and shall provide training, if necessary, to ensure the safety and security of contractor personnel.

(4) The Contractor shall ensure that all issued OCIE is returned to the point of issue, unless otherwise directed by the Contracting Officer.

(j) Weapons.

(1) If the Contractor requests that its personnel performing in the theater of operations be authorized to carry weapons, the request shall be made through the Contracting Officer to the COMUSK. The COMUSK will determine whether to authorize in-theater contractor personnel to carry weapons and what weapons will be allowed.

(2) The Contractor shall ensure that its personnel who are authorized to carry weapons—

(i) Are adequately trained;

(ii) Are not barred from possession of a firearm by 18 U.S.C. 922; and

(iii) Adhere to all guidance and orders issued by the COMUSK regarding possession, use, safety, and accountability of weapons and ammunition.

(iv) The use of deadly force by persons subject to this clause shall be made only in self-defense, except:

(v) Persons subject to this clause who primarily provide private security are authorized to use deadly force only as defined in the terms and conditions of this

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contract in accordance with USFK regulations and policies (especially, USFK Regulation 190-50).

(vi) Liability for the use of any weapon by persons subject to this clause is solely the responsibility of the individual person and the contractor.

(3) Upon redeployment or revocation by the COMUSK of the Contractor's authorization to issue firearms, the Contractor shall ensure that all Government-issued weapons and unexpended ammunition are returned as directed by the Contracting Officer.

(k) Evacuation.

(1) In the event of a non-mandatory evacuation order, unless authorized in writing by the Contracting Officer, the Contractor shall maintain personnel on location sufficient to meet obligations under this contract.

(l) Theater Specific Training. Training Requirements for IC/TR personnel shall be conducted in accordance with USFK Reg 350-2 Theater Specific Required Training for all Arriving Personnel and Units Assigned to, Rotating to, or in Temporary Duty Status to USFK.

(m) USFK Responsible Officer (RO). The USFK appointed RO will ensure all IC/TR personnel complete all applicable training as outlined in this clause.

(n) Changes. In addition to the changes otherwise authorized by the Changes clause of this contract, the Contracting Officer may, at any time, by written order identified as a change order, make changes in Government-furnished facilities, equipment, material, services, or site. Any change order issued in accordance with this paragraph shall be subject to the provisions of the Changes clause of this contract.

(o) Subcontracts. The Contractor shall incorporate the substance of this clause, including this paragraph, in all subcontracts that require subcontractor personnel to be available to deploy with or otherwise provide support in the theater of operations to U.S. military forces deployed/stationed outside the United States in—

(1) Contingency operations;

(2) Humanitarian or peacekeeping operations; or

(3) Other military operations or exercises designated by the Combatant Commander.

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(p) The Contracting Officer will discern any additional GFE, GFP or logistical support necessary to facilitate the performance of the enhanced requirement or necessary for the protection of contractor personnel. These items will be furnished to the Contractor at the sole discretion of the Contracting Officer and may be provided only on a reimbursable basis.

## **9.0 Applicable Documents**

In addition to the directives and regulations identified in the IRES Contract SOO, paragraph 8.0, the following are applicable to this task order:

<b>Title</b>	<b>Originator</b>	<b>Date</b>
Integrated Master Test Plan v18.1	MDA/DT	24 Mar 2017
DTW Event Activities Matrix (see attachment B)	MDA/DTW X	02 November 2018
BMDS Exercises and Wargames Concept of Operations	MDA/DX	9 May 2016
MDA Test Policy	MDA/D	15 Jan 2015
Travel Policy (see attachment A)	JTR/MDA	1 Jan 2018
MST (see attachment D)	MDA	7 February 2018

## **Statement of Objectives and Outcomes**

### **10.1 Task Order Administration**

This portion of this PWS contains structure, objectives and outcomes with respect to the administration of the **Task Order**. This PWS element represents the work required to administer the Task Order and the Enterprise Support of the Task Order's work and resources. For this Task Order, work is estimated at this level in the PWS (10.1, 10.2, 10.3, etc.).

#### **10.1.1 Task Order Management**

This PWS element represents the work specifically required to support the management of requirements of the overall Task order, which includes all reporting, briefings, awards, modifications, SSIs, etc.

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#### 10.1.1.1 Stakeholder Technical Integration Management (STIM) and Systems Engineering and Integration (SEI) Management

Objective #1: The contractor shall provide the resources and information to communicate and manage task order performance.

Outcomes:

- Provide a single POC responsible for managing the cost, schedule, risk, and technical performance of the TO.
- Provide a single POC to serve as a liaison to the COTR or Assistant COTR (ACOTR) who is responsible for providing insight on TO performance.
- TO activities are managed in accordance with the IRES Program Management Plan (CDRL TO8002 C008).
- All TO requirements are identified, managed, validated, and verified in accordance with the contractor's IRES Systems Engineering Master Plan.

Objective #2: The contractor shall provide task order reporting to accurately monitor status in accordance with CDRL and Milestone requirements.

Outcomes:

- IPMR and TO status report for the TO are delivered per CDRL requirements.
- An Integrated Baseline Review of the TO is performed within 90 days of TO award.
- TO status (e.g., technical, cost, schedule) is reported to the COTR on a monthly basis in accordance with CDRL requirements.
- TO status includes cost and schedule performance by WBS and IRES organization structure; significant accomplishments; customer concerns or issues; TO risks and mitigation status; performance against the IRES contract, SE&PI, and TO SSIs; Earned Value Management (EVM) reports; achievements relative to the utilization goals in the contractor's Small Business Participation and Commitment Plan; quality assurance reviews, audit results, and non-conformance finding closure reports; safety information.
- TO performance trends are identified, tracked and shared with the COTR, ACOTR, and applicable government stakeholders.

Milestone: Integrated Baseline Review

- CDRL C001: Integrated Program Management Report
- CDRL C002: Task Order Status Report

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#### 10.1.1.2 Responsible Organization Management

Objective #1: The contractor shall provide qualified personnel and manage personnel issues to perform TO activities.

Outcomes:

- The workforce is managed efficiently, mitigating workforce surge and drawdown impacts, analyzing workforce trends, and forecasting workforce needs IRES-wide.
- A trained and qualified workforce is maintained that is able to perform the functions necessary to operate, support, and sustain MDIOC facilities and systems.

Objective #2: The contractor shall maintain accountability of all property under its control and provide reporting to ensure government situational awareness of property status.

Outcomes:

- The contractor shall submit a Material Inspection and Receiving Report as required by DFARS 252.246-7000 for the delivery of all CAP classified as Equipment, Special Test Equipment, and Special Tooling by using the Invoicing, Receipt, Acceptance, and Property Transfer (iRAPT) application in the Wide Area Workflow (WAWF) e-Business Suite in accordance with the instructions provided in the CLIN 7990.

#### 10.1.1.3 Administrative Support

Objective #1: The contractor shall provide resources to manage the contractual requirements, and provide financial oversight and performance tracking for the task order.

Outcomes:

- Task Order financial management activities ensure that task order reporting, including EVM reporting, accurately reflect the current state of TO financial performance and status.
- TO contractual deliverables are provided within the agreed to schedule, in the correct formats and to a high level of quality.

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### **10.1.2 Objective: Enterprise Task Order Support**

This PWS element represents the work of enterprise support to the Task Order's work and resources.

#### **10.1.2.1 Enterprise Management**

Objective #1: The contractor shall provide the resources and data to enable enterprise management of this task order for human resources, business/finance, and JEMS in support of integration.

Outcomes:

- IPMR and TO status report for the TO are delivered per CDRL requirements.
- TO status (e.g., technical, cost, schedule) is reported to the COTR on a monthly basis in accordance with CDRL requirements.
- MDA customers and stakeholders have on-demand access to a TO status report dashboard.
- TO export control requirements are managed to comply with DoD and MDA requirements, including International Traffic in Arms Regulations (ITAR) (22 CFR 120-130) and Technical Assistance Agreements processes as required.
- Any individuals requiring access to Government information technology systems have completed Information Assurance Awareness training.
- Personnel performing information assurance functions on national security systems meet the Committee on National Security Systems training requirements.

#### **10.1.2.2 Mission and Performance Assurance**

Objective #1: The contractor shall perform System Engineering functions to ensure the products and services provided under this TO utilize established Systems Engineering practices that are standardized across the IRES contract in support of the MDA mission.

Outcomes:

- Deliver an Integrated Master Schedule (IMS), in accordance with Integrated Program Management Report (IPMR) requirements, using the contractor's JEMS Portal.
- The TO IMS is integrated into the contractor's IRES Integrated Schedule (IIS).
- Systems Integration requirements and capabilities gaps, lessons learned, and a common MDIOC system vision are integrated enterprise-wide.
- Critical assets are managed, to include conflict forecasting and de-confliction, across the IRES enterprise.

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Objective #2: The contractor shall track, manage and report on TO performance measures, including metrics, lessons learned and accomplishments.

Outcomes:

- Based on TO performance trends, periodic audits of task estimates are performed, TO risks are tracked, and schedule accuracy is evaluated.
- All TO CDRLs are delivered on time and with accurate information.
- Customer satisfaction with the services and products delivered in this TO is solicited and tracked.
- TO performance is continuously evaluated and improved using objective performance measures.
- TO lessons learned, best practices, and accomplishments are collected and shared with the COTR, ACOTR, other government stakeholders, and IRES workforce.

Objective #3: The contractor shall incorporate Mission Assurance activities into all TO tasks in support of the MDA mission.

Outcomes:

- TO asset configurations are managed in accordance with the IRES Configuration Management Plan (CDRL TO8002 C022).
- TO risks are managed in accordance with the IRES Risk Management Plan (CDRL TO8002 C021).
- The quality of TO activities is assured in accordance with the Quality Assurance Program Plan (CDRL TO8002 C020).
- TO supplies are purchased in accordance with the IRES Supply Chain Risk Management Plan, including the development of a supply chain map and authorized suppliers list for critical systems.

Objective #4: The contractor shall provide information security, physical security, export control and cybersecurity training and processes in accordance with federal, DoD and agency requirements to safeguard the conduct of the MDA mission through the IRES contract.

Outcomes:

- MDA-identified Critical Program Information (CPI) and Critical Technologies (CT) are protected to the standards required in DoDI 5200.39
- TO cybersecurity risks are managed in accordance with the Cybersecurity Risk Management Plan (CDRL TO8002 C016).
- All Controlled Unclassified Information is protected from unauthorized access, disclosure, incident, or compromise.

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- All contractor-managed TO systems maintain System Authorization in accordance with DoDI 8510.01, Risk Management Framework.
- Cybersecurity requirements and considerations are integrated into TO systems engineering, design, and risk management processes.
- All contractor-managed TO systems are operated in accordance with cybersecurity requirements.
- Security administration is provided to comply with applicable DoD, MDA, and local security directives, policies, procedures, and instructions for physical security and for the safeguarding of BMDS controlled and classified information, to include proper document marking, classification, storage, accountability, transmittal, and destruction.
- Personnel requiring privileged access maintain appropriate computing environment certifications for the operating system(s) and/or security related tools/devices they support or operate.

Objective #4: The contractor shall promote and enforce safe and sustainable work practices to prevent personnel injury, damage to property or harm to the environment.

Outcomes:

- TO activities are performed in accordance with the Mishap Prevention and Safety Plan (CDRL TO8002 C024) to prevent personnel injury and property damage.
- TO activities are performed in accordance with the Environmental Program Plan (CDRL TO8002 C023) to prevent harm to the environment and maximize sustainable practices.

#### 10.1.2.3 Functional Management and Administrative Support

Objective #1: The contractor shall provide a functional management oversight structure to lead, manage and assign resources within their organization.

Outcomes:

- The Event and Warfighter Support (EWS) Director leads and manages the department to meet IRES and its applicable task orders' requirements.
- The EWS Director delivers IRES products and services which includes the correct people, processes, and tools to meet mission requirements.
- The EWS Directors tactically allocates and strategically forecasts resources within EWS and its applicable task orders to ensure the sustainment, renewal, and growth of the technical expertise within the department that meets current and future requirements.
- The EWS Director mentors and oversees the execution of event engineering, asset operations and sustainment, systems integration, and analysis to ensure the technical success of each task order within the department.

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Objective #2: The contractor shall provide functional administrative and management support as required to communicate and deliver enterprise integration.

Outcomes:

- The EWS Department provides training, certifications, and career growth of each employee within the department.
- The EWS Department develops, standardizes, and deploys processes for event engineering, asset operations and sustainment, systems integration, and analysis.

### **10.1.3 Objective: Task Order Award and Modification**

Objective #1: The contractor shall provide the resources and data to provide timely and accurate proposals to government requirements for proposal and other contract modification actions.

## **10.2 BMDS Wargames and Exercises Resources Sustainment**

### **10.2.1 Objective: Scheduling**

The contractor shall facilitate the reporting and scheduling of facility maintenance, inspection, and cleaning requirements that are performed under other IRES task orders.

**Outcomes**

10.2.1.1 Coordinate, facilitate, and provide access to the BMDS War Games and Exercises Facility for personnel not permanently authorized within the Facility, for facility inspections, cleaning crews, VIP visits, project-related visits and inventory activities.

10.2.1.2 Coordinate across other IRES task orders and with vendors and other government customers to identify and mitigate/de-conflict work that occurs in the BMDS Wargames and Exercises Facility mission space boundaries that is not defined within the scope of this task order.

10.2.1.3 Plan and coordinate freeze waivers through the MDIOC's Work Screening Team.

### **10.2.2 Objective: Security Management**

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The contractor shall perform security management functions to ensure compliance with MDIOC, MDA and DoD standards.

## **Outcomes**

10.2.2.1        Manage access control to controlled areas within the Wargames and Exercise Area.

10.2.2.2        Manage and process incoming and outgoing Visit Authorization Requests.

10.2.2.3        Maintain and manage open storage certification requirements. Provide guidance to occupants on the Security Classification requirements. Receive, generate and reproduce classified material up to the SECRET classification.

10.2.2.4        Perform duties as the Assistant Security Manager as defined in the Standard Operating Procedure (SOP). Coordinate for the Security Manager with Missile Defense Agency Security Department (MDA/EIR) Security Personnel of all physical and information security issues and tasks. Develop and maintain SOP documentation in accordance with the standard MDA/EIR procedures.

10.2.2.5        Perform Communications Security management duties in accordance with MDA and DoD Directives.

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## **10.2.3        Objective: Mission Operations and Capability Sustainment**

The contractor shall provide services necessary for the sustainment of mission systems and capabilities. Sustainment activities include network administration/management, proactive/corrective maintenance, hardware and software refresh, government approved refresh plan, break/fix service restoration, system check-out, Install-Move-Add-Change (IMAC) services (scheduling and installation of hardware and software and associated changes to configuration, de-installation, relocation, and testing), and engineering services for the following Wargames and Exercise assets:

- Exercises & Wargames Computing systems (ADPE) hardware and software
- Ballistic Missile Defense Modeling & Simulation Enclave (BME) Systems
- Allied Integration Enclave (AIE), which includes Cross Domain Solutions (CDS) and associated low-side networks
- Exercises & Wargames A/V distribution,
- Event based and specialty networks

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The Contractor shall maximize efficiencies and leverage applicable infrastructure, capabilities and services across DT.

## **Outcomes**

10.2.3.1 Maintain and refresh hardware, software and current capabilities in accordance with industry best maintenance practices ensuring an appropriate mix between proactive and corrective maintenance, repair, and replacement to maintain availability of systems, equipment and networks. Document and execute maintenance plans, schedules, and performance expectations. Utilize system performance and maintenance trending analysis to manage the maintenance program.

10.2.3.2 Implement an integrated approach to operate and manage assets that provides for the continuous identification, selection, control, life-cycle management, and evaluation of the assets in a structured process resulting in a systematic method maximizing the return of assets.

- CDRL C004: Operational Support Documentation: Technology Refresh Plan

10.2.3.3 Mission Critical Break/Fix Response. Degradations/failures of mission critical functions required to maintain mission availability during distributed testing and test execution responded to within 90 minutes of notification. Repair activities communicated, initiated, conducted, and completed with minimal impact to missions. A summary of degradations/failures, to include the incident response times and root-cause analysis shall be annotated in the monthly Task Order Status Review (CDRL C002).

10.2.3.4 Non-Mission Critical Functionality Response. During core hours, respond to routine degradations/failures responded within 24 hours. Demonstrate minimal impact to mission while repair activities are initiated, conducted, and completed. A summary of degradations/failures, to include the response times and a root-cause analysis shall be annotated in the monthly Task Order Status Review (CDRL C002).

10.2.3.5 Manage and maintain currency on all licensing and update services for all software and hardware. Track life cycle information in relation to “Vendor End-of-life/serviceability” and MDA Network Owner “End-of-Net worthiness and support.” Report any lapse in hardware service agreements or software licenses in the monthly Task Order Status Review (CDRL C002).

10.2.3.6 Maintain protection from intrusion and exploitation of Information systems as required by MDA and DoD standards.

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10.2.3.7 Achieve reductions in life-cycle costs of equipment through the use of alternatives in system configurations through the utilization of current technology components, adoption of common equipment to multiple requirements, or the application or the implementation of new approaches to system development and support. Provide a bi-annual update in the Task Order Status Review (CDRL C002).

10.2.3.8 Provide expertise, Situational Awareness, and facilitation of the following: DIACAP or RMF status of existing and to-be-added network connections in support of events.

10.2.3.9 Ensure existing assets are accredited in accordance with MDA standards, assist in tracking of user cybersecurity training/certification requirements (DOD 8570.01-M, DOD 8500.1, DOD Instruction 8500.2, DOD Instruction 8510.01) for access to DoD networks, provide cybersecurity advanced scanning of BMDS assets to prevent roadblocks to system accreditations, and provide support for cybersecurity CVT performed by designated Government IV&V team.

10.2.3.10 Comply with MDA network administration enterprise architectures and enforce common standards, policies and management processes enabling proactive defense of networks and data

10.2.3.11 Design and manage network architectures and provide network administration services.

- Align with DoD's Strategy for Implementing the Joint Information Environment.
- Improve upon the MDA's established Single Security Architecture which collapses network security boundaries and reduces the Agency's external attack surface.
- Enables improved containment and reaction to cyber-attack, and standardized management, operational and technical security controls of the network supporting Administrative and General Systems as well as supporting RDT&E connectivity requirements.

## **PPWP**

10.2.3.12 Technical Refresh x10. Upgrade and refresh hardware, software and current capabilities above the established baseline.

## **10.3 Generic BMDS Exercise**

BMDS Exercises will be executed in accordance with the Exercise specific Joint Event Life Cycle (JELC) and detailed in the MDA/DT IMTP.

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**Design Phase.** Event design includes capturing warfighter Missile Defense goals and objectives and ensure prior outcomes and lessons learned are incorporated into this event. Event design also includes preparing documentation and proper inclusion for foreign participation. Event planning and participation occurs at the following conferences:

- **Concept Development Conference (CDC):** The first Joint Event Life Cycle (JELC) event for the entire team to discuss the objectives, desired outcomes, anticipated participants and anticipated schedule.
- **Initial Planning Conference (IPC):** An early JELC event that refines and clarifies discussions since the CDC, but many of the same topics may be discussed as some events do not have a CDC and only an IPC.
- **Main Planning Conference (MPC):** A technical focused JELC event where most decisions need to be made in order to have a successful event. The event architecture, objectives, participants, M&S tools, scenario refinement are examples of activities that will be finalized at this meeting.
- **Final Planning Conference (FPC):** The last JELC event where stakeholders and participants discuss any concerns or issues before the event execution.

Some events may require additional participation at the following activities.

- **Scenario Development Conference (SDC).** This meeting focuses on developing the shot plan, blue force and red force laydown as the event progresses.
- **Operational User Groups (OUGs).** The objectives and topics of this meeting are sent out to the respective leads in a calling message and agenda. The topics range from BMD Operational to Event Updates.
- **Master Scenario Event List (MSEL) Conference.** This meeting focuses on developing the shot plan and other scenario events as the event progresses.
- **Technical Interchange Meeting (TIM).** Meeting with stakeholders to discuss various technical issues identified in the calling message that can range from M&S capability and limitations, event networks, etc.
- **Architecture Working Group (AWG).** Meeting to discuss event architecture issues, concerns and questions; as well as to help define the participants and participant locations
- **Bi-Lateral Working Group (BIWG).** Meeting to discuss various topics that are identified in the calling message and the meeting may not focus on the event at hand, but other testing efforts with Host Nation.
- **BMDS Defense Operation Working Group (BDOWG).** This working group focuses on furthering tactical integration combining existing JSDF and US defenses.

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- Combined Exercise Planning Staff (CEPS). BMD/Event Leads meeting that focuses on outcomes and issues coming from the formal JELC as well as discussing potential solutions.

**Test Phase.** Event test activities include communication, coordination, engineering, integrating, and testing architectures, simulations, models, HWIL and Operator in the Loop (OITL) interfaces, and simulated and tactical communications and data collection efforts, to ensure event can achieve its goals and objectives. The test phase is broken into the following test events:

- Event Verification Test (EVT). The purpose of EVT is to test the product-to-environment integrity to establish a general readiness of the system under test. In general, the EVT will verify that M&S tools delivered are able to meet the objectives of the exercise.
- Event Functional Test (EFT). The purpose of EFT is to verify the engineering design-to-implementation of the event concept. In general, the EFT will ensure that the M&S suite is able to properly stimulate the command and control systems to be used in the exercise.
- Event Operational Test (EOT). The purpose of EOT is to validate the implementation of the system-of-interest with stakeholders. In general, the EOT will verify that the exercise environment is able to operate on the networks and data paths used for the execution phase of the exercise.

Some events may require the following additional testing activities.

- Risk Reduction Testing (RRT). This testing is used in cases not covered by any of the aforementioned test types. An RRT is frequently used as an early test venue to ensure system interoperability and is generally accomplished by testing a sub-set of the architecture, as a modular approach, for a specific purpose. An RRT is also used when an issue or issues have been identified in another formal test event and regression testing is required to ensure the issue has been corrected or otherwise resolved/mitigated.
- Element Integration Testing (EIT). This testing can be one-on-one testing between two elements or be testing of a new element with several BMD M&S elements. The objectives and desired outcomes are discussed prior to scheduling this kind of test.
- Site Survey. A new location or new network location is being added to the BMD Event Architecture. The site visit allows for the teams to meet and discuss the unique requirements of working with the new location or participant.

**Execution Phase.** Execution activities include set up and operation of the BMD Modeling and Simulation tools, networks, and architecture throughout the execution period. Execution activities include.

- Set-up. Unpacking and connecting the BMD networks to the event networks.

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- Event Execution. Operations of the M&S tools, maintaining the BMD network, operating the shot plan to enable the warfighter and stakeholders to meet their objectives.
- Pack-up, ship and unpack at MDIOC

Some events require additional execution activities.

- Data Analysis Adjudication. During execution of the event the contractor provides data on each shot similar to a kill chain (who was the first to see the shot, who shot first at the shot, was the intercept successful, if not, who took the second shot if possible)
- After Action Review (AAR). Upon completion of the event, there are wrap up meetings to discuss takeaways, lessons learned from the event, action items are gathered, and the stakeholders share key takeaways from the event to adjust or keep in future events.
- Additional Foreign BMD System. Adding a foreign BMD system to the event architecture to include foreign disclosure and ITAR information.
- Additional US BMD System. Adding a US BMD system not originally planned or agreed upon into the event architecture.
- Additional Foreign Unit. Adding foreign unit participants into the event to include foreign disclosure and ITAR activities.
- Additional US Unit. Adding a US unit participants into the event not originally planned discussed at earlier planning meetings.

The objectives and outcomes described under Task 10.3 are applicable to all the BMDS Exercises outlined in subsequent sections of this PWS. Any deviations to a specific Exercise will be identified in that respective exercise section.

### **10.3.1 Objective: Design #1**

The contractor shall perform event planning and design tasks to ensure warfighter Missile Defense goals and objectives are fully met, and ensure prior outcomes. Event planning and participation required thru the JELC.

#### **Outcomes**

10.3.1.1 Attend and participate in the CDC by performing the following.

- Entry Criteria – Incorporate Lessons Learned into an initial draft Requirements Traceability Matrix (RTM) and conduct a review with the government event lead.
  - QASP Measurement #
- Exit Criteria – Develop draft CONOPS to be exercised, draft goals, draft objectives, draft participant list, draft stakeholders, and draft schedule.
  - QASP Measurement #

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10.3.1.2 Attend and participate in the IPC by performing the following.

- Entry Criteria – Develop draft diagrams (AVI, OV 1, SVI), revised RTM, and conduct review with government event lead.
  - QASP Measurement #
- Exit Criteria – Develop a draft blue force laydown, draft red order of battle, draft MSEL, final goals, final objectives, final participants, final stakeholders, and final schedule. and conduct review with government event lead.
  - QASP Measurement #

10.3.1.3 Attend and participate in the MPC by performing the following.

- Entry Criteria – Develop draft diagrams (AV 1, OV 1, SV 1, SV 2, DIV 3), revised RTM, draft Simulation Control and Coordination Plan, draft staffing plan, draft test plan, draft floor plan, and review with the government event lead.
  - QASP Measurement #
- Exit Criteria – Develop final blue force laydown, final red order of battle, final MSEL, final Missile Event List (MEL), final Consolidated Exercise Support Request (CESR), final Satellite Access Request (SAR), final architecture, and final OPTASKLINK.
  - QASP Measurement #

10.3.1.4 Attend and participate in the FPC by performing the following.

- Entry Criteria – Develop final SVI, SV2, DIV 3, final staffing plan, final test plan, final floor plan, and review with the government event lead.
  - QASP Measurement #
- Exit Criteria – Develop final architecture that is compliant with all event Foreign Disclosure, Export Control and ITAR requirements.
  - QASP Measurement #

As BMDS Exercise objectives are further developed and defined in the JELC, additional activities along with associated outcomes may be required. In order to achieve these additional outcomes the following Priced Prospective Work Packages (PPWPs) may be executed through a contract modification. (Assume each trip is taken by a single individual)

## **PPWPs**

10.3.1.5 Attend and participate in a three day CONUS TIM x10

- Exit Criteria (TIM) – Develop meeting minutes and/or a trip report detailing the attendees, topics discussed, action items captured, and for assigned action items a schedule detailing actions needing to close the action item.

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- QASP Measurement #
- 10.3.1.6 Attend and participate in a three day USPACOM TIM x15 (Executed two instances via Mod 11)
- 10.3.1.7 Attend and participate in a four day USEUCOM TIM x15
- 10.3.1.8 Attend and participate in a three day USCENTCOM TIM x2
- 10.3.1.9 Attend and participate in five day CONUS SDC x2
  - Exit Criteria – Develop meeting minutes and/or a trip report capturing the attendees, stakeholder decisions, draft BMD shot plan, draft blue and red force laydown decisions and topics.
    - QASP Measurement #
- 10.3.1.10 Attend and participate in a four day USPACOM OUG x5
  - Entry Criteria (OUG) – Review the draft agenda to anticipate discussion topics and be prepared to discuss BMD agenda items as it pertains to the events.
  - Exit Criteria (OUG) – Develop meeting minutes and/or trip report capturing the stakeholders, BMD Operational issues and topics discussed, and issues/topics.
    - QASP Measurement #
- 10.3.1.11 Attend and participate in a four day USEUCOM OUG x5
- 10.3.1.12 Attend and participate in a five day USPACOM BDOWG x4
  - Entry Criteria (BDOWG) - Review the draft agenda to anticipate discussion topics and be prepared to discuss BMD agenda items as it pertains to the events.
  - Exit Criteria (BDOWG) – Develop meeting minutes and/or trip report capturing the tactical integration topics and issues and how they might impact the event. If there are impacts, detail COAs and/or way a-heads for each issue.
    - QASP Measurement #
- 10.3.1.13 Attend and participate in a five day USEUCOM MSEL Conference x10
  - Entry Criteria (MSEL) – Prepare for conference with gathering and bringing questions for the stakeholders on the BMD shot plan and scenario.
  - Exit Criteria (MSEL) – Develop meeting minutes and/or trip report capturing stakeholders in attendance, stakeholder’s BMD inputs/decisions to the shot plan and scenario.
    - QASP Measurement #

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10.3.1.14 Attend and participate in a five day USCENTCOM MSEL Conference x2

10.3.1.15 Attend and participate in a five day USPACOM AWG x10 (Executed one instance via Mod P00010)

- Entry Criteria (AWG) – Prepare for meeting with the stakeholders at the WG by gathering and bringing questions on the BMD event architecture.
  - QASP Measurement: TBD
- Exit Criteria (AWG)– Develop meeting minutes and/or trip report capturing latest changes and decisions to incorporate into the event architecture. If there are issues identified in the meeting, develop COAs to address the identified issue.
  - QASP Measurement #

10.3.1.16 Attend and participate in a five day USEUCOM Architecture Working Group x10

10.3.1.17 Attend and participate in a five day USCENTCOM Architecture Working Group x2

10.3.1.18 Attend and participate in a five day CONUS BIWG x4 (Executed one instance via Mod P00007)

- Entry Criteria (BIWG) – Review the draft agenda to anticipate discussion topics and be prepared to discuss BMD agenda items as it pertains to the events.
- Exit Criteria (BIWG)– Develop meeting minute and/or trip report capturing activities and decisions that impact the event. For each impact develop a way-ahead to address. Identify activities that may conflict with the event schedule and draft suggested changes for the Government Event Lead.
  - QASP Measurement #

10.3.1.19 Attend and participate in a five day USEUCOM BIWG x4

10.3.1.20 Attend and participate in a four day USEUCOM CEPS x4

- Entry Criteria (CEPS) – Review the draft agenda to anticipate discussion topics and be prepared to discuss BMD agenda items as it pertains to the events.
- Exit Criteria (CEPS)– Develop meeting minutes and/or trip report capturing the stakeholders in attendance, the latest issues, action items and draft COAs for each issue and action item that pertains to the event.
  - QASP Measurement:

10.3.2 Objective: Design #2

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The Contractor shall perform functions necessary to ensure Foreign Disclosure, Export Control and ITAR compliance.

### **Outcomes**

10.3.2.1 Systems and information are Export Control and ITAR compliant. Systems and information are approved for Foreign Disclosure.

- QASP Measurement #

### **10.3.3 Objective: Test #1**

The Contractor shall communicate, coordinate, engineer, integrate, and test necessary architectures, simulations, models, HWIL and OITL interfaces, simulated and tactical communications and data collection efforts, to ensure event goals and objectives are fully met and to ensure successful event execution.

### **Outcomes**

10.3.3.1 Perform EVT activities in order to develop the Modeling and Simulation suite that meets the exercise objectives.

- QASP Measurement #

10.3.3.2 Perform EFT activities in order to verify the test environment meets exercise objective.

- QASP Measurement #

10.3.3.3 Perform EOT activities in order to develop the exercise environment that will be operating on the exercise architecture.

- QASP Measurement #

As BMDS Exercise objectives are further developed and defined in the JELC additional activities along with associated outcomes may be required. In order to achieve these additional outcomes the following PPWPs may be executed through a contract modification.

### **PPWPs**

10.3.3.4 Perform a five day CONUS RRT (three people) x10 (Executed three instances via Mod P00007)

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- QASP Measurement #

10.3.3.5 Perform a five day USPACOM RRT (three people) x10 (Executed two instances via Mod P00008) (Executed two instances via Mod P00013) (Executed three instances via Mod P00015) (Executed 1 via Mod P00018)

10.3.3.6 Perform a five day USEUCOM RRT (three people) x15 (Executed one instance via Mod P00007) (Executed 8 via Mod P00018)

10.3.3.7 Perform a five day USCENTCOM RRT (three people) x2 (Execute one instance via Mod 11)

10.3.3.8 Perform a three day CONUS Site Survey (two people) x5

- QASP Measurement #

10.3.3.9 Perform a four day USPACOM Site Survey (two people) x10 (Execute two instances via Mod P00010)

10.3.3.10 Perform a four day USEUCOM Site Survey (two people) x10

10.3.3.11 Perform a three day USCENTCOM Site Survey (two people) x2

10.3.3.12 Perform a five day CONUS Element Integration Testing (three people) x5

- QASP Measurement #

10.3.3.13 Perform a five day USPACOM Element Integration Testing (three people) x10

10.3.3.14 Perform a five day USEUCOM Element Integration Testing (three people) x10

10.3.3.15 Perform a five day USCENTCOM Element Integration Testing (three people) x2 (Executed 1 via Mod P00018)

10.3.3.16 Perform a five day USPACOM Host Nation Integration Testing (four people) x5

10.3.3.17 Perform a five day USEUCOM Host Nation Integration Testing (four people) x5 (Executed 2 via Mod P00018)

#### 10.3.4 Objective: Test #2

The Contractor shall ensure compliance with ECsP, Security Accreditation, CDS, and MDA Quality, Safety and Mission Assurance requirements.

#### Outcomes

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10.3.4.1      Develop, coordinate and deliver an Event Test Plan

- CDRL C005: Event Support Plan

10.3.4.2      Develop, coordinate and deliver an EcsP

- CDRL C006: Event Cybersecurity Plan (EcsP)

### 10.3.5      Objective: Execution

The contractor shall perform tasks necessary to achieve event goals and objectives.

#### Outcomes

10.3.5.1      Set-up and configure execution site in accordance with event goals and objectives.

- QASP Measurement #

10.3.5.2      Execute event in accordance with event goals and objectives. Provide daily and final summary to government Event Lead.

- CDRL C007: Event Report

10.3.5.3      Return materials packed, shipped, received and unpacked.

- QASP Measurement #

When performing this objective it is anticipated that additional execution activities may be required. In order to accomplish these additional activities the following PPWPs may be executed through a contract modification. These additional execution activities do not change the outcomes associated with this objective.

#### PPWPs

10.3.5.4      Three people for ten days for an additional USPACOM location Host Nation System x15

10.3.5.5      Three people for ten days for an additional USEUCOM location Host Nation System x15

10.3.5.6      Three people for five days for an additional USCENTCOM location Host Nation System x2

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10.3.5.7 Three people for ten days for an additional CONUS Unit x15 (Executed one instance via Mod P00007)

10.3.5.8 Three people for ten days for an additional USPACOM Unit x15 (Executed one instance via Mod P00008)

10.3.5.9 Three people for ten days for an additional USEUCOM Unit x15

10.3.5.10 Three people for ten days for an additional USCENCOM Unit x2

10.3.5.11 Three people for ten days for an additional US System in a CONUS Event x10

10.3.5.12 Three people for ten days for an additional US System in a USPACOM Event x10

10.3.5.13 Three people for ten days for an additional US System in a USEUCOM Event x10

10.3.5.14 Attend and participate in a three day for a CONUS AAR (two people) x5

10.3.5.15 Two people for three days for a USPACOM AAR x10

- QASP Measurement #

10.3.5.16 Attend and participate in a three day for a USEUCOM AAR (two people) x10

10.3.5.17 Attend and participate in a three day USCENCOM AAR (one person) x5

10.3.5.18 Attend and participate in a five day CONUS Data Analysis Adjudication (one person) x20

- QASP Measurement #

10.3.5.19 Attend and participate in a five day USPACOM Data Analysis Adjudication (one person) x20

10.3.5.20 Attend and participate in a five day USEUCOM Data Analysis Adjudication (one person) x20

#### **10.4 Generic BMDS Wargame**

**Design Phase.** Event planning and participation occurs at the following conferences/meetings

- Event Kick-Off Meeting. This meeting is held with the DTWX Event Leadership to discuss objectives, requirements and draft schedule.
- Stakeholder Planning Meeting. This meeting is held with the stakeholders to finalize the event objectives, requirements, schedule and manpower needs.

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Some events may also require participation at the following activities.

- CDC
- IPC
- MPC
- FPC
- Table Top Planning Meeting. A meeting assisted with simulation demonstration to help develop talking points for the event.

**Test Phase.** Event test activities include communication, coordination, engineering, integrating, and testing architectures, simulations, models, OITL interfaces, and simulated and tactical communications and data collection efforts, to ensure event can achieve its goals and objectives. The test phase is broken into the following test events.

- EVT
- EFT
- EOT

Some events may require additional testing in the following activities.

- RRT

**Execution Phase.** Execution activities include set up and operation of the BMD Modeling and Simulation tools throughout the execution period. Execution activities include.

- Set-up
- Event Execution
- Pack-up, ship and unpack at MDIOC

Some events require additional execution activities.

- AAR

The objectives and outcomes described under Task 10.4 are applicable to all the BMDS Exercises outlined in subsequent sections of this PWS. Any deviations to a specific wargame will be identified in that respective wargame section.

#### **10.4.1 Objective: Design #1**

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The contractor shall perform event planning and design tasks to ensure warfighter Missile Defense goals and objectives are fully met, and ensure prior outcomes. Event planning and participation required thru the Event Lifecycle.

## **Outcomes**

### **10.4.1.1 Attend and participate in the kick-off meeting**

- Exit Criteria – Develop a draft schedule and event requirements. Develop manpower de-confliction if manpower conflicts occur.
- QASP Measurement #

### **10.4.1.2 Attend and participate in the stakeholder planning meeting**

- Exit Criteria – Develop a trip report capturing event milestones, requirements and stakeholders. Update event schedule with updated changes.
- QASP Measurement #

As Wargame objectives are further developed and defined in the JELC additional activities along with associated outcomes may be required. In order to achieve these additional outcomes the following PPWPs may be executed through a contract modification. (Assume each trip is taken by a single individual.) The outcomes and QASP measurements outlined in section 10.3.1 for each of these conferences identified below are identical.

## **PPWPs**

### **10.4.1.3 Attend and participate in a four day CONUS MPC x10**

### **10.4.1.4 Attend and participate in a four day USPACOM MPC x15**

### **10.4.1.5 Attend and participate in a four day USEUCOM MPC x15**

### **10.4.1.6 Attend and participate in a five day CONUS Table Top Planning Meeting x10**

- Exit Criteria – Develop meeting minutes capturing stakeholder feedback, decisions, discussion topics and action items. For each action item, identify a way-ahead to address the issue.

### **10.4.1.7 Attend and participate in a five day USPACOM Table Top Planning Meeting x15**

- Exit Criteria – Develop trip report capturing stakeholder feedback, decisions, discussion topics and action items. For each action item, identify a way-ahead to address the issue.

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10.4.1.8 Attend and participate in a five day USEUCOM Table Top Planning Meeting x15

10.4.1.9 Senior Facilitator to attend and participate in a five day CONUS Planning Meeting x10

- Exit Criteria: Facilitate discussions with stakeholders at the Flag Officer/General Officer (FO/GO) perspective and spur/direction conversations and thoughts through the Planning Meeting in order to refine event objectives and goals.

10.4.1.10 Senior Facilitator to attend and participate in a five day USPACOM Planning Meeting x10 (Executed one instance via Mod P00007)

10.4.1.11 Senior Facilitator to attend and participate in a five day USEUCOM Planning Meeting x10

#### **10.4.2 Objective: Design #2**

The Contractor shall perform functions necessary to ensure Foreign Disclosure, Export Control and ITAR compliance.

##### **Outcomes**

10.4.2.1 Systems and information are Export Control and ITAR compliant. Systems and information are approved for Foreign Disclosure.

- QASP Measurement #

#### **10.4.3 Objective: Test #1**

The Contractor shall communicate, coordinate, engineer, integrate, and test necessary architectures, simulations, models, and OITL interfaces, simulated and tactical communications and data collection efforts, to ensure event goals and objectives are fully met and to ensure successful event execution.

##### **Outcomes**

10.4.3.1 Perform EVT activities in order to develop the Modeling and Simulation suite that meets the exercise objectives.

- QASP Measurement #

10.4.3.2 Perform EFT activities in order to verify the test environment meets exercise objective.

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- QASP Measurement #

10.4.3.3 Perform EOT activities in order to develop the exercise environment that will be operating on the exercise architecture.

- QASP Measurement #

As Wargame objectives are further developed and defined in the JELC additional activities along with associated outcomes may be required. In order to achieve these additional outcomes the following PPWPs may be executed through a contract modification. (Assume each trip includes three individuals.)

### **PPWPs**

10.4.3.4 Perform a five day CONUS TTX x20 (Executed 3 via Mod P00018)

- CDRL C008: Table Top (TTX) Executive Summary
- QASP Measurement #

10.4.3.5 Perform a five day USPACOM TTX x20

10.4.3.6 Perform a five day USEUCOM TTX x20

10.4.3.7 Perform a five day USCENTCOM TTX x20

10.4.3.8 Perform a five day CONUS RRT x20

- QASP Measurement #

10.4.3.9 Provide senior level facilitation and leadership at a five day CONUS TTX x20

- Exit Criteria: Facilitate discussions with stakeholders at the Flag Officer/General Officer (FO/GO) perspective and spur/direction conversations and thoughts through the Table Top Exercise Event in order to refine event objectives and goals.

10.4.3.10 Senior Facilitator to lead and participate in a five day USPACOM TTX x20

10.4.3.11 Senior Facilitator to lead and participate in a five day USEUCOM TTX x20 (Executed 1 via Mod P00018)

10.4.3.12 Senior Facilitator to lead and participate in a five day USCENTCOM TTX x20

10.4.3.13 Senior Facilitator to lead and participate in a five day CONUS RRT x20

10.4.3.14 Perform a five day EVT x20

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#### **10.4.4 Objective: Test #2**

The Contractor shall ensure compliance with ECSP, Security Accreditation, and MDA Quality, Safety and Mission Assurance requirements.

##### **Outcomes**

10.4.4.1 Develop, coordinate and deliver the Event Test Plan

- CDRL C005: Event Test Plan

10.4.4.2 Develop, coordinate and deliver the ECsP

- CDRL C006: Event Cybersecurity Plan (EcsP)

#### **10.4.5 Objective: Execution**

The contractor shall perform tasks necessary to achieve event goals and objectives.

##### **Outcomes**

10.4.5.1 Set-up and configure execution site in accordance with event goals and objectives

- QASP Measurement #

10.4.5.2 Execute event in accordance with event goals and objectives. Provide daily and final summary to government Event Lead

- CDRL C007: Event Report.

10.4.5.3 Return materials packed, shipped, received and unpacked

- QASP Measurement #

It is anticipated that as exercises objectives are further developed and defined additional execution activities may be required. In order to accomplish these additional activities the following PPWPs have been identified and would be executed through a contract modification.

##### **PPWPs**

10.4.5.4 One person to perform a three day CONUS AAR x10

10.4.5.5 One person to perform a three day USPACOM AAR x10

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10.4.5.6 One person to perform a three day USEUCOM AAR x10

10.4.5.7 One Senior Facilitator to perform a three day CONUS AAR x10

- Exit Criteria: Facilitate discussions with stakeholders at the Flag Officer/General Officer (FO/GO) perspective and spur/direction conversations and thoughts for future events. Facilitate conversations on Lessons Learned and suggestions to adjust in future events.

10.4.5.8 One Senior Facilitator to perform a three day USEUCOM AAR x10

## **10.5 Mission Development (PPWP)**

Mission Development consists of multiple tasks in support of COCOM Exercises such as Concept Development, MDA M&S and network requirements development, TIMs, planning activities, EI&T activities, and execution activities. For this period of performance estimate one Global Lighting type event with planning events in USEUCOM. In addition, assume two CONUS planning events. Each project shall be defined through a Mission Support Task (MST). After the MST is issued the contractor shall provide an engineering estimate, engineering artifacts, and implementation plan to the COTR as outlined in the MST. Upon stakeholder agreement the Contracting Officer will provide an authority to proceed for the contractor to execute and complete the project. The contractor shall establish a discrete work package for each MST. All MSTs will be identified in the PWS starting at 10.5.4 thru 10.5.n and added to Attachment D to the PWS. The Task Change Requirement (TCR) process shall be followed when there is a need to document and communicate a potential cost, schedule, or requirements change to the MST. .

The following PPWPs will be executed to meet surge requirements.

### **10.5.1 Objective: Design #1**

The contractor shall perform event planning and design tasks to ensure warfighter Missile Defense goals and objectives are fully met.

#### **PPWPs**

The outcomes identified in paragraphs 10.3.1.2 and 10.3.1.3 are applicable to the following PPWPs.

10.5.1.1 Attend and participate in the five day CONUS IPC x3

10.5.1.2 Attend and participate in the five day USPACOM IPC x3

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10.5.1.3 Attend and participate in the five day USEUCOM IPC x3 (Execute one instance via Mod P00010)

10.5.1.4 Attend and participate in the five day USCENTCOM IPC x3

10.5.1.5 Attend and participate in the five day CONUS MPC x3

10.5.1.6 Attend and participate in the five day USPACOM MPC x3 (Execute one instance via Mod P00017)

10.5.1.7 Attend and participate in the five day USEUCOM MPC x3

10.5.1.8 Attend and participate in the five day USCENTCOM MPC x3

## **10.5.2 Objective: Design #2**

The Contractor shall perform functions necessary to ensure Foreign Disclosure, Export Control and ITAR compliance.

### **PPWP**

10.5.2.1 Systems and information are Export Control and ITAR compliant. Systems and information are approved for Foreign Disclosure. X24

- QASP Measurement #

## **10.5.3 Objective: Test #1**

The Contractor shall communicate, coordinate, engineer, integrate, and test necessary architectures, simulations, models, and OITL interfaces, simulated and tactical communications and data collection efforts, to ensure event goals and objectives are fully met and to ensure successful event execution.

### **PPWP**

10.5.3.1 Perform EVT activities in order to develop the Modeling and Simulation suite that meets the exercise objectives. X5 (Executed one instance via Mod P00007) (Execute one instance via Mod P00017)

- QASP Measurement #

## **10.6 GLOBAL THUNDER 19 / VIGILANT SHIELD 19 Exercise**

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Systems: (b)(3):10 U.S.C. § 130  
(b)(3):10 U.S.C. § 130

Units: (b)(3):10 U.S.C. § 130  
(b)(3):10 U.S.C. § 130

#### 10.7 GLOBAL THUNDER 20 / VIGILANT SHIELD 20 Exercise

Systems: (b)(3):10 U.S.C. § 130  
(b)(3):10 U.S.C. § 130

Units: (b)(3):10 U.S.C. § 130  
(b)(3):10 U.S.C. § 130

#### 10.8 Joint Live, Virtual, and Constructive 2018 Exercise

Systems: Aegis (b)(3):10 U.S.C. § 130  
(b)(3):10 U.S.C. § 130

Units: Joint Staff, USSTRATCOM, USEUCOM, NORAD, USNORTHCOM, USPACOM, USCENCOM, USAF, USA, USN, USMC, NSA, NRO, DITRA, LLNL, LANL, MDA

#### 10.9 Joint Live, Virtual, and Constructive 2019 Exercise

Systems: Aegis (b)(3):10 U.S.C. § 130  
(b)(3):10 U.S.C. § 130

Units: (b)(3):10 U.S.C. § 130  
(b)(3):10 U.S.C. § 130

#### 10.10 KEY RESOLVE 18 Exercise

Systems: (b)(3):10 U.S.C. § 130  
(b)(3):10 U.S.C. § 130

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Units: (b)(3):10 U.S.C. § 130

(b)(3):10 U.S.C. § 130

#### 10.11 KEY RESOLVE 19 Exercise

Systems: (b)(3):10 U.S.C. § 130

(b)(3):10 U.S.C. § 130

Units: (b)(3):10 U.S.C. § 130

(b)(3):10 U.S.C. § 130

#### 10.12 ULCHI FREEDOM GUARDIAN 18 Exercise

Systems: (b)(3):10 U.S.C. § 130

Units: (b)(3):10 U.S.C. § 130

(b)(3):10 U.S.C. § 130

#### 10.13 ULCHI FREEDOM GUARDIAN 19 Exercise

Systems: (b)(3):10 U.S.C. § 130

Units: (b)(3):10 U.S.C. § 130

(b)(3):10 U.S.C. § 130

#### 10.14 KEEN EDGE 18 / PACIFIC SENTRY 18-2 Exercise

Systems: (b)(3):10 U.S.C. § 130

(b)(3):10 U.S.C. § 130

Units: (b)(3):10 U.S.C. § 130

(b)(3):10 U.S.C. § 130

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**10.15 RESERVED**

**10.16 PACIFIC SENTRY 18-3 Exercise**

Systems: (b)(3):10 U.S.C. § 130

(b)(3):10 U.S.C. § 130

Units: (b)(3):10 U.S.C. § 130

**10.17 PACIFIC SENTRY 19-2 Exercise**

Systems: (b)(3):10 U.S.C. § 130

(b)(3):10 U.S.C. § 130

Units: (b)(3):10 U.S.C. § 130

**10.18 PACIFIC SENTRY 19-3 / TALISMAN SABER 19 Exercise**

(b)(3):10 U.S.C. § 130

Units: HQ USPACOM, HQ PACAF, 94<sup>th</sup> AAMDC, 613<sup>th</sup> AOC, JS/J7

**10.19 RESILIENT SHIELD 18 Exercise**

Systems: (b)(3):10 U.S.C. § 130

(b)(3):10 U.S.C. § 130

Units: (b)(3):10 U.S.C. § 130

(b)(3):10 U.S.C. § 130

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## 10.20 RESILIENT SHIELD 19 Exercise

Systems: (b)(3):10 U.S.C. § 130

(b)(3):10 U.S.C. § 130

Units: (b)(3):10 U.S.C. § 130

(b)(3):10 U.S.C. § 130

## 10.21 KEEN SWORD 19 Exercise

Systems: (b)(3):10 U.S.C. § 130

(b)(3):10 U.S.C. § 130

Units: (b)(3):10 U.S.C. § 130

(b)(3):10 U.S.C. § 130

## 10.22 HOST NATION EXERCISE 18

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Systems: (b)(3):10 U.S.C. § 130  
(b)(3):10 U.S.C. § 130

Units: (b)(3):10 U.S.C. § 130  
(b)(3):10 U.S.C. § 130

#### 10.23 HOST NATION EXERCISE 20

Systems: (b)(3):10 U.S.C. § 130  
(b)(3):10 U.S.C. § 130

Units: (b)(3):10 U.S.C. § 130  
(b)(3):10 U.S.C. § 130

#### 10.24 AUSTERE CHALLENGE 19 Exercise

Systems: (b)(3):10 U.S.C. § 130  
(b)(3):10 U.S.C. § 130

Units: USEUCOM; USNAVEUR; USAFE; USAEUR; SOCEUR

#### 10.25 STEADFAST ALLIANCE 18 Exercise

Systems: (b)(3):10 U.S.C. § 130

Units: (b)(3):10 U.S.C. § 130  
(b)(3):10 U.S.C. § 130

#### 10.26 STEADFAST ALLIANCE 20 Exercise

Systems: (b)(3):10 U.S.C. § 130

Units: (b)(3):10 U.S.C. § 130  
(b)(3):10 U.S.C. § 130

#### 10.27 STEADFAST ARMOUR 19 Exercise

~~FOR OFFICIAL USE ONLY~~

Systems: (b)(3):10 U.S.C. § 130

Units: (b)(3):10 U.S.C. § 130

(b)(3):10 U.S.C. § 130

#### 10.28 EUROPEAN AIR AND MISSILE DEFENCE EXERCISE 18 Exercise

Systems: (b)(3):10 U.S.C. § 130

Units: (b)(3):10 U.S.C. § 130

(b)(3):10 U.S.C. § 130

#### 10.29 EUROPEAN AIR AND MISSILE DEFENCE EXERCISE 19 Exercise

Systems: (b)(3):10 U.S.C. § 130

Units: (b)(3):10 U.S.C. § 130

(b)(3):10 U.S.C. § 130

#### 10.30 EUROPEAN TEST BED 18-1 Exercise (CLIN 1700)

Systems: (b)(3):10 U.S.C. § 130

(b)(3):10 U.S.C. § 130

Units: (b)(3):10 U.S.C. § 130

(b)(3):10 U.S.C. § 130

#### 10.31 EUROPEAN TEST BED 18-2 Exercise (CLIN 1700)

Systems: (b)(3):10 U.S.C. § 130

(b)(3):10 U.S.C. § 130

Units: (b)(3):10 U.S.C. § 130

(b)(3):10 U.S.C. § 130

#### 10.32 EUROPEAN TEST BED 19-1 Exercise (CLIN 1700 and CLIN 1701)

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Systems: (b)(3):10 U.S.C. § 130  
(b)(3):10 U.S.C. § 130

Units: (b)(3):10 U.S.C. § 130  
(b)(3):10 U.S.C. § 130

### 10.33 JOINT PROJECT OPTIC WINDMILL 19 Exercise

Systems: (b)(3):10 U.S.C. § 130  
(b)(3):10 U.S.C. § 130

Participants: (b)(3):10 U.S.C. § 130  
(b)(3):10 U.S.C. § 130

### 10.34 AIR AND MISSILE DEFENSE EXERCISE 18-2 Exercise

Systems: (b)(3):10 U.S.C. § 130  
(b)(3):10 U.S.C. § 130

Units: (b)(3):10 U.S.C. § 130  
(b)(3):10 U.S.C. § 130

### 10.35 AIR AND MISSILE DEFENSE EXERCISE 19-1 Exercise

Systems: (b)(3):10 U.S.C. § 130  
(b)(3):10 U.S.C. § 130

Units: (b)(3):10 U.S.C. § 130  
(b)(3):10 U.S.C. § 130

### 10.36 JOINT AIR DEFENSE EXERCISE 18-1 Exercise

Systems: (b)(3):10 U.S.C. § 130  
(b)(3):10 U.S.C. § 130

Units: (b)(3):10 U.S.C. § 130  
(b)(3):10 U.S.C. § 130

### 10.37 JOINT AIR DEFENSE EXERCISE 18-2 Exercise

Systems: (b)(3):10 U.S.C. § 130  
(b)(3):10 U.S.C. § 130

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Units: (b)(3):10 U.S.C. § 130  
(b)(3):10 U.S.C. § 130

#### **10.38 EAGLE RESOLVE 19 Exercise**

Systems: (b)(3):10 U.S.C. § 130  
(b)(3):10 U.S.C. § 130

Units: (b)(3):10 U.S.C. § 130

#### **10.39 BMDS Wargame 2019**

Systems: (b)(3):10 U.S.C. § 130

#### **10.40 NIMBLE FIRE 18A Wargame**

Systems: (b)(3):10 U.S.C. § 130

#### **10.41 NIMBLE FIRE 18B Wargame**

Systems: (b)(3):10 U.S.C. § 130

#### **10.42 NIMBLE FIRE 19A Wargame**

Systems: (b)(3):10 U.S.C. § 130

#### **10.43 NIMBLE TITAN 2018 Wargame**

Systems: (b)(3):10 U.S.C. § 130

#### **10.44 NIMBLE TITAN 2020 Wargame**

Systems: (b)(3):10 U.S.C. § 130

#### **10.45 CONUS Break Glass TTX (PPWP) Wargame: Activate**

Systems: (b)(3):10 U.S.C. § 130

#### **10.46 CONUS Table Top Exercise #2 (PPWP) Wargame**

Systems: (b)(3):10 U.S.C. § 130

#### **10.47 USPACOM Table Top Exercise #1 Wargame**

Systems: (b)(3):10 U.S.C. § 130

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**10.48      USPACOM Table Top Exercise #2 Wargame**

Systems: (b)(3):10 U.S.C. § 130

**10.49      USPACOM Table Top Exercise #3 Wargame**

Systems: (b)(3):10 U.S.C. § 130

**10.50      USEUCOM Table Top Exercise #1 Wargame**

Systems: (b)(3):10 U.S.C. § 130

**10.51      USEUCOM Table Top Exercise #2 Wargame**

Systems: (b)(3):10 U.S.C. § 130

**10.52      USEUCOM Table Top Exercise #3 Wargame**

Systems: (b)(3):10 U.S.C. § 130

**10.53      USEUCOM Table Top Exercise #4 Wargame**

Systems: (b)(3):10 U.S.C. § 130

**10.54      USEUCOM Table Top Exercise #5 Wargame**

Systems: (b)(3):10 U.S.C. § 130

**10.55      USEUCOM Table Top Exercise #6 Wargame**

Systems: (b)(3):10 U.S.C. § 130

**10.56      USEUCOM Table Top Exercise #7 (PPWP) Wargame**

Systems: (b)(3):10 U.S.C. § 130

**10.57      RESILIENT SHIELD 18 Japan FMS (FFP) Exercise (CLIN 1500))**

The Contractor shall perform event execution tasks necessary to achieve event and 2nd Air Defense Missile Group at Kasuga Air Base and 5th ADMG at Naha Air Base training goals and objectives.

**10.58      Strategic Projects**

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Perform strategic forward looking projects in alignment with the MDA Director for Test 2030 Test Strategy to enhance BMDS Exercises and Wargames. Technical Direction Letters (TDLs) will identify the projects the contractor will apply the following objective and outcomes to and identify the schedule and any required tailoring to the outcomes identified below.

#### 10.58.1 Objective: Network and Architecture

The contractor shall perform the planning, requirements identification and analysis, Courses of Action (COA) and Analysis of Alternatives (AoAs) development, stakeholder coordination, engineering board processes, compliance processes, preliminary and detailed designs, implementation, installation, configuration and documentation for future Exercises and Wargame networks, architectures and infrastructure as required.

##### 10.58.1.1 Outcomes – Project Initiative and Planning:

- Define project concept, goals and requirements
- Identify and coordinate internal & external stakeholders
- Identify and coordinate internal & external dependencies, constraints and risks
- Develop Project Objectives and Milestones (POA&M)
- Develop COAs and AoAs
- Draft and submit internal external service request / requirements forms
- Develop cybersecurity documentation, accreditation and connection processes
- Develop Cross Domain Solution (CDS) documentation

##### 10.58.1.2 Outcomes – Project Design:

- Conduct design reviews
- Create and coordinate architecture drawings
- Create and coordinate Bill of Materials (BOM) / parts and equipment List
- Create and coordinate Configuration Management plan

##### 10.58.1.3 Outcomes – Project Execution and Implementation:

- Develop cybersecurity documentation, accreditations and connections
- Develop Cross Domain Solutions (CDS)
- Configure and install network/architecture
- Develop Configuration Management plan

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#### 10.58.2 Objective: Live, Virtual and Constructive (LVC) Environment

The contractor shall explore, identify, coordinated and anticipate future LVC environment capabilities, enhancement, interoperability and interface requirements and changes required for Exercises and Wargames in a multi-service/agency, multi-lateral and globally distributed environment.

##### Outcomes:

- 10.58.2.1 Perform LVC gap analysis.
- 10.58.2.2 Develop virtualization and distributive environment COAs and AoAs.
- 10.58.2.3 Develop multi-level classification event solution COAs and AoAs
- 10.58.2.4 Develop Integrated Air and Missile Defense (IAMD) solution COAs and AoAs
- 10.58.2.5 Respond to capability calls.

#### 10.58.3 Objective: Scenario Enhancement and Automation

The contractor shall perform studies addressing Exercises and Wargames unclassified and classified data management, automation, accessibility, usability, data call response times and cybersecurity.

##### Outcomes:

- 10.58.3.1 Develop event and scenario data management concepts
- 10.58.3.2 Design event and scenario data management solutions
- 10.58.3.3 Implement event and scenario data management solutions
- 10.58.3.4 Develop classified data at rest solution COAs and AoAs

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<b>ORDER FOR SUPPLIES OR SERVICES</b>												PAGE 1 OF 16	
1. CONTRACT/PURCH. ORDER/AGREEMENT NO. HQ079617D0001				2. DELIVERY ORDER/CALL NO. HQ079618F9700P00014		3. DATE OF ORDER/CALL (YYYYMMDD) 2018 Mar 01		4. REQ. PURCH. REQUEST NO. See Schedule		5. PRIORITY  DX-C9			
6. ISSUED BY MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300				CODE HQ0796		7. ADMINISTERED BY (if other than 6) DCMA HUNTSVILLE 1040 RESEARCH BLVD SUITE 100 MADISON AL 35758-2040				CODE S0107A  SCD: A		8. DELIVERY FOB <input checked="" type="checkbox"/> DESTINATION <input type="checkbox"/> OTHER  (See Schedule if other)	
9. CONTRACTOR JACOBS TECHNOLOGY INC. 550 WILLIAM NORTHERN BLVD. TULLAHOMA TN 37388-4727				CODE 7EBK3		FACILITY		10. DELIVER TO FOR POINT BY (Date) (YYYYMMDD) <b>SEE SCHEDULE</b>		11. MARK IF BUSINESS IS <input type="checkbox"/> SMALL <input type="checkbox"/> SMALL DISADVANTAGED <input type="checkbox"/> WOMEN-OWNED		13. MAIL INVOICES TO THE ADDRESS IN BLOCK See Item 15	
NAME AND ADDRESS								12. DISCOUNT TERMS					
14. SHIP TO MISSILE DEFENSE AGENCY (MDA) (b)(6) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300				CODE HQ0796		15. PAYMENT WILL BE MADE BY FAS COLUMBUS CENTER SOUTH ENTITLEMENT OPERATIONS P. O. BOX 182264 COLUMBUS OH 43218-2264				MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2.			
16. TYPE OF ORDER		DELIVERY/ CALL		<input checked="" type="checkbox"/> X		This delivery order/call is issued on another Government agency or in accordance with and subject to terms and conditions of above numbered contract.							
		PURCHASE				Reference your quote dated Furnish the following on terms specified herein, REF:							
ACCEPTANCE. THE CONTRACTOR HEREBY ACCEPTS THE OFFER REPRESENTED BY THE NUMBERED PURCHASE ORDER AS IT MAY PREVIOUSLY HAVE BEEN OR IS NOW MODIFIED, SUBJECT TO ALL OF THE TERMS AND CONDITIONS SET FORTH, AND AGREES TO PERFORM THE SAME.													
NAME OF CONTRACTOR				SIGNATURE				TYPED NAME AND TITLE				DATE SIGNED (YYYYMMDD)	
<input type="checkbox"/> If this box is marked, supplier must sign Acceptance and return the following number of copies:													
17. ACCOUNTING AND APPROPRIATION DATA/ LOCAL USE  See Schedule													
18. ITEM NO.		19. SCHEDULE OF SUPPLIES/ SERVICES				20. QUANTITY ORDERED/ ACCEPTED*		21. UNIT		22. UNIT PRICE		23. AMOUNT	
		SEE SCHEDULE											
* If quantity accepted by the Government is same as quantity ordered, indicate by X. If different, enter actual quantity accepted below quantity ordered and encircle.						24. UNITED STATES OF AMERICA IN (b)(6) EN (b)(6) @a.mil BY (b)(6)		CONTRACTING / ORDERING OFFICER		25. TOTAL \$12,932,069.00 EST		26. DIFFERENCES	
27a. QUANTITY IN COLUMN 20 HAS BEEN <input type="checkbox"/> INSPECTED <input type="checkbox"/> RECEIVED <input type="checkbox"/> ACCEPTED, AND CONFORMS TO THE CONTRACT EXCEPT AS NOTED													
b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE								c. DATE (YYYYMMDD)		d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE			
e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE								28. SHIP NO.		29. DO VOUCHER NO.		30. INITIALS	
f. TELEPHONE NUMBER				g. E-MAIL ADDRESS				<input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL		32. PAID BY		33. AMOUNT VERIFIED CORRECT FOR	
36. I certify this account is correct and proper for payment.								31. PAYMENT <input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL				34. CHECK NUMBER	
a. DATE (YYYYMMDD)		b. SIGNATURE AND TITLE OF CERTIFYING OFFICER										35. BILL OF LADING NO.	
37. RECEIVED AT		38. RECEIVED BY		39. DATE RECEIVED (YYYYMMDD)		40. TOTAL CONTAINERS		41. S/R ACCOUNT NO.		42. S/R VOUCHER NO.			

Section B - Supplies or Services and Prices

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1000		(b)(4)			(b)(4)

Services/Capabilities  
 CPIF

he contractor shall provide all services/capabilities identified in the performance work statement (PWS) attached to this task order. All task order costs, other than those specifically included in another contract line item number (CLIN), are included in this CLIN.

(b)(4)	All share ratios are identified as follows: (b)(4) Government (b)(4) Contractor. The share ratios are subject to revision in accordance with the ICES Performance Evaluation and Incentive Plan (Contract Attachment J-06).	(b)(4)
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FOB: Destination

PURCHASE REQUEST NUMBER: HQ0147863428

TARGET COST  
 TARGET FEE  
 TOTAL TGT COST + FEE  
 MINIMUM FEE  
 MAXIMUM FEE  
 SHARE RATIO ABOVE TARGET  
 SHARE RATIO BELOW TARGET

(b)(4)

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100001		

Incremental Funding

ACRNAA

(b)(4)

PURCHASE REQUEST NUMBER: HQ0147863428

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100002	Incremental Funding	
	ACRN AB	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147863530	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100003	Incremental Funding	
	ACRN AD	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864451	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100004	Incremental Funding	
	ACRN AF	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147866014	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100005	Incremental Funding	
	ACRNAG	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147966639	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100006	Incremental Funding	
	ACRN AH	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147968175	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100007	Incremental Funding	
	ACRN AJ	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147968436	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100008	Incremental Funding	
	ACRNAL	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147969182	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100009	Incremental Funding	
	ACRNAM	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147969091	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1040		(b)(4)			(b)(4)

Expensed CAP: IT HW/Equip  
CPIF

Contractor purchase of expensed contractor-acquired property (CAP), specifically information technology (IT) hardware (HW)/equipment (equip), necessary to provide the services/capabilities identified in the PWS attached to this task order. CAP is defined in FAR 52.245-1. IT hardware/equipment is a subset of equipment as defined in DoDI 5000.64.

Expensed CAP line items were created as an accounting mechanism designed to provide MDA better visibility and linkage of budget, obligation, expenditure, and government property data. Given the need for this level of visibility and linkage, as well as the need to include these costs as an integral component of the incentives, all task order CLINs are combined and considered a single entity for the purpose of administering the cost and performance incentives identified in the IRES PEIP (Contract Attachment J-06).

(b)(4) All share ratios are identified as follows (b)(4) Government (b)(4) Contractor. The share ratios are subject to revision in accordance with the IRES PEIP. (b)(4)

NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.

FOB: Destination

PURCHASE REQUEST NUMBER: HQ01 47863428

TARGET COST  
TARGET FEE  
TOTAL TGT COST + FEE  
MINIMUM FEE  
MAXIMUM FEE  
SHARE RATIO ABOVE TARGET  
SHARE RATIO BELOW TARGET

(b)(4)

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104001		

Incremental Funding

ACRN AC

PURCHASE REQUEST NUMBER: HQ0147863530

(b)(4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104002	Incremental Funding	
	ACRN AE	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147864451	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104003	Incremental Funding	
	ACRN AF	(b)(4)
	PURCHASE REQUEST NUMBER: HQ01 47866014	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104004	Incremental Funding	
	ACRN AK	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147967862	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1060		1	Combo		(b)(4)

Expensed CAP: COTS IUS  
CPIF

Contractor purchase of expensed contractor-acquired property (CAP), specifically commercial-off-the-shelf (COTS) internal use software (IUS), necessary to provide the services/capabilities identified in the PWS attached to this task order. CAP is defined in FAR 52.245-1. COTS IUS is a subset of IUS as defined in DoDI 5000.76.

Expensed CAP line items were created as an accounting mechanism designed to provide MDA better visibility and linkage of budget, obligation, expenditure, and government property data. Given the need for this level of visibility and linkage, as well as the need to include these costs as an integral component of the incentives, all task order CLINs are combined and considered a single entity for the purpose of administering the cost and performance incentives identified in the IRES PEIP (Contract Attachment J-06).

(b)(4) All share ratios are identified as follows: (b)(4) Government (b)(4) Contractor. The share ratios are subject to revision in accordance with the IRES PEIP. (b)(4)

NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.

FOB: Destination

PURCHASE REQUEST NUMBER: HQ01 47863428

TARGET COST  
TARGET FEE  
TOTAL TGT COST + FEE  
MINIMUM FEE  
MAXIMUM FEE  
SHARE RATIO ABOVE TARGET  
SHARE RATIO BELOW TARGET

(b)(4)

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106001		

Incremental Funding

ACRNAC

(b)(4)

PURCHASE REQUEST NUMBER: HQ0147863530

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106002	Incremental Funding	
	ACRN AD	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147865640	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106003	Incremental Funding	
	ACRN AF	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147866014	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
7990	Data FFP	1	Lot		NSP
	The contractor shall deliver all data identified in the contract data requirements lists (CDRL) included in the PWS attached to this task order.				
	Reference Section G of the basic contract. At the end of the task order period of performance, the contractor shall submit one Invoicing, Receipt, Acceptance, and Property Transfer (iRAPT) receiving report for all data previously delivered.				
	FOB: Destination				
	PURCHASE REQUEST NUMBER: HQ0147863428				

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NET AMT

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
7991		1	Lot		NSP

Expensed Property Delivery  
FFP

Delivery of expensed property (property that would be considered CAP as defined in FAR 52.245-1 if all line items were cost reimbursement) as required by the IRES Government Property Management Task Order.

NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.

FOB: Destination

PURCHASE REQUEST NUMBER: HQ0147863428

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NET AMT

FSC CD: AC23

Section E - Inspection and Acceptance

INSPECTION AND ACCEPTANCE TERMS

Supplies/services will be inspected/accepted at:

CLIN	INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
1000	Destination	Government	Destination	Government
100001	N/A	N/A	N/A	N/A
100002	N/A	N/A	N/A	N/A
100003	N/A	N/A	N/A	N/A
100004	N/A	N/A	N/A	N/A
100005	N/A	N/A	N/A	N/A
100006	N/A	N/A	N/A	N/A
100007	N/A	N/A	N/A	N/A
100008	N/A	N/A	N/A	N/A
100009	N/A	N/A	N/A	N/A
1040	Destination	Government	Destination	Government
104001	N/A	N/A	N/A	N/A
104002	N/A	N/A	N/A	N/A
104003	N/A	N/A	N/A	N/A
104004	N/A	N/A	N/A	N/A
1060	Destination	Government	Destination	Government
106001	N/A	N/A	N/A	N/A
106002	N/A	N/A	N/A	N/A
106003	N/A	N/A	N/A	N/A
7990	Destination	Government	Destination	Government
7991	Destination	Government	Destination	Government

Section F - Deliveries or Performance

DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	DDAAC / CAGE
1000	POP 05-MAR-2018 TO 30-JUN-2019	N/A	MISSILE DEFENSE AGENCY (MDA) (b)(6) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 (b)(6) FOB: Destination	HQ0796
100001	N/A	N/A	N/A	N/A
100002	N/A	N/A	N/A	N/A
100003	N/A	N/A	N/A	N/A
100004	N/A	N/A	N/A	N/A
100005	N/A	N/A	N/A	N/A
100006	N/A	N/A	N/A	N/A
100007	N/A	N/A	N/A	N/A
100008	N/A	N/A	N/A	N/A
100009	N/A	N/A	N/A	N/A
1040	POP 05-MAR-2018 TO 30-JUN-2019	N/A	MISSILE DEFENSE AGENCY (MDA) (b)(6) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 (b)(6) FOB: Destination	HQ0796
104001	N/A	N/A	N/A	N/A
104002	N/A	N/A	N/A	N/A
104003	N/A	N/A	N/A	N/A
104004	N/A	N/A	N/A	N/A

1060	POP 05-MAR-2018 TO 30-JUN-2019	N/A	MISSILE DEFENSE AGENCY (MDA) (b)(6) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 (b)(6) FOB: Destination	HQ0796
106001	N/A	N/A	N/A	N/A
106002	N/A	N/A	N/A	N/A
106003	N/A	N/A	N/A	N/A
7990	POP 05-MAR-2018 TO 30-JUN-2019	N/A	MISSILE DEFENSE AGENCY (MDA) (b)(6) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 (b)(6) FOB: Destination	HQ0796
7991	POP 05-MAR-2018 TO 30-JUN-2019	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796

Section G - Contract Administration Data

ACCOUNTING AND APPROPRIATION DATA

AA: 044411 097 0400 000 N 20182019 D 2520 YF_ST04P_FY18 AMOUNT: (b)(4)	DT-B02D-FY1819	71DT	255
AB: 044411 097 0400 000 N 20182019 D 2520 YF_ST04P_FY18 AMOUNT: (b)(4)	DT-GIRES-FY1819	71DT	255
AC: 044411 097 0400 000 N 20182019 D 2520 YF_ST04P_FY18 AMOUNT: (b)(4)	DT-GIRES-FY1819	71DT	310
AD: 044411 097 0400 000 N 20182019 D 2520 YF_ST04P_FY18 AMOUNT: (b)(4)	DT-B02H-FY1819	71DT	255
AE: 044411 097 0400 000 N 20182019 D 2520 YF_ST04P_FY18 AMOUNT: (b)(4)	DT-B02H-FY1819	71DT	310
AF: 044411 097 0400 000 N 20172018 D 2520 YF_SC04P_FY17 AMOUNT: (b)(4)	DT-DNOSC-FY1718	71DT	255
AG: 044411 097 0400 000 N 20192020 D 2500 YF_ST04P_FY19 AMOUNT: (b)(4)	DT-GIRES-FY1920	71DT	255
AH: 044411 097 0400 000 N 20192020 D 2500 YF_ST04P_FY19 AMOUNT: (b)(4)	DT-B02D-FY1920	71DT	255
AJ: 044411 097 0400 000 N 20182019 D 2520 SC_ST09P_FY18 AMOUNT: (b)(4)	AT-FTM45-FY1819	71AB	255
AK: 044411 097 0400 000 N 20192020 D 2500 YF_ST04P_FY19 AMOUNT: (b)(4)	DT-GIRES-FY1920	71DT	310
AL: 044411 097 0400 000 N 20192020 D 2500 S3_ST08P_FY19 AMOUNT: (b)(4)	GM-FTG11-FY1920	71GM	255
AM: 044411 097 0400 000 N 20192020 D 2500 XC_SD09P_FY19 AMOUNT: (b)(4)	SE-03-FY1920	71DE	255

ACRN	CLIN/SLIN	CIN	AMOUNT
AA	100001	HQ01478634280001	(b)(4)
AB	100002	HQ01478635300001	
AC	104001	HQ01478635300002	
	106001	HQ01478635300003	
AD	100003	HQ01478644510001	
	106002	HQ01478656400001	
AE	104002	HQ01478644510002	
AF	100004	HQ01478660140001	
	104003	HQ01478660140002	
	106003	HQ01478660140003	
AG	100005	HQ01479666390001	
AH	100006	HQ01479681750001	
AJ	100007	HQ01479684360001	
AK	104004	HQ01479678620001	
AL	100008	HQ01479691820001	
AM	100009	HQ01479690910001	

BILLING INSTRUCTIONS

Payments for CLINs 1000, 1040, and 1060 will be made in accordance with FAR 52.216-7, Allowable Cost and Payment. Payments and the fee payable under the task order are subject to adjustments in accordance with FAR 52.216-10, Incentive Fee, and performance assessments conducted in accordance with the IRES Performance Evaluation and Incentive Plan (Attachment J-06).

In accordance with FAR 52.216-10(c)(1), the Contractor is authorized to bill fee by contract line item number (CLIN) not to exceed the following  $(b)(4)$  of target fee) x (cost billed against the CLIN to date, including this voucher). Overbilling of fee as a result of this change in the billing instructions shall not be refunded to the Government, unless the overbilling cannot be corrected any other way. Instead, fee shall not be billed until the contractor is no longer in an overbilling status. The Contractor shall show the fee calculation by line item on each voucher. All task order CPIF CLINs are combined and considered a single entity for the purpose of administering the cost and performance incentives identified in the IRES PEIP (Contract Attachment J-06).

WAWF email notifications. In accordance with 252.232-7006, the Contractor shall enter the following email addresses in the "Send Additional Email Notifications" field of WAWF once a document is submitted in the system:

CLIN 7990 (b)(6)  
CLIN 7991

## Section I - Contract Clauses

### CLAUSES INCORPORATED BY REFERENCE

52.232-22	Limitation Of Funds	APR 1984
252.211-7003	Item Unique Identification and Valuation	MAR 2016

### CLAUSES INCORPORATED BY FULL TEXT

252.204-0003 LINE ITEM SPECIFIC: CONTRACTING OFFICER SPECIFIED ACRN ORDER. (SEP 2009)

The payment office shall make payment within the line item in the sequence ACRN order specified below, exhausting all funds in the previous ACRN before paying from the next ACRN.

Line Item	ACRN Order
1000	AA, AB, AF, AJ, AL, AM, AH, AG
1040	AC, AE, AK
1060	AC, AD

(End of clause)

### LIMITATION OF FUNDS

Pursuant to the "Limitation of Funds" clause (FAR 52.232-22). The total sum presently available for payment by the Government and allotted each contract line item is:

CLIN 1000:	(b)(4)
CLIN 1040:	
CLIN 1060:	
Total	

Based on the information available to the Government, this amount will cover costs associated with:

CLIN 1000: through 30 June 2019  
CLIN 1040: through 30 June 2019  
CLIN 1060: through 30 June 2019

The contractor shall invoice all CLINs in accordance with DFAR 252.204-0003, Line Item Specific: Contracting Officer Specified ACRN Order (SEP 2009).

### PRICED PERSPECTIVE WORK PACKAG

Priced Prospective Work Packages (PPWPs) represent potential requirements included in this TRD that are priced and negotiated but not yet awarded. The PPWP may be awarded/executed in accordance with clause H-03, Task Orders at a later date with a bilateral modification to the task order if/when the requirement is ultimately needed and funded. The PPWPs negotiated to date are included in Attachment 2 to the Task Order. The below referenced PPWPs have been executed:

Section J - List of Documents, Exhibits and Other Attachments

Exhibit/Attachment Table of Contents

DOCUMENT TYPE	DESCRIPTION	PAGES	DATE
Attachment 1	PWS	40	04-MAR-2019
Attachment 2	TO 9700 PPWP List	1	28-FEB-2018

**Missile Defense Agency**  
**Integrated Research & Development for Enterprise Solutions (IRES)**

**PERFORMANCE WORK STATEMENT**

**28 Feb 2018**

**Contract Number:**

**HQ079617D0001**

**Task Order Title:**

**BMDS Ground Test Operations and Test Resources**

**Task Order Number:**

**HQ079618F9700**

**Period of Performance:**

**5 March 2018 – 30 June 2019**

**Task Order Type: CPIF**

<b>Task Order Revision History</b>
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Rev	Description of Changes	Date
0	Contract Award	28 Feb 2018
A	Period of Performance (PoP) End Date changed from 4 March 2019 to 30 June 2019	4 Mar 2019

## **1.0. Purpose**

Provide for the Planning and Execution of the Ballistic Missile Defense System (BMDS) Ground Tests (GT) using Hardware in the Loop (HWIL) Labs, actual Operational Systems as well as System Pre-Mission Tests (SPMT) in support of future Flight Tests.

- Plan, design, integrate, and execute BMDS Integrated Master Test Plan (IMTP) Campaign GT, SPMT, and rapid response test events.
  - HWIL tests are planned, integrated and executed out of Huntsville, Alabama
  - Distributed tests are planned, integrated and executed out of Colorado Springs, Colorado
- Provide a rapid response capability for emerging ground test requirements and test infrastructure capabilities.

Provide transparent and seamless sustainment support to test related infrastructure at the Missile Defense Integration and Operations Center (MDIOC). Provides the resources, expertise, information systems, applications software, and communication networks to sustain MDA test infrastructure in the development of an integrated, global BMDS to include the following:

- BMDS Laboratory (Lab) for Analysis and Data Evaluation (BMDS FLIGHT TEST FACILITY)
- BMDS Ground Test Center (BGTC)
- BMDS facilities utilized by MDA/DT personnel residing at or deploying to the MDIOC to include rooms within the 2100, 3200, 3300 or 3400 Quads.
- Ground and Flight Test Information Technology (IT), to include hardware and product tools
- Ground and Flight Test communications, to include Wide Area Network (WAN) and Local Area Network (LAN) connectivity
- DTR Event Enclave (DTREE)
- Allied Integration Enclave (AIE)
- BMDS Modeling and Simulation Enclave MDIOC 1 (BME-M1)
- Video recording and distribution system
- BMDS organizational infrastructure for personnel workspace and conference areas
- Test Support Systems (TSS) Hub Center
- Network System Integration and Test Environment (NSITE)
- Flight Test Communication Network (FTCN)
- Test Data Analysis Network (TDAN)
- Mission Control Center (MCC) Facility (MCCF)—MCC-A, MCC-B, MCC-T
  - Test Execution Rooms (A/B)
  - Engineering Support Center (ESC)
  - Test Overflow Room

- Test Mission Control Enclave (TMCE)

## **2.0. Background**

This Task Order is a follow-on to the JRDC Task Orders listed below.

- JRDC TO 2700 BMDS GT
- JRDC TO 3700 BMDS GT
- JRDC TO 5700 BMDS Flt and System Ground Test Ops
- JRDC TO 7700 Test Ops
- JRDC TO 8700 Test Ops
- JRDC TO 9700 BMDS Flight and System Ground Test Operations
- JRDC TO 3702 BMDS Test Resources
- JRDC TO 4703 BMDS FLIGHT TEST FACILITY
- JRDC TO 4705 BMDS Test Resources
- JRDC TO 5703 BMDS FLIGHT TEST FACILITY
- JRDC TO 5705 BMDS Test Resources
- JRDC TO 6703 BMDS FLIGHT TEST FACILITY
- JRDC TO 6705 BMDS Test Resources
- JRDC TO 7703 Test Resources
- JRDC TO 8703 Test Resources
- JRDC TO 9703 Test Resources

This TO will follow the System Engineering and Integration requirements identified in the IRES Systems Engineering and Program Integration (SE&PI) TO.

## **3.0. Scope**

Provide BMDS system ground test support to include planning, designing, execution, and post event activities for MDA IMTP campaign ground tests, and SPMTs. Also included are strategic planning support for ground test events outside the year of execution, strategic planning initiatives to include Continuous Integration/ Continuous Agile Testing. MDA ground test events are planned and scheduled as specified in the Integrated Master Test Plan.

Sustains the following MDA test related infrastructure at the MDIOC.

- BMDS Laboratory (Lab) for Analysis and Data Evaluation (BMDS FLIGHT TEST FACILITY)
- BMDS Flight Test Resources
- BMDS Ground Test Center (BGTC)

## **4.0. Service Summary Items**

In accordance with the IRES Performance Evaluation and Incentive Plan, Service Summary Items (SSIs) 1 through 4 are common [required] on all task orders and will be assessed at the contract level (i.e., all task orders will receive the same rating – one fail all fail model).

SSI 5 – 8 identified below captures the specific task order Service Summary Items deemed essential to successful execution of the task order.

SSI Definition
(b)(4)

(b)(4)

**SSI Definition**

(b)(4)

(b)(4)



(b)(4)



**SSI Definition**

(b)(4)



**SSI Definition**

(b)(4)



(b)(4)



#### **SSI#8 Incident Request Response Times**

(b)(4)



#### **5.0. Contract Deliverable Requirements List (CDRL)**

The point of delivery for all CDRL products, except as noted in Exhibit C, is the MDA E-CaRT system. The contractor shall deliver all such products by saving and profiling them in E-CaRT, with the appropriate notification of delivery letter transmitted electronically to the

Government's Data Management Office. Reference Exhibit C for specific CDRL delivery instructions.

### 5.1. CDRL Identification

Task	CDRL	DID	Title	Description
10.1.1.1.	C001	DI-MGMT-81861A/T	TO HQ079618F9700: Integrated Program Management Report	Contains data for measuring cost and schedule performance. The IPMR is structured around seven formats that contain the content and relationships required for the electronic submissions.
10.1.1.2.	C002	DI-MISC-80508B/T	TO HQ079618F9700: Task Order Status Report, [month ending]	Provides significant accomplishments, issues, concerns, lessons learned, and risks associated with the task order.
Reserved	C003			
10.3.1.10.;	C004	DI-MISC-80508B/T	TO HQ079618F9700: As Run Test Event Integrated Master Schedule (IMS)	A baselined IMS that is initiated after IETT Kickoff meeting. .
10.3.1.16.;	C005	DI-MISC-80508B/T	TO HQ079618F9700: Detailed Test Plan (DTP)	Provides an unclassified overview of the entire test event, and identifies any limitations in the event architecture that will limit the achievement of objectives.
10.5.1.7.;	C006	DI-MISC-80508B/T	TO HQ079618F9700: Flash Report	Details final developmental and operational test runs execution status. Highlights Warfighter support, initial observations, and first-use of assets, software, and hardware in a distributed ground test event. .
10.5.1.8.;	C007	DI-MISC-80508B/T	TO HQ079618F9700: As-run ATC	Document contains changes from the last approved ATC to include test objectives, planned test participants, additional test components, system-under-test overview, test support positions, system pre-mission test, planned test configuration data link network, and change log. .

Task	CDRL	DID	Title	Description
10.5.1.9.;	C008	DI-MISC-80508B/T	TO HQ079618F9700: As-Run Operational Tasking Data Link (OPTASKLINK)	Provides the information necessary for Elements to connect via tactical communications networks.
10.5.1.10.;	C009	DI-MISC-80508B/T	TO HQ079618F9700: As-Run Test Procedures (TPs)	Describes tasks or items that are verified and confirmed, by all test-event participating Elements and on-console operators, to ensure successful test event execution according to the IMS and event budget. Includes pre-test runs, test runs, and post-test runs activities.
10.5.1.11.;	C010	DI-MISC-80508B/T	TO HQ079618F9700: As-Run Test Certification Packages (TCPs)	Includes the As-Run Operational Test Execution Center (OPRTEC) and As-Run Shared Services TCPs. The As-Run OPRTEC TCP certifies the OPRTEC configuration used to support test event execution. The As-Run Shared Services TCP certifies the Shared Services configuration used to support test event execution.
10.6.1.1	C011	DI-MISC-80508B/T	TO HQ079618F9700: Event Cybersecurity Plan (ECsP)	Captures the authorization statuses of all event participant systems, whether those participants have system authorizations from MDA or from organizations outside of MDA (e.g., Army, Navy, Air Force, Defense Security Service (DSS)). The ECsP supports the MDA Authorizing Official (AO) decision to approve the Cybersecurity event architecture and grant an event Interim Authority to Test (IATT). To accurately develop an ECsP, the event architecture must be analyzed and evaluated in order to collect necessary information and artifacts as required by the AO.

Task	CDRL	DID	Title	Description
10.8.1.4. 10.9.4.2 10.10.4.2 10.11.4.2	C012	DI-MISC-80508B/T	TO HQ079618F9700: [Insert Activity Number and Event or Project Title]: Baseline Engineering Documentation	This CDRL contains engineering documentation which potentially includes some or all of the following components: Slide Package, DoDAF Artifacts, Rack Elevation drawings, CONOPS, and Requirements Traceability Matrix (RTM), Version Description Documents, and Floor Plans.
10.9.3.1 10.10.3.1 10.11.3.1	C013	DI-MISC 80508B/T	TO HQ079618F9700: Maintenance & Spare Report	Identifies type, location, and frequency of recurring sustainment activities, the sparing methodology used in establishing a "Recommended Spares Requirement List", and the identification of licensing, maintenance agreements, and renewal documentation of hardware and software assets.
10.9.3.2 10.10.3.2 10.11.3.2	C014	DI-MISC 80508B/T	TO HQ079618F9700: Operational Support Documents: Technology Refresh Plan	The Technology Refresh Plan takes into account the formally documented current state of the hardware necessary to execute business functions, deliver services, and maintain the logical relationships between customers, partners, and suppliers. Primarily, this superset will contain the system architecture, the storage architecture, and the network architecture across the DT Enclaves.
10.12.1	C015	DI-MISC-80508B/T	HQ079618F9700: Assessment and Authorization Documentation	This CDRL contains the documentation required to support C&A activities: Risk Management Framework (RMF) Packages, FISMA Report, DITPR Report, Vulnerability Scan and Compliance Reports, Accreditation Boundaries Report, Boundary Protection Configurations, BMDS RMF Comprehensive Package, DR/COOP

Task	CDRL	DID	Title	Description
				IT Quarterly Tabletop and Annual Exercise Scenarios/Test Plan Packages generated under this TO.

## 5.2. CDRL Tailoring

The DD Form 1423 associated with each CDRL is attached in the following document, Attachment 01.

## 6.0. Milestones

Task	Activity	Date / Days After Contract (DAC)
Multiple	Event Milestones	Referenced in the IMTP and GT Concept of Operations (CONOPS)
10.1.	Baseline Review	5 June 2018

## 7.0. Government Property

### 7.1 TBD

7.2. In addition, the government will provide the following.

- Single Stimulation Framework (SSF) Interface Units (SIU) used in Ground Test
- Cross Domain Solutions
- Network System Integration and Test Environment (NSITE)

## 8.0. Special Requirements

In addition to the Special Requirements identified in IRES Contract SOO, paragraph 7.0, the following are applicable to this task order:

This task order shall be executed in accordance with the MDA security classification guidance up to the classification level of SECRET with Formerly Restricted Data (FRD) handling requirements and NATO SECRET. This task order also requires appropriately cleared individuals to execute mission-essential activities for Outside the Continental United States (OCOUS) GTDs that require access to information that is classified up to and including Top Secret (TS)/Sensitive Compartmented Information (SCI). A limited number of appropriately cleared positions are required to monitor ground test events and provide appropriate analysis to MDA Director and the Warfighter community for subsequent fielding decisions.

Contractor work efforts for this Task Order resides in both Redstone Arsenal (Huntsville, AL) and MDIOC (Colorado Spring, CO). Planning, integration, execution and mission assurance efforts

will be required in both locations. Planning, integration, execution and mission assurance efforts for Distributed events will occur out of MDIOC test facility. Planning, integration, and mission assurance for HWIL events will occur out of Huntsville, AL. During specific mission execution periods, the contractor shall provide System Interface Unit (SIU) Operators in COS to supplement event on console operations for HWIL events executed out of Huntsville, AL.

## 9.0. Applicable Directives / Regulations

In addition to the directives and regulations identified in the IRES Contract SOO, paragraph 8.0, the following are applicable to this task order:

Table 9. Applicable Directives/Regulations			
Title	Originator	Date (MM/DD/YYYY)	Version
Executive Director Memorandum, "Updated Safety Risk Acceptance Authority"	MDA/DX	5/7/2007	Final
MDA Directive 3200.06, Missile Defense Test Data/Information Management	MDA	11/6/2013	Final
MDA Directive 3000.11, Test Policy	MDA/D	1/15/2015	Final
MDA Instruction 3000.07, BMDS Ground Test CONOPS	MDA/DX	8/07/2017	Final
Ground Test Lessons Learned Memo	MDA/DTG	9/30/2015	Final
Integrated Master Test Plan (IMTP)	MDA	x/xx/2017	Version 19.0
Ground Test Executive Review Meeting Minutes Memorandum	MDA/DTG	9/30/2016	Final
Ground Test End of Day Report and Distribution Standard Operating Procedure	MDA/DTG	10/25/2016	Final
Identification, Handling, and Mitigation of Risk Associated with the Execution of BMD Ground Test Standard Operating Procedure	MDA/DTG	10/25/2016	Final
Ballistic Missile Defense System Ground Test Lessons Learned Management Team Guidelines	MDA/DTG	11/18/2016	Final
Change Control Board (CCB) Standard Operating Procedure	MDA/DTG	3/1/2017	Final
Ground Test After Action Review Memorandum	MDA/DTG	10/31/2017	Final

## 10.0. Statement of Objectives and Outcomes

### 10.1. Task Order Administration

This portion of this PWS contains structure, objectives and outcomes with respect to the administration of the Task Order. This PWS element represents the work required to administer the Task Order and the Enterprise Support of the Task Order's work and resources. For this Task Order, work is estimated at this level in the PWS (10.1, 10.2, 10.3, etc.).

#### 10.1.1 Task Order Management

This PWS element represents the work specifically required to support the management of requirements of the overall Task order, which includes all reporting, briefings, awards, modifications, SSIs, etc.

##### 10.1.1.1 Stakeholder Technical Integration Management (STIM) and Systems Engineering and Integration (SEI) Management

**Objective #1:** The contractor shall provide the resources and information to communicate and manage task order performance.

Outcomes:

- Provide a single POC responsible for managing the cost, schedule, risk, and technical performance of the TO.
- Provide a single POC to serve as a liaison to the COTR or Assistant COTR (ACOTR) who is responsible for providing insight on TO performance.
- TO activities are managed in accordance with the IRES Program Management Plan (CDRL TO8002 C008).
- All TO requirements are identified, managed, validated, and verified in accordance with the contractor's IRES Systems Engineering Master Plan.
- A common Enterprise Architecture vision is implemented IRES-wide to support MDA "to-be" architectures, including the identification of gaps and lessons learned.

**Objective #2:** The contractor shall provide task order reporting to accurately monitor status in accordance with CDRL and Milestone requirements.

Outcomes:

- IPMR and TO status report for the TO are delivered per CDRL requirements.
- An Integrated Baseline Review of the TO is performed within 90 days of TO award.
- TO status (e.g., technical, cost, schedule) is reported to the COTR on a monthly basis in accordance with CDRL requirements.
- TO status includes cost and schedule performance by WBS and IRES organization structure; significant accomplishments; customer concerns or issues; TO risks and mitigation status; performance against the IRES contract, SE&PI, and TO SSIs; achievements relative to the utilization goals in the contractor's Small Business Participation and Commitment Plan; quality

assurance reviews, audit results, and non-conformance finding closure reports; safety information.

- TO performance trends are identified, tracked and shared with the COTR, ACOTR, and applicable government stakeholders.
  - Milestone: Integrated Baseline Review
  - CDRL C001: Integrated Program Management Report
  - CDRL C002: Task Order Status Report

#### 10.1.1.2 Responsible Organization Management

**Objective #1:** The contractor shall provide qualified personnel and manage personnel issues to perform TO activities.

Outcomes:

- The workforce is managed efficiently, mitigating workforce surge and drawdown impacts, analyzing workforce trends, and forecasting workforce needs IRES-wide.
- A trained and qualified workforce is maintained that is able to perform the functions necessary to operate, support, and sustain MDIOC facilities and systems.

**Objective #2:** The contractor shall maintain accountability of all property under its control and provide reporting to ensure government situational awareness of property status.

Outcomes:

- A Material Inspection and Receiving Report is submitted as required by DFARS 252.246-7000 for the delivery of all CAP classified as Equipment, Special Test Equipment, and Special Tooling by using the Invoicing, Receipt, Acceptance, and Property Transfer (iRAPT) application in the Wide Area Workflow (WAWF) e-Business Suite in accordance with the instructions provided in the CLIN 7991.

#### 10.1.1.3 Administrative Support

**Objective #1:** The contractor shall provide resources to manage the contractual requirements, and provide financial oversight and performance tracking for the task order.

Outcomes:

- Task Order financial management activities ensure that task order reporting accurately reflect the current state of TO financial performance and status.
- TO contractual deliverables are provided within the agreed to schedule, in the correct formats and to a high level of quality.

#### 10.1.2 Objective: Enterprise Task Order Support

This PWS element represents the work of enterprise support to the Task Order's work and resources.

#### 10.1.2.1 Enterprise Management

**Objective #1:** The contractor shall provide the resources and data to enable enterprise management of this task order for human resources, business/finance, and JEMS in support of integration.

Outcomes:

- IPMR and TO status report for the TO are delivered per CDRL requirements.
- TO status (e.g., technical, cost, schedule) is reported to the COTR on a monthly basis in accordance with CDRL requirements.
- MDA customers and stakeholders have on-demand access to a TO status report dashboard.
- TO export control requirements are managed to comply with DoD and MDA requirements, including International Traffic in Arms Regulations (ITAR) (22 CFR 120-130) and Technical Assistance Agreements processes as required.
- Any individuals requiring access to Government information technology systems have completed Information Assurance Awareness training.
- Personnel performing information assurance functions on national security systems meet the Committee on National Security Systems training requirements.

#### 10.1.2.2 Mission and Performance Assurance

**Objective #1:** The contractor shall perform System Engineering functions to ensure the products and services provided under this TO utilize established Systems Engineering practices that are standardized across the IRES contract in support of the MDA mission.

Outcomes:

- Deliver an Integrated Master Schedule (IMS), in accordance with Integrated Program Management Report (IPMR) requirements, using the contractor's JEMS Portal.
- The TO IMS is integrated into the contractor's IRES Integrated Schedule (IIS).
- Systems Integration requirements and capabilities gaps, lessons learned, and a common MDIOC system vision are integrated enterprise-wide.
- Critical assets are managed, to include conflict forecasting and de-confliction, across the IRES enterprise.

**Objective #2:** The contractor shall track, manage and report on TO performance measures, including metrics, lessons learned and accomplishments.

Outcomes:

- Based on TO performance trends, periodic audits of task estimates are performed, TO risks are tracked, and schedule accuracy is evaluated.
- All TO CDRLs are delivered on time and with accurate information.
- Customer satisfaction with the services and products delivered in this TO is solicited and tracked.
- TO performance is continuously evaluated and improved using objective performance measures.
- TO lessons learned, best practices, and accomplishments are collected and shared with the COTR, ACOTR, other government stakeholders, and IRES workforce.

Objective #3: The contractor shall incorporate Mission Assurance activities into all TO tasks in support of the MDA mission.

Outcomes:

- TO asset configurations are managed in accordance with the IRES Configuration Management Plan (CDRL TO8002 C022).
- TO risks are managed in accordance with the IRES Risk Management Plan (CDRL TO8002 C021).
- The quality of TO activities is assured in accordance with the Quality Assurance Program Plan (CDRL TO8002 C020).
- TO supplies are purchased in accordance with the IRES Supply Chain Risk Management Plan, including the development of a supply chain map and authorized suppliers list for critical systems.

Objective #4: The contractor shall provide information security, physical security, export control and cybersecurity training and processes in accordance with federal, DoD and agency requirements to safeguard the conduct of the MDA mission through the IRES contract.

Outcomes:

- MDA-identified Critical Program Information (CPI) and Critical Technologies (CT) are protected to the standards required in DoDI 5200.39
- TO cybersecurity risks are managed in accordance with the Cybersecurity Risk Management Plan (CDRL TO8002 C016).
- All Controlled Unclassified Information is protected from unauthorized access, disclosure, incident, or compromise.
- All contractor-managed TO systems maintain System Authorization in accordance with DoDI 8510.01, Risk Management Framework.
- Cybersecurity requirements and considerations are integrated into TO systems engineering, design, and risk management processes.

- All contractor-managed TO systems are operated in accordance with cybersecurity requirements.
- Security administration is provided to comply with applicable DoD, MDA, and local security directives, policies, procedures, and instructions for physical security and for the safeguarding of BMDS controlled and classified information, to include proper document marking, classification, storage, accountability, transmittal, and destruction.
- Personnel requiring privileged access maintain appropriate computing environment certifications for the operating system(s) and/or security related tools/devices they support or operate.

Objective #4: The contractor shall promote and enforce safe and sustainable work practices to prevent personnel injury, damage to property or harm to the environment.

Outcomes:

- TO activities are performed in accordance with the Mishap Prevention and Safety Plan (CDRL TO8002 C024) to prevent personnel injury and property damage.
- TO activities are performed in accordance with the Environmental Program Plan (CDRL TO8002 C023) to prevent harm to the environment and maximize sustainable practices.

#### 10.1.2.3 Functional Management and Administrative Support

Objective #1: The contractor shall provide a functional management oversight structure to lead, manage and assign resources within their organization.

Outcomes:

- The Event and Warfighter Support (EWS) Director leads and manages the department to meet IRES and its applicable task orders' requirements.
- The EWS Director delivers IRES products and services which includes the correct people, processes, and tools to meet mission requirements.
- The EWS Directors tactically allocates and strategically forecasts resources within EWS and its applicable task orders to ensure the sustainment, renewal, and growth of the technical expertise within the department that meets current and future requirements.
- The EWS Director mentors and oversees the execution of event engineering, asset operations and sustainment, systems integration, and analysis to ensure the technical success of each task order within the department.

Objective #2: The contractor shall provide functional administrative and management support as required to communicate and deliver enterprise integration.

Outcomes:

- The EWS Department provides training, certifications, and career growth of each employee within the department.
- The EWS Department develops, standardizes, and deploys processes for event engineering, asset operations and sustainment, systems integration, and analysis.

### 10.1.3 Objective: Task Order Award and Modification

Objective #1: The contractor shall provide the resources and data to provide timely and accurate proposals to government requirements for proposal and other contract modification actions.

## 10.2. Strategic Planning

10.2.1. Objective: The contractor shall engage in Continuous Integration/ Continuous Agile Testing (CI/CAT) planning.

Outcome:

10.2.1.1. Provide technical inputs into the implementation of CI/CAT to include: CI/CAT CONOPS development, CI/CAT Resource Management Requirements, CI/CAT Process Development.

10.2.2. Objective: The contractor shall engage in long-term strategic planning for ground test initiatives.

Outcome:

10.2.2.1. Provide technical inputs to long-term strategic initiatives for the BMDS ground test mission to include Ground Test requirements for future Combined Test Center building, Network Improvement initiatives and near and long-term ground test process improvements.

## 10.3. Test Planning

Assist in the implementation of BMDS Test Policy (MDA Directive 3002.03) by providing test event planning for Distributed and HWIL system level ground tests, SPMT and Rapid Response Sprint Events.

10.3.1. Objective: Event Planning. The contractor shall assist with detailed event planning and coordination of all BMDS HWIL and Distributed ground tests under direction of the government. The contractor shall provide initial draft documentation, assist with external stakeholder coordination, and assist with the integration of products and requirements across the test event life cycle (Phases 1–4) in accordance with BMDS Ground Test CONOPS.

Outcomes:

10.3.1.1. Coordinate scheduling of OPRTEC and 2100 Quad activities for test execution periods.

10.3.1.2. Develop and maintain the System Under Test (SUT) configuration.

10.3.1.3. Review and provide inputs to other critical test event documentation (i.e., Analysis Execution Plan (AEP), DHP, IDMP, and TO Memo) developed by non- IRES contract stakeholders.

10.3.1.4. Conduct Asset Management through the BMDS Operations Schedule Weekly Activity (BOSWAM). **(Distributed Events Only)**

10.3.1.5. Develop the TADIL Systems Operational Test (TSOT) coordinating that all tactical digital links are active and configured IAW the OPTASKLINK. **(Distributed Events Only)**

10.3.1.6. Provide technical input and comments to the Executive-Level Briefs to include pre-briefs.

10.3.1.7. Provide technical input and comments to the Executive-Level Brief review minutes.

10.3.1.8. Review, comment and coordinate on test objectives and scenario development.

10.3.1.9. Develop and document event architecture in accordance with TO Memo.

10.3.1.10. Develop and maintain a detailed test event IMS throughout all phases of the test event in order to outline all necessary milestones, activities, and critical paths in accordance with the GAO Schedule Assessment Guide (GAO-12-120G, May 2012). Updates shall be provided at least monthly for the IETT Meetings.

- CDRL C004: TO HQ079618F9700: As-Run Test Event IMS

10.3.1.11. Support weekly/bi-weekly Event Status Meetings.

10.3.1.12. Support monthly IETT Meetings.

10.3.1.13. Gain approval of the MDA/IC event freeze request.

10.3.1.14. Develop and manage the ATC.

10.3.1.15. 10.3.1.15 Develop and coordinate the event architecture to include test case specific and over-arching event architectures and documentation, including cross-domain solution (CDS) considerations.

10.3.1.16. Develop, coordinate, and deliver the Detailed Test Plan (DTP).

- CDRL C005: TO HQ079618F9700: DTP

10.3.1.17. Develop and coordinate the Test Procedures for console operations.

10.3.1.18. Develop and coordinate the Test Procedures for console operations.

10.3.1.19. Develop, coordinate and maintain the OPTASKLINK. Define the parameters needed for each Link 16 participant to connect and share information with other test participants, including CDS considerations.

10.3.1.20. In accordance with MDA/DTG's Change Control Board SOP, assist Mission Director (MD) and Systems Mission Manager (SMM) by providing preliminary results, scheduling, and implementing the CR process.

#### 10.4. Test Integration

Assist in the implementation of BMDS Test Policy (MDA Directive 3002.03) by providing integration testing for Distributed and HWIL system level ground tests, SPMT and Rapid Response Sprint Events.

10.4.1. Objective: The contractor shall provide operator and on-site coordinators to conduct integration testing. In addition, the contractor shall provide technical input to daily run matrix generation and end of day Hot Washes.

Outcomes:

10.4.1.1. Provide operators and on-site coordinators to perform TCI and Event Architecture Certification (EAC) with event test cases.

10.4.1.2. Provide operators and on-site coordinators to perform Phase IIA and Phase IIB Testing with event test cases. **(NORTHCOM/PACOM HWIL Events Only)**.

10.4.1.3. Provide technical input to the daily run matrix during MDA/DT EAC.

#### 10.5. Test Execution

Assist in the implementation of BMDS Test Policy (MDA Directive 3002.03) by providing event execution for Distributed and HWIL system level ground tests, SPMT and Rapid Response Sprint Events.

10.5.1. Objective: Test Execution. The contractor shall provide operator during Dry Runs and Runs-for-Record testing under the direction of the Government.

Outcomes:

10.5.1.1. Provide operators for on-console operations in the Advanced Research Center (ARC) and Ballistic Missile Defense System Ground Test Center Missile Defense System Ground Test Center (BGTC). **(HWIL Events Only)**

10.5.1.2. Provide operators for on-console operations in the BGTC. **(Distributed Events Only)**

10.5.1.3. Provide necessary test controller and SIU operators.

10.5.1.4. Control access to the MDIOC test facilities.

10.5.1.5. Provide technical input to the daily run matrix.

10.5.1.6. Provide technical input to the EOD Summary and daily tag-up.

10.5.1.7. Generate a Flash Report detailing final execution status.

- CDRL C006: TO HQ079618F9700: Flash Report

10.5.1.8. Develop and coordinate an As-Run ATC based on additional or changed information from stakeholders. This document shall include the final event architecture.

- CDRL C007: TO HQ079618F9700: As-Run ATC

10.5.1.9. Develop and deliver the As-Run OPTASKLINK based upon final test case configurations executed in the event.

- CDRL C008: TO HQ079618F9700: As-Run OPTASKLINK

10.5.1.10. Develop and deliver the As-Run TPs based upon final test case configurations executed in the event.

- CDRL C009: TO HQ079618F9700: As-Run TPs

10.5.1.11. Develop and deliver the As-Run OPRTEC and Shared Services TCPs executed in the event.

- CDRL C010: TO HQ079618F9700: As-Run OPRTEC and Shared Services TCPs

## **10.6. Test Mission Assurance**

Assist in the implementation of BMDS Test Policy (MDA Directive 3002.03) by providing event Mission Assurance for Distributed and HWIL system level ground tests, SPMT and Rapid Response Sprint Events.

10.6.1. Objective: Test Mission Assurance. The contractor shall ensure the event has an Interim Approval to Test (IATT) and provide test event-specific configuration control. The contractor shall ensure Risk, Lessons Learned and System Test Observation processes are implemented throughout the lifecycle of the event.

Outcomes:

10.6.1.1. Develop and coordinate the Event Cybersecurity Plan (ECsP).

- CDRL C011: TO HQ079618F9700: ECsP

10.6.1.2. Manage event configuration of BGTC.

10.6.1.3. Provide and monitor seals for assets defined on the CAL at MDIOC and other asset locations.

10.6.1.4. Provide the OPRTEC and Shared Services Test Configuration Package (TCP) for the BGTC.

10.6.1.5. Provide technical input in accordance with MDA/DTG Risk, System Test Observations, and Lessons Learned processes.

10.6.1.6. Provide technical input to the MDA/DTG Risk Management process to include identification and documentation of event risks, development and tracking of mitigation strategies.

## **10.7. Reserved**

## **10.8. Test Infrastructure Rapid Response**

The purpose of this task is to provide rapid response capabilities for test infrastructure capabilities. Each project shall be defined through a Mission Support Task (MST). After the MST is issued the contractor shall provide an engineering estimate, engineering artifacts, and implementation plan to the COTR as outlined in the MST. Upon stakeholder agreement the Contracting Officer will provide an authority to proceed for the contractor to execute and complete the project. The contractor shall establish a discrete work package for each MST. All MSTs will be identified in the PWS at 10.8.2 thru "n" and added to Attachment 1 to the PWS. The Task Change Requirement (TCR) process shall be followed when there is a need to document and communicate a potential cost, schedule, or requirements change to the MST.

10.8.1. Objective: The contractor shall implement upgrades, enhancements, reconfigurations, and surge tasking as directed in the MST.

### **Outcomes:**

10.8.1.1. Provide customer coordination and communications and respond to requests for information and problem resolution.

10.8.1.2. Initiate requirements planning activities. Plan and develop sequenced, resource-loaded schedules. Provide a Requirements Traceability Matrix type document.

10.8.1.3. Develop design solutions and conduct design reviews for government approval.

10.8.1.4. Develop, maintain, and coordinate technical documentation to include Technical Data Packages, engineering drawings, and interface control specifications for existing systems that require documentation or as a result of newly developed and/or modified systems.

CDRL C012: TO HQ079618F9700: Baseline Engineering Documentation

10.8.1.5. Complete project close out activities.

10.8.1.6. Provide all closeout documentation to include a project summary, the final resource-loaded schedule, and an element of cost summary for each project in the in the monthly Task Order Status Review report (CDRL C002) in the month the project is completed.

PPWPs

- 10.8.1.7. Execute an additional rapid response activity that requires a mixture of high labor and minor IT requirements. This PPWP may be executed up to 10 times.
- 10.8.1.8. Execute an additional rapid response activity that requires a mixture of low labor and high IT requirements. This PPWP may be executed up to 10 times.
- 10.8.1.9. Execute an additional rapid response activity that requires an equal mix of labor and IT requirements. This PPWP may be executed up to 10 times.

#### **10.9. BMDs Lab for Analysis and Data Evaluation (BLADE) Mission and Infrastructure**

10.9.1. Objective: Scheduling. The contractor shall facilitate the reporting and scheduling of facility maintenance, inspection, and cleaning requirements that are performed under other IRES task orders or MDIOC contracts.

Outcomes:

- 10.9.1.1. Coordinate, facilitate, and provide access to the BLADE for personnel not permanently authorized within the BLADE, for facility inspections, cleaning crews, VIP visits, project-related visits and inventory activities.
- 10.9.1.2. Coordinate across other IRES task orders and with vendors and other government customers to facilitate the facility and IT work schedules with the stakeholders for activities which occur in the BLADE mission space boundaries that are not defined within the scope of this task order.

10.9.2. Objective: Security Management. The contractor shall perform security management functions to ensure compliance with MDIOC, MDA and DoD standards.

Outcomes

- 10.9.2.1. Manage access control to controlled areas within the BLADE.
- 10.9.2.2. Manage and process incoming and outgoing Visit Authorization Requests.
- 10.9.2.3. Maintain and manage open storage certification requirements. Provide guidance to occupants on the Security Classification requirements. Receive, generate and reproduce classified material up to the SECRET classification.
- 10.9.2.4. Perform duties as the Security Assistant as defined in the Standard Operating Procedure (SOP). Coordinate for the Security Manager with Missile Defense Agency Security Department (MDA/EIR) Security Personnel of all physical and information security issues and tasks. Develop and maintain SOP documentation in accordance with the standard MDA/EIR procedures.

10.9.3. Objective: Mission Operations and Capability Sustainment. The contractor shall provide services necessary for the sustainment of mission systems and capabilities. Sustainment activities include network management, proactive/corrective maintenance, hardware and software refresh in accordance with government approved refresh plan, break/fix service restoration, system check-out, Install-Move-Add-Change (IMAC) services (scheduling and installation of hardware and software and associated changes to configuration, de-installation, relocation, and testing) that enhance current capabilities without adding new capabilities, and engineering services for the following BLADE assets:

- Computing systems (Automated Data Processing Equipment [ADPE]) hardware and software
- Product Integration Center (PIC)
  - 3303-05 PIC A
  - 3303-04 PIC B
  - 3303-04 PIC C
- Multi-Function Center
- Network System Integration and Test Environment (NSITE) Enclave
- Test Data Analysis Network (TDAN)
- Voice Over Internet Protocol (VoIP) Phones
- Audio Visual (A/V) distribution system

Outcomes:

10.9.3.1. Maintain and refresh hardware, software and current capabilities in accordance with industry best maintenance practices ensuring an appropriate mix between inspection, proactive, and corrective maintenance, repair, and replacement to maintain availability of systems, equipment and networks. Document and execute maintenance plans, schedules, and performance expectations. Utilize system performance and maintenance trending analysis to manage the maintenance program. Develop sparing methodology based upon mission criticality, frequency of use, acquisition lead-time, and vendor support criteria. Monitor approved spare levels and recommend procurement action to replenish stock. Manage and maintain currency on all licensing and update services for third-party software, software drivers, and diagnostic software. Report any lapse in hardware service agreements or software licenses in the monthly Task Order Status Review (CDRL C003).

CDRL C013: Maintenance and Spare Report

10.9.3.2. Develop criteria for technology refresh of hardware, software, and current capabilities in accordance with industry best practices to ensure availability. Leverage MDA

Information Technology (IT) support policy to minimize investments for IT hardware and software above MDA standards. Manage and provide the government with real-time access to a database that conforms to Defense Property Accountability System (DPAS) requirements identifying the location and acquisition details for all BLADE acquired assets. Implement an integrated approach to operate and manage all BLADE hardware and software investments that provides for the continuous identification, selection, control, life-cycle management, and evaluation of the investments in a structured process resulting in a systematic method to maximize investment return and allow predictable budgeting.

**CDRL C014: Operational Support Documentation: Technology Refresh Plan**

**10.9.3.3. Mission Critical Functionality.** Maintain continuous situational awareness to anticipate problems and react to prevent or minimize mission degradation to ensure availability of mission functionality during Ground Tests and Flight Tests, from integration testing through completion of test execution. Exhibit agility in response to urgent operational needs and affect management of IT infrastructure and capabilities. Repair activities communicated, initiated, conducted, and completed with minimal impact to missions. Mission Critical Functionalities are listed in the following table. Record monthly availability data for all critical functions in the monthly TOSR (CDRL C003).

Critical Function	Critical Sub Functions	Location
Audio Visual (by event)	a. Event video to specified MDIOC locations b. Event audio to specified MDIOC locations c. VTC system capability in specified MDIOC locations	3200 Quad
Voice Communication (by event)	a. Secure communications capability for specified number of users b. Non-Secure communications capability for specified number of users c. SIPR Chat connectivity for specified number of users d. Clear Com communications capability for specified number of users e. Secure communications cleared for non-US event participants as specified for the event f. Non-secure communications for non-US event participants as specified for the event	3200 Quad
Network Communication	a. Data transfer (send /receive) in accordance with specified event architecture	3200 Quad

**Table 10.1 Critical Functions for the BLADE**

**10.9.3.4. Degradations/failures of systems and IMAC services** responded to as outlined in Table 10.2, in order to maintain mission availability. A summary of degradations/failures, to include the incident response times and root-cause analysis annotated in the monthly Task Order Status Review (CDRL C003).

- SSI Measurement of mission critical functions: This is listed as SSI 4 in Appendix X and is the measure the availability of the critical assets during Test Execution that provide the critical functions required for Test Execution

<b>BLADE Operations (Task Order 9700) – Response Time Objectives</b>				
<b>Objective Area</b>	<b>Initial Response</b>	<b>ETR</b>	<b>Situation Report</b>	<b>Action Completed</b>
Recurring Maintenance	As Scheduled	N/A	N/A	As Scheduled
Incident Request (Degradation/Failure)				
- Mission Critical Functionality (Core Hours)	30 min	1 hour	6 hours	24 hours
- Mission Critical Functionality (Non-Core Hours)	2 hours	4 hours	6 hours	24 hours
- Non-Mission Critical Functionality (Core Hours)	8 hours	24 hours	N/A	72 hours
IMAC Services				
- Urgent (Requested during FT) *	N/A	N/A	N/A	8 hours
- Routine (Requested during FT)	N/A	N/A	N/A	1 day
- Routine	N/A	N/A	N/A	14 days
<p>*Note: Urgent is typically defined as support for flag, general officer, SES and IETT personnel as defined by the government before the event.</p> <p>Mission Critical Functionality Core Hours: Test Execution Event Times  Mission Critical Functionality Non-Core Hours: Non Test Execution Event Times  Non-Mission Critical Functionality Core Hours: 0800-1700  Non-Mission Critical Functionality Non-Core Hours: 1700-0800. Reported the following business day.</p>				

Table 10.2

10.9.3.5. Include the identification, scheduling, coordination, documentation and execution of services performed under this objective in an on-line centrally managed database that is available to the COTR/ACOTR. Provide a summary of all workload data on a quarterly basis in the monthly Task Order Status Report (CDRL C003).

10.9.3.6. Complete/submit/track new software, net-worthiness evaluation requests to MDA Information Assurance and route software requests per MDA required software management process.

10.9.3.7. Achieve reductions in life-cycle costs of equipment through the use of alternatives in system configurations through the utilization of current technology components, adoption of common equipment to multiple requirements, or the application

or the implementation of new approaches to system development and support. Provide a quarterly update in the Task Order Status Review (CDRL C003).

#### PPWP

10.9.3.8. Operational enhancements and upgrades. Upgrade, enhance and refresh hardware and software to increase current capabilities above the established baseline. This PPWP can be executed up to 7 times.

10.9.4. Objective. Configuration Management and Asset Control. The Contractor shall provide facility and equipment configuration control and identification and scheduling of test assets during planned events. The contractor shall examine, evaluate, and monitor baseline HW/SW to maintain version control integrity.

#### Outcomes:

10.9.4.1. Plan, coordinate and execute freeze waivers through the MDIOC's Work Screening Team.

10.9.4.2. Maintain positive configuration management control for the BLADE areas and its associated, cabling, systems, operating procedures, and assets. Develop and provide baselined systems artifacts (e.g. Interface Control Documents, Network Interface Control Documents, schematic, functional system overlay and architectural drawings compliant with DoDAF v2.0, etc.) that clearly diagram and articulate the system or components performance, function, and physical attributes and functional relation between parts, subsystems, and systems.

#### CDRL C012: Baseline Engineering Documentation

10.9.4.3. Maintain conformance to a configuration management/system engineering process to ensure standards are established to control and manage, in optimum condition, system capabilities.

10.9.4.4. Maintain monthly operations schedules of all assets within Ground Test, Flight Test and the BLADE areas. Provide all schedules in the monthly Task Order Status Review (CDRL C003).

10.9.4.5. Ensure integration of NSITE into required test event architecture.

### 10.10. BMDS Flight Test Resources

10.10.1. Objective: Scheduling. The contractor shall facilitate the reporting and scheduling of facility maintenance, inspection, and cleaning requirements that are performed under other IRES task orders.

#### Outcomes:

10.10.1.1. Coordinate across other IRES task orders and with vendors and other government customers to facilitate the facility and IT work schedule with the stakeholders for activities which occur in the BMDS Flight Test Facility mission space boundaries that is not defined within the scope of this task order.

10.10.1.2. Plan, coordinate and execute freeze waivers through the MDIOC's Work Screening Team

10.10.2. Objective: Security Management (not required).

10.10.3. Objective: Mission Operations and Capability Sustainment. The contractor shall provide services necessary for the sustainment of mission systems and capabilities. Sustainment activities include network management, proactive/corrective maintenance, hardware and software refresh, government approved refresh plan, break/fix service restoration, system check-out, IMAC services (scheduling and installation of hardware and software and associated changes to configuration, de-installation, relocation, and testing) that enhance current capabilities without adding new capabilities, and engineering services for the following Flight Test assets:

- MCC-T 3401-10
- MCC-A 3404-02
- MCC-B 3401-02
- Test Execution Rooms
  - Pagosa 3101-05
  - Denver 3401-05
- Engineering Support Center (ESC) 3401-03
- 315 (Outer Hall)
- FTCN 3401-11
- TMCE 3401-08
- Video recording and distribution system
- TSS 3410

Outcomes:

10.10.3.1. Maintain and refresh hardware, software and current capabilities in accordance with industry best maintenance practices ensuring an appropriate mix between inspection, proactive, and corrective maintenance, repair, and replacement to maintain availability of systems, equipment and networks. Document and execute maintenance plans, schedules,

and performance expectations. Utilize system performance and maintenance trending analysis to manage the maintenance program. Develop sparing methodology based upon mission criticality, frequency of use, acquisition lead-time, and vendor support criteria. Monitor approved spare levels and recommend procurement action to replenish stock. Manage and maintain currency on all licensing and update services for third-party software, software drivers, and diagnostic software. Report any lapse in hardware service agreements or software licenses in the monthly Task Order Status Review (CDRL C003).

#### CDRL C013: Maintenance and Spare Report

10.10.3.2. Develop criteria for technology refresh of hardware, software, and current capabilities in accordance with industry best practices to ensure availability. Leverage MDA Information Technology (IT) support policy to minimize investments for IT hardware and software above MDA standards. Manage and provide the government with real-time access to a database that conforms to Defense Property Accountability System (DPAS) requirements identifying the location and acquisition details for all Flight Test acquired assets. Implement an integrated approach to operate and manage all Flight Test hardware and software investments that provides for the continuous identification, selection, control, life-cycle management, and evaluation of the investments in a structured process resulting in a systematic method to maximize investment return and allow predictable budgeting.

- CDRL C014: Operational Support Documentation: Annual Technology Refresh Plan

10.10.3.3. Mission Critical Functionality. Maintain continuous situational awareness to anticipate problems and react to prevent or minimize mission degradation to ensure availability of mission functionality during Ground Tests and Flight Tests. Exhibit agility in response to urgent operational needs and affect management of IT infrastructure and capabilities. Repair activities communicated, initiated, conducted, and completed with minimal impact to missions. Mission Critical Functionalities are listed in the following table. Record monthly availability data for all critical functions in the monthly TOSR. (CDRL C003).

Critical Function	Critical Sub Functions	Location
Audio Visual (by event)	a. Event video to specified MDIOC locations b. Event audio to specified MDIOC locations c. VTC system capability in specified MDIOC locations d. Video recording and distribution system record / playback capabilities	3200 Quad
Voice Communication (by event)	a. Secure communications capability for specified number of users b. Non-Secure communications capability for specified number of users c. SIPR Chat connectivity for specified number of users d. Clear Com communications capability for specified number of users e. Secure communications cleared for non-US event participants as specified for the event f. Non-secure communications for non-US event participants as specified for the event	
Network Communication	a. Data transfer (Send /receive) in accordance with specified event architecture	

Table 10.3 Critical Functions for Flight Test

10.10.3.4. Degradations/failures of systems and IMAC services responded to as outlined in Table 10.4, in order to maintain mission availability. A summary of degradations/failures, to include the incident response times and root-cause analysis annotated in the monthly Task Order Status Review (CDRL C003).

Flight Test Operations (Task Order 9700) – Response Time Objectives				
Objective Area	Initial Response	ETR	Situation Report	Action Completed
Recurring Maintenance	As Scheduled	N/A	N/A	As Scheduled
Incident Request (Degradation/Failure)				
- Mission Critical Functionality (Core Hours)	30 min	1 hour	6 hours	24 hours
- Mission Critical Functionality (Non-core Hours)	2 hours	4 hours	6 hours	24 hours
- Non-Mission Critical Functionality (Core Hours)	8 hours	24 hours	N/A	72 hours

IMAC Services				
- Urgent (Requested during FT)*	N/A	N/A	N/A	8 hours
- Routine (Requested during FT)	N/A	N/A	N/A	1 day
- Routine				14 days
<p>*Note: Urgent is typically defined as support for flag, general officer, SES and IETT personnel as defined by the government before the event.</p> <p>Mission Critical Functionality Core Hours: Test Execution Event Times  Mission Critical Functionality Non-Core Hours: Non-Test Execution Event Times  Non-Mission Critical Functionality Core Hours: 0800-1700  Non-Mission Critical Functionality Non-Core Hours: 1700-0800. Reported the following business day.</p>				

Table 10.4

10.10.3.5. Include the identification, scheduling, coordination, documentation and execution of services performed under this objective in an on-line centrally managed database that is available to the COTR/ACOTR. Provide a summary of all workload data on a quarterly basis in the monthly Task Order Status Report (CDRL C003).

10.10.3.6. Complete/submit/track new software, net-worthiness evaluation requests to MDA Information Assurance and route software requests per MDA required software management process.

10.10.3.7. Achieve reductions in life-cycle costs of equipment through the use of alternatives in system configurations through the utilization of current technology components, adoption of common equipment to multiple requirements, or the application or the implementation of new approaches to system development and support. Provide a quarterly update in the Task Order Status Review (CDRL C003).

10.10.3.8. Provide Tier II help desk support during Flight Test Execution. Ensure knowledge base maintenance and development enabling first call resolution of help desk calls.

#### PPWP

10.10.3.9. Operational enhancements and upgrades. Upgrade, enhance and refresh hardware and software to increase current capabilities above the established baseline. This PPWP can be executed up to 7 times

10.10.4. Objective: Configuration Management and Asset Control. The Contractor shall provide facility and equipment configuration control and identification and scheduling of test assets during planned events. The contractor shall examine, evaluate, and monitor baseline HW/SW to maintain version control integrity.

Outcomes:

10.10.4.1. Plan, coordinate and execute freeze waivers through the MDIOC's Work Screening Team.

10.10.4.2. Maintain positive configuration management control for the BLADE areas and its associated, cabling, systems, operating procedures, and assets. Develop and provide baselined systems artifacts (e.g. Interface Control Documents, Network Interface Control Documents, schematic, functional system overlay and architectural drawings compliant with DoDAF v2.0, etc.) that clearly diagram and articulate the system or components performance, function, and physical attributes and functional relation between parts, subsystems, and systems.

- CDRL C012: Baseline Engineering Documentation

10.10.4.3. Maintain conformance to a configuration management/system engineering process to ensure standards are established to control and manage, in optimum condition, system capabilities.

10.10.4.4. Maintain monthly operations schedules of all assets within Ground Test, Flight Test and the BLADE areas. Provide all schedules in the monthly Task Order Status Review (CDRL C003).

10.10.4.5. Ensure integration of NSITE into required test event architecture.

10.10.4.6. Provide Asset Management, Event Coordination, and Mission Planning support during defined flight test phases as required.

## **10.11. BMDS Ground Test Resources**

10.11.1. Objective: Scheduling. The contractor shall facilitate the reporting and scheduling of facility maintenance, inspection, and cleaning requirements that are performed under other IRES task orders.

Outcomes:

10.11.1.1. Coordinate, facilitate, and provide access to the BMDS Ground Test Facility for personnel not permanently authorized within the Facility, for facility inspections, cleaning crews, VIP visits, project-related visits and inventory activities.

10.11.1.2. Coordinate across other IRES task orders and with vendors and other government customers to facilitate the facility and IT work schedule with the Stakeholders for activities which occur in the Ground Test mission space boundaries that is not defined within the scope of this task order.

10.11.1.3. Identify and mitigate/de-conflict work that will occur in the BMDS Ground Test Facility mission space boundaries that is not defined within the scope of this task order

10.11.1.4. Plan, coordinate and execute freeze waivers through the MDIOC's Work Screening Team.

10.11.1.5. Report to the MDIOC Service Desk when classified and unclassified printers are not operational and facilitate paper and toner replacements.

10.11.1.6. Ensure the "Unclassified Sensitive/FOUO/Proprietary Information" recycle bins are serviced through the MDIOC Service Desk.

10.11.2. Objective: Security Management. The contractor shall perform security management functions to ensure compliance with MDIOC, MDA and DoD standards.

Outcomes:

10.11.2.1. Manage access control to controlled areas within the BMDS Ground Test Area.

10.11.2.2. Manage and process incoming and outgoing Visit Authorization Requests.

10.11.2.3. Maintain and manage open storage certification requirements. Provide guidance to occupants on the Security Classification requirements. Receive, generate and reproduce classified material up to the SECRET classification.

10.11.2.4. Perform duties as the Security Assistant as defined in the Standard Operating Procedure (SOP). Coordinate for the Security Manager with Missile Defense Agency Security Department (MDA/EIR) Security Personnel of all physical and information security issues and tasks. Develop and maintain SOP documentation in accordance with the standard MDA/EIR procedures.

10.11.2.5. Perform block captain activities in accordance with latest government directions.

10.11.3. Objective: Mission Operations and Capability Sustainment. The contractor shall provide services necessary for the sustainment of mission systems and capabilities. Sustainment activities include network management, proactive/corrective maintenance, hardware and software refresh, government approved refresh plan, break/fix service restoration, system check-out, IMAC services (scheduling and installation of hardware and software and associated changes to configuration, de-installation, relocation, and testing) that enhance current capabilities without adding new capabilities, and engineering services for the following Ground Test assets:

- DTR Event Enclave (DTREE)
- Ground Test Computing systems (ADPE) hardware and software
- Ground Test Voice over Internet Protocol (VoIP)
- Ground Test Communications data and voice networks
- Ground Test A/V distribution

- North American Aerospace Defense Command (NORAD) Northern Command (NORTHCOM) Command Center (N2C2) Representation
- Operational (OPR) Test Execution Center (TEC)
- Distributed TEC (DTEC)
- Ground Test White Cell
- ST(s) (C2BMC System Test Suite) A/V distribution, infrastructure, and VoIP only
- Ground Test Cross Domain Solution (CDS)
- NSITE Enclave
- Ground Test based and specialty networks

#### Outcomes:

**10.11.3.1.** Maintain and refresh hardware, software and current capabilities in accordance with industry best maintenance practices ensuring an appropriate mix between inspection, proactive, and corrective maintenance, repair, and replacement to maintain availability of systems, equipment and networks. Document and execute maintenance plans, schedules, and performance expectations. Utilize system performance and maintenance trending analysis to manage the maintenance program. Develop sparing methodology based upon mission criticality, frequency of use, acquisition lead-time, and vendor support criteria. Monitor approved spare levels and recommend procurement action to replenish stock. Manage and maintain currency on all licensing and update services for third-party software, software drivers, and diagnostic software. Report any lapse in hardware service agreements or software licenses in the monthly Task Order Status Review (CDRL C003).

- CDRL C013: Maintenance and Spare Report

**10.11.3.2.** Develop criteria for technology refresh of hardware, software, and current capabilities in accordance with industry best practices to ensure availability. Leverage MDA Information Technology (IT) support policy to minimize investments for IT hardware and software above MDA standards. Manage and provide the government with real-time access to a database that conforms to Defense Property Accountability System (DPAS) requirements identifying the location and acquisition details for all Ground Test acquired assets. Implement an integrated approach to operate and manage all Ground Test hardware and software investments that provides for the continuous identification, selection, control, life-cycle management, and evaluation of the investments in a structured process resulting in a systematic method to maximize investment return and allow predictable budgeting.

- CDRL C014: Operational Support Documentation: Technology Refresh Plan

10.11.3.3. Mission Critical Functionality. Maintain continuous situational awareness to anticipate problems and react to prevent or minimize mission degradation to ensure availability of mission functionality during Ground Tests and Flight Tests. Exhibit agility in response to urgent operational needs and affect management of IT infrastructure and capabilities. Repair activities communicated, initiated, conducted, and completed with minimal impact to missions. Mission Critical Functionalities are listed in the following table. Record monthly availability data for all critical functions in the monthly TOSR. (CDRL C003)

Critical Function	Critical Sub Functions	Location
Audio Visual (by event)	a. Event video to specified MDIOC locations b. Event audio to specified MDIOC locations c. VTC system capability in specified MDIOC locations	2100 Quad
Voice Communication (by event)	a. Secure communications capability for specified number of users b. Non-Secure communications capability for specified number of users c. SIPR Chat connectivity for specified number of users d. Clear Com communications capability for specified number of users e. Secure communications cleared for non-US event participants as specified for the event f. Non-secure communications for non-US event participants as specified for the event	
Network Communication	a. Data transfer (send /receive) in accordance with specified event architecture	

Table 10.5 Critical Functions for Ground Test

10.11.3.4. Degradations/failures of systems and IMAC services responded to as outlined in Table 10.6, in order to maintain mission availability. A summary of degradations/failures, to include the incident response times and root-cause analysis annotated in the monthly Task Order Status Review (CDRL C003).

Ground Test Operations (Task Order 9700) – Response Time Objectives				
Objective Area	Initial Response	ETR	Situation Report	Action Completed
Recurring Maintenance	As Scheduled	N/A	N/A	As Scheduled
Incident Request				

- Mission Critical Functionality (Core Hours)	30 min	1 hour	6 hours	24 hours
- Mission Critical Functionality (Non-Core Hours)	2 hours	4 hours	6 hours	24 hours
- Non-Mission Critical Functionality (Core Hours)	8 hours	24 hours	N/A	72 hours
IMAC Services				
- Urgent (Requested during GT)*	N/A	N/A	N/A	8 hours
- Routine (Requested during GT)	N/A	N/A	N/A	1 day
- Routine	N/A	N/A	N/A	14 days
<p>*Note: Urgent is typically defined as support for flag, general officer, SES and IETT personnel as defined by the government before the event.</p> <p>Mission Critical Functionality Core Hours: Test Execution Event Times  Mission Critical Functionality Non-Core Hours: Non Test Execution Event Times  Non-Mission Critical Functionality Core Hours: 0800-1700  Non-Mission Critical Functionality Non-Core Hours: 1700-0800. Reported the following business day.</p>				

Table 10.6

10.11.3.5. Include the identification, scheduling, coordination, documentation and execution of services performed under this objective in an on-line centrally managed database that is available to the COTR/ACOTR. Provide a summary of all workload data on a quarterly basis in the monthly Task Order Status Report (CDRL C003).

10.11.3.6. Complete/submit/track new software, net-worthiness evaluation requests to MDA Information Assurance and route software requests per MDA required software management process.

10.11.3.7. Achieve reductions in life-cycle costs of equipment through the use of alternatives in system configurations through the utilization of current technology components, adoption of common equipment to multiple requirements, or the application or the implementation of new approaches to system development and support. Provide a quarterly update in the Task Order Status Review (CDRL C003).

#### PPWP

10.11.3.8. Operational enhancements and upgrades. Upgrade, enhance and refresh hardware and software to increase current capabilities above the established baseline. This PPWP can be executed up to 7 times

10.11.4. Objective: Configuration Management and Asset Control. The Contractor shall provide facility and equipment configuration control and identification and scheduling of test assets during planned events. The contractor shall examine, evaluate, and monitor baseline HW/SW to maintain version control integrity.

## Outcomes:

10.11.4.1. Plan, coordinate and execute freeze waivers through the MDIOC's Work Screening Team.

10.11.4.2. Maintain positive configuration management control for the BLADE areas and its associated, cabling, systems, operating procedures, and assets. Develop and provide baselined systems artifacts (e.g. Interface Control Documents, Network Interface Control Documents, schematic, functional system overlay and architectural drawings compliant with DoDAF v2.0, etc.) that clearly diagram and articulate the system or components performance, function, and physical attributes and functional relation between parts, subsystems, and systems.

- CDRL C012: Baseline Engineering Documentation

10.11.4.3. Maintain conformance to a configuration management/system engineering process to ensure standards are established to control and manage, in optimum condition, system capabilities.

10.11.4.4. Maintain monthly operations schedules of all assets within Ground Test, Flight Test and the BLADE areas. Provide all schedules in the monthly Task Order Status Review (CDRL C003).

10.11.4.5. Ensure integration of NSITE into required test event architecture.

## 10.12. BMDS Ground Test Resources Cybersecurity Management

### 10.12.1 Objective – Cybersecurity Compliance

The Contractor shall provide compliant security services that prevent unauthorized access, use, disclosure, disruption, modification, inspection, recording, or destruction of information and/or equipment and processes that create that information for the enclaves. The Contractor shall have full Cyber responsibility for the DTR Event Enclave in order to meet test and event requirements. These security services and tools include:

- Security Engineering and Security Administration processes and products that support system certification and accreditation (C&A)
- Cybersecurity Concept of Operations
- Accreditation requirements of the DoD's Risk Management Framework (RMF)
- Information Assurance Vulnerability Management (IAVM)
- ePO system
- Continuous security monitoring and reporting as an MDA Tier III Computer Network Defense (CND) organization by managing:
  - DISA security tools including Host-Based Security System (HBSS)
  - Assured Compliance Assessment Solution (ACAS)

- Enterprise Mission Assurance Support Service (eMASS)
- Continuous Monitoring and Risk Scoring (CMRS)

**Outcomes:**

**10.12.1.1** Perform Cyber system administration and security management tasks using DISA tools and report, monitor applicable security resources for updated requirements and comply with DoD/Cyber Command Task Orders (CTO).

**10.12.1.2** Recommend security requirements and safeguards and establish processes to validate security requirements, mitigate cyber risks, and acquire certification and accreditation of systems.

**10.12.1.3** Anticipate requirements for cyber accreditations and recommend a Plan of Action and Milestones (POA&M) to accomplish tasks that allow participation in events.

**10.12.1.4** Demonstrate and report compliance with cybersecurity requirements using the standard scorecard.

**10.12.1.5** Assess systems, networks, and using passive and active evaluations, participate in the Security Test and Evaluation (ST&E) processes, and identify vulnerabilities and deviations from acceptable configurations.

**10.12.1.6** Document the results of Certification and Accreditation activities

**10.12.1.7** Conduct Incident Response actions and analyze malicious events and known exploitations/vulnerabilities for the creation of custom signature rule sets.

**10.12.1.8** Identify and manage government common user systems and special purpose systems that require custom security features and procedures.

**10.12.1.9** Comply with RMF mitigation requirements for Category I, II, and III findings.

**10.12.1.10** Obtain timely Authorization to Operate (ATO) for mission areas and maintains status by implementing agreed-upon set of security controls.

- CDRL C015: HQ079618F9400: Assessment Authorization Documentation

<b>ORDER FOR SUPPLIES OR SERVICES</b>										PAGE 1 OF 11			
1. CONTRACT/PURCH. ORDER/ AGREEMENT NO. HQ079617D0001			2. DELIVERY ORDER/ CALL NO. HQ079619F1500P00002		3. DATE OF ORDER/ CALL (YYYYMMDD) 2019 Feb 28		4. REQ. PURCH. REQUEST NO. 11316343		5. PRIORITY  DX-C9				
6. ISSUED BY MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300			CODE HQ0796		7. ADMINISTERED BY (if other than 6) DCMA HUNTSVILLE 1040 RESEARCH BLVD SUITE 100 MADISON AL 35758-2040			CODE S0107A		8. DELIVERY FOB <input checked="" type="checkbox"/> DESTINATION <input type="checkbox"/> OTHER  (See Schedule if other)			
9. CONTRACTOR JACOBS TECHNOLOGY INC. 550 WILLIAM NORTHERN BLVD. TULLAHOMA TN 37388-4727			CODE 7EBK3		FACILITY		10. DELIVER TO FOR POINT BY (Date) (YYYYMMDD) <b>SEE SCHEDULE</b>		11. MARK IF BUSINESS IS <input type="checkbox"/> SMALL <input type="checkbox"/> SMALL DISADVANTAGED <input type="checkbox"/> WOMEN-OWNED				
NAME AND ADDRESS							12. DISCOUNT TERMS		13. MAIL INVOICES TO THE ADDRESS IN BLOCK See Item 15				
14. SHIP TO MISSILE DEFENSE AGENCY (MDA) (b)(6) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300			CODE HQ0796		15. PAYMENT WILL BE MADE BY FAS COLUMBUS CENTER SOUTH ENTITLEMENT OPERATIONS P. O. BOX 182264 COLUMBUS OH 43218-2264			CODE HQ0338		MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2.			
16. TYPE OF ORDER		DELIVERY/ CALL		<input checked="" type="checkbox"/> X		This delivery order/call is issued on another Government agency or in accordance with and subject to terms and conditions of above numbered contract.							
		PURCHASE				Reference your quote dated Furnish the following on terms specified herein, REF:							
ACCEPTANCE. THE CONTRACTOR HEREBY ACCEPTS THE OFFER REPRESENTED BY THE NUMBERED PURCHASE ORDER AS IT MAY PREVIOUSLY HAVE BEEN OR IS NOW MODIFIED, SUBJECT TO ALL OF THE TERMS AND CONDITIONS SET FORTH, AND AGREES TO PERFORM THE SAME.													
NAME OF CONTRACTOR				SIGNATURE				TYPED NAME AND TITLE				DATE SIGNED (YYYYMMDD)	
<input checked="" type="checkbox"/> If this box is marked, supplier must sign Acceptance and return the following number of copies: 1													
17. ACCOUNTING AND APPROPRIATION DATA/ LOCAL USE  See Schedule													
18. ITEM NO.		19. SCHEDULE OF SUPPLIES/ SERVICES				20. QUANTITY ORDERED/ ACCEPTED*		21. UNIT		22. UNIT PRICE		23. AMOUNT	
		SEE SCHEDULE											
* If quantity accepted by the Government is same as quantity ordered, indicate by X. If different, enter actual quantity accepted below quantity ordered and encircle.						24. UNITED STATES OF AMERICA IN (b)(6) EN (b)(6) mda.mil BY (b)(6)		(b)(6)		25. TOTAL \$2,396,925.00 EST		26. DIFFERENCES	
27a. QUANTITY IN COLUMN 20 HAS BEEN <input type="checkbox"/> INSPECTED <input type="checkbox"/> RECEIVED <input type="checkbox"/> ACCEPTED, AND CONFORMS TO THE CONTRACT EXCEPT AS NOTED													
b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE						c. DATE (YYYYMMDD)		d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE					
e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE						28. SHIP NO.		29. DO VOUCHER NO.		30. INITIALS			
f. TELEPHONE NUMBER				g. E-MAIL ADDRESS				<input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL		32. PAID BY		33. AMOUNT VERIFIED CORRECT FOR	
36. I certify this account is correct and proper for payment.						31. PAYMENT <input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL				34. CHECK NUMBER		35. BILL OF LADING NO.	
a. DATE (YYYYMMDD)		b. SIGNATURE AND TITLE OF CERTIFYING OFFICER											
37. RECEIVED AT		38. RECEIVED BY		39. DATE RECEIVED (YYYYMMDD)		40. TOTAL CONTAINERS		41. S/R ACCOUNT NO.		42. S/R VOUCHER NO.			

Section B - Supplies or Services and Prices

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1700		(b)(4)			(b)(4)

O&M Services/Capabilities  
CPIF

The contractor shall provide all services/capabilities identified in the performance work statement (PWS) attached to this task order. All task order costs, other than those specifically included in another contract line item number (CLIN), are included in this CLIN.

(b)(4)

All share ratios are identified as follows: (b)(4) Government (b)(4) Contractor. The share ratios are subject to revision in accordance with the IRES Performance Evaluation and Incentive Plan (Contract Attachment J-06).

(b)(4)

FOB: Destination

PURCHASE REQUEST NUMBER: 11316343

TARGET COST

TARGET FEE

TOTAL TGT COST + FEE

MINIMUM FEE

MAXIMUM FEE

SHARE RATIO ABOVE TARGET

SHARE RATIO BELOW TARGET

(b)(4)

FSC CD: D316

ITEM NO	SUPPLIES/SERVICES	AMOUNT
170001		

Initial Funding

ACRN AA

(b)(4)

PURCHASE REQUEST NUMBER: 11316343

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1740		100	Combo		(b)(4)

O&M Expensed CAP: IT Hardware/Equipment  
 CPIF

Contractor purchase of expensed contractor-acquired property (CAP), specifically information technology (IT) hardware (HW)/equipment (equip), necessary to provide the services/capabilities identified in the PWS attached to this task order. CAP is defined in FAR 52.245-1. IT hardware/equipment is a subset of equipment as defined in DoDI 5000.64.

Expensed CAP line items were created as an accounting mechanism designed to provide MDA better visibility and linkage of budget, obligation, expenditure, and government property data. Given the need for this level of visibility and linkage, as well as the need to include these costs as an integral component of the incentives, all task order CLINs are combined and considered a single entity for the purpose of administering the cost and performance incentives identified in the IRES PEIP (Contract Attachment J-06).

(b)(4) All share ratios are identified as follows: (b)(4) Government (b)(4) Contractor. The share ratios are subject to revision in accordance with the IRES PEIP. (b)(4)

NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.

FOB: Destination

PURCHASE REQUEST NUMBER: 11316343

TARGET COST  
 TARGET FEE  
 TOTAL TGT COST + FEE  
 MINIMUM FEE  
 MAXIMUM FEE  
 SHARE RATIO ABOVE TARGET  
 SHARE RATIO BELOW TARGET

(b)(4)

FSC CD: 7025

ITEM NO	SUPPLIES/SERVICES	AMOUNT
174001		

Initial Funding

ACRN AA

PURCHASE REQUEST NUMBER: 11316343

(b)(4)

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1760		(b)(4)			(b)(4)

O&M Expensed CAP: IT Software  
CPIF

Contractor purchase of expensed contractor-acquired property (CAP), specifically commercial-off-the-shelf (COTS) internal use software (IUS), necessary to provide the services/capabilities identified in the PWS attached to this task order. CAP is defined in FAR 52.245-1. COTS IUS is a subset of IUS as defined in DoDI 5000.76.

Expensed CAP line items were created as an accounting mechanism designed to provide MDA better visibility and linkage of budget, obligation, expenditure, and government property data. Given the need for this level of visibility and linkage, as well as the need to include these costs as an integral component of the incentives, all task order CLINs are combined and considered a single entity for the purpose of administering the cost and performance incentives identified in the IRES PEIP (Contract Attachment J-06).

(b)(4) All share ratios are identified as follows: (b)(4) Government/ (b)(4) Contractor. The share ratios are subject to revision in accordance with the IRES PEIP.

NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.

FOB: Destination

PURCHASE REQUEST NUMBER: 11316343

TARGET COST  
TARGET FEE  
TOTAL TGT COST + FEE  
MINIMUM FEE  
MAXIMUM FEE  
SHARE RATIO ABOVE TARGET  
SHARE RATIO BELOW TARGET

(b)(4)

FSC CD: 7030

ITEM NO	SUPPLIES/SERVICES	AMOUNT
176001		

Initial Funding

ACRN AA

PURCHASE REQUEST NUMBER: 11316343

(b)(4)

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
7990		1	Lot		NSP

Data

FFP

The contractor shall deliver all data identified in the contract data requirements lists (CDRL) attached to this task order.

Reference Section G of the basic contract. At the end of the task order period of performance, the contractor shall submit one Invoicing, Receipt, Acceptance, and Property Transfer (iRAPT) receiving report for all data previously delivered.

NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.

FOB: Destination

PURCHASE REQUEST NUMBER: 11316343

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NET AMT

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
7991		1	Lot		NSP

CAP Delivery/CDRL

FFP

Delivery of expensed CAP as required by the IRES Government Property Management Task Order.

NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.

FOB: Destination

PURCHASE REQUEST NUMBER: 11316343

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NET AMT

FSC CD: AC23

Section E - Inspection and Acceptance

INSPECTION AND ACCEPTANCE TERMS

Supplies/services will be inspected/accepted at:

CLIN	INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
1700	Destination	Government	Destination	Government
170001	N/A	N/A	N/A	N/A
1740	Destination	Government	Destination	Government
174001	N/A	N/A	N/A	N/A
1760	Destination	Government	Destination	Government
176001	N/A	N/A	N/A	N/A
7990	Destination	Government	Destination	Government
7991	Destination	Government	Destination	Government

Section F - Deliveries or Performance

DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	DDAAC / CAGE
1700	POP 05-MAR-2019 TO 04-MAR-2020	N/A	MISSILE DEFENSE AGENCY (MDA) (b)(6) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 (b)(6) FOB: Destination	HQ0796
170001	N/A	N/A	N/A	N/A
1740	POP 05-MAR-2019 TO 04-MAR-2020	N/A	MISSILE DEFENSE AGENCY (MDA) (b)(6) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 (b)(6) FOB: Destination	HQ0796
174001	N/A	N/A	N/A	N/A
1760	POP 05-MAR-2019 TO 04-MAR-2020	N/A	MISSILE DEFENSE AGENCY (MDA) (b)(6) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 (b)(6) FOB: Destination	HQ0796
176001	N/A	N/A	N/A	N/A
7990	POP 05-MAR-2019 TO 04-MAR-2020	N/A	MISSILE DEFENSE AGENCY (MDA) (b)(6) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 (b)(6) FOB: Destination	HQ0796
7991	POP 05-MAR-2019 TO 04-MAR-2020	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796

In accordance with FAR 52.216-10(c)(1), the Contractor is authorized to bill fee by contract line item number (CLIN) not to exceed the following (b)(4) x (cost billed against the CLIN to date, including this voucher). Overbilling of fee as a result of this change in the billing instructions shall not be refunded to the Government, unless the overbilling cannot be corrected any other way. Instead, fee shall not be billed until the contractor is no

longer in an overbilling status. The Contractor shall show the fee calculation by line item on each voucher. All task order CPIF CLINs are combined and considered a single entity for the purpose of administering the cost and performance incentives identified in the IRES PEIP (Contract Attachment J-06).

WAWF email notifications. In accordance with 252.232-7006, the Contractor shall enter the following email addresses in the "Send Additional Email Notifications" field of WAWF once a document is submitted in the system:

CLIN 7990	(b)(6)
CLIN 7991	

Section I - Contract Clauses

CLAUSES INCORPORATED BY REFERENCE

52.232-22	Limitation Of Funds	APR 1984
252.211-7003	Item Unique Identification and Valuation	MAR 2016
252.232-7003	Electronic Submission of Payment Requests and Receiving Reports	DEC 2018
252.232-7006	Wide Area WorkFlow Payment Instructions	DEC 2018

Section J - List of Documents, Exhibits and Other Attachments

Exhibit/Attachment Table of Contents

DOCUMENT TYPE	DESCRIPTION	PAGES	DATE
Attachment 1	PWS	24	28-FEB-2019
Attachment 2	PPWP List	1	28-FEB-2019

**Missile Defense Agency**  
**Integrated Research & Development for Enterprise Solutions (IRES)**

**PERFORMANCE WORK STATEMENT**

**Contract Number:**

**HQ0796-17-D-0001**

**Task Order Title:**

**Joint Functional Component Command for Integrated Missile Defense (JFCC  
IMD) Engineering and Maintenance**

**Task Order Number:**

**HQ0796-19-F-1500**

**Period of Performance:**

**5 March 2019 – 4 March 2020**

**Task Order Type:**

**Cost Plus Incentive Fee**

<b>Task Order Revision History</b>
------------------------------------

Rev	Description of Changes	Date
Orig	Original PWS	2/26/2019

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## **1.0 Purpose**

Maintain and sustain the Joint Functional Component Command Integrated Missile Defense (JFCC IMD) mission/administrative systems, capabilities, and facilities.

## **2.0 Background**

JFCC IMD is a tenant command under USSTRATCOM that operates out of Schriever Air Force Base, Colorado Springs, Colorado. Presently, JFCC IMD resides in the MDIOC, B730 (Rm.222), B720 (Rms.1404-1409), B400 (Mod 7, Room 12), B442 (First Floor), and the JBTEC Facility (Colorado Springs), as well as one other location in Colorado Springs. JFCC IMD is the Coordinating Authority (CA), and synchronizes global missile defense planning, conducts Ballistic Missile Defense (BMD) operations support, advocates for missile defense capabilities, recommends allocation of missile defense forces, and executes joint ballistic missile defense training and education as directed by CDRUSSTRATCOM, in support of the Combatant Commands, the Services, and appropriate U.S. Government agencies, to deter adversaries, assure allies, and defend the U.S., deployed forces, allies and partners against missile attacks.

Predecessor task orders under JRDC: 9906, 8906, 7906, 6906.

## **3.0 Scope**

Provide facility and information security operations assistance for JFCC IMD. Sustain mission operations and mission/administrative systems and capabilities. Upgrade equipment and infrastructure systems supporting JFCC IMD. Provide customer support for daily activities including, network management, project management and engineering, design/implementation, help desk, and Install/Move/Add/Change activities. Perform training and exercise/event support for all IMD spaces. JFCC IMD locations include the following:

1. Schriever AFB: Building 720 (1404-8/1409/2200), Building 730 (CSF222), Building 442 (Rms100-104), Building 400 (Mod 7, Room 12)
2. The Metropolitan Area Network (MAN) Site (except for assets or services provided by the 721<sup>st</sup> Communications Squadron),
3. Joint-BMD Training and Education Center (J-BTEC): Atrium II facility, 1150 Academy Park Loop, Colorado Springs, CO (only JFCC IMD owned assets).

## **4.0 Service Summary Items**

Exhibit 1 provides the Service Summary Items applicable to this task order.

*Exhibit 1. SSIs and Weights Applicable to This Task Order*

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SSI #	Title	Description
SSI 1	(b) (4)	
SSI 2		
SSI 3		
SSI 4		

SSI #	Title	Description	Performance Threshold Unacceptable	Performance Threshold Poor Performance	Performance Threshold Meeting Needs	Performance Threshold Exceptional	Performance Threshold Perfect	Weight	Assessment Method
SSI 5	(b)(4)								
SSI 6									

SSI #	Title	Description	Performance Threshold Unacceptable	Performance Threshold Poor Performance	Performance Threshold Meeting Needs	Performance Threshold Exceptional	Performance Threshold Perfect	Weight	Assessment Method
	(b)(4)								
SSI 7									

## 5.0 Contract Deliverable Requirements List (CDRL)

The point of delivery for all CDRL products, except as noted in Exhibit C, is the MDA E-CaRT system. The Contractor shall deliver all such products by saving and profiling them in E-CaRT, with the appropriate notification of delivery letter transmitted electronically to the Government's Data Management Office. Reference Exhibit C for specific CDRL delivery instructions.

### 5.1 CDRL Identification

Task	CDRL	DID	Title	Description
10.1	C001	DI-MGMT-81861/T	19F1500: Integrated Program Management Report	Contains data for measuring cost and schedule performance. The IPMR is structured around seven formats that contain the content and relationships required for the electronic submissions.
10.1	C002	DI-MISC-80508B/T	19F1500: Task Order Status Report, [month ending]	Provides significant accomplishments, issues, concerns, lessons learned, financials and risks associated with the task order. Report shall include: <ul style="list-style-type: none"><li>• A summary of degradations/failures, to include the response times and a root-cause analysis</li><li>• Any lapses in hardware service agreements or software licenses</li><li>• A summary of workload data on a quarterly basis</li><li>• All project closeout documentation to include a project summary, final resource-loaded schedule and an element of cost summary for each project</li></ul>
10.2.3.1	C003	DI-MISC 80508B	19F1500: Maintenance & Spare Report	Identifies type, location, and frequency of recurring sustainment activities, the sparing methodology used in establishing a "Recommended Spares Requirement List" Includes inventory of all spares and the identification of licensing, maintenance agreements, and renewal documentation of hardware and software assets.

Task	CDRL	DID	Title	Description
10.2.3.2	C004	DI-MISC-80508B	19F1500: Operational Support Documents: Technology Refresh Plan	The Technology Refresh Plan takes into account the formally documented current state of the hardware necessary to execute business functions, deliver services, and maintain the logical relationships between customers, partners, and suppliers. Primarily, this superset will contain the system architecture, the storage architecture, and the network architecture across the enterprise.
10.2.4.2, 10.3.1.6, 10.3.2.6	C005	DI-MISC-80508B/T	18F1500: Engineering Documentation	This CDRL contains engineering documentation which potentially includes some or all of the following components: Slide Package, DoDAF Artifacts, Rack Elevation drawings, Facility Layout drawings, CONOPS, and Requirements Traceability Matrix (RTM), Version Description Documents, and Floor Plans.

## 5.2 CDRL Tailoring



The DD Form 1423 associated with each CDRL is attached in Exhibit C:

## 6.0 Milestones

Task	Activity	Date / Days After Contract (DAC)
5.1.1.3	Baseline Review	120 DAC

Note: DAC = Days after task order period of performance start date

## 7.0 Government Property (GP) / Government Furnished Property (GFP) / Government Furnished Information (GFI) / Contractor Acquired Property (CAP)

7.1 In addition to the any GP associated with IRES Contract SOO, paragraph 6.0, the following GP is applicable to this task order:

- None

7.2 In addition to the GFP identified on IRES Contract Attachment 5, the following GFP is applicable to this task order:

- None
- 7.3 The following GFI is applicable to this task order:
- None
- 7.4 All CAP shall be managed under the terms and conditions associated with task order 18F8900 – Government Property Management task order.

## 8.0 Special Requirements

In addition to the Special Requirements identified in IRES Contract SOO, paragraph 7.0, the following are applicable to this task order:

- All positions requiring network/system administrator rights/privileges and or conduct information security (Information Assurance) duties must meet DoD certification requirements as outlined in DoDI 8570.01-M (dated March 12, 2014); to include certification on/for specific Operating Systems (OS) and Applications.
- TS/SCI clearances and Courier badge (for transportation of hardware to all JFCC IMD facilities).
- Maintain adequate personnel with access to the MAN site.
- Core Help Desk Business/Duty Hours are 0730-1600 Mon-Fri

## 9.0 Applicable Directives / Regulations

In addition to the directives and regulations identified in the IRES Contract SOO, paragraph 8.0, the following are applicable to this task order:

Title	Originator	Date
Classified Message Spill Procedure		

## 10.0 Statement of Objectives and Outcomes

The contractor shall perform the following requirements under this task order. Exhibit 1 provides the performance standards (initial response time, estimated time to repair, time to provide a situation report, and time to complete actions).

### *Exhibit 1. JFCC IMD Performance Standard Summary*

JFCC IMD Operations and Training Support (Task Order 1500) – Response Time Objectives				
Objective Area	Initial Response	ETR	Situation Report	Action Completed
<b>Bldg 720 Rooms 1404-1408, Directors in Bldg 720 Room 1409, CoS and DCO in Bldg 730 Room CSF 222, MAN Site when occupied</b>				
Recurring Maintenance	As Scheduled	N/A	N/A	As Scheduled
Incident Request				

Core Hours	30 min	1 hour	6 hours	24 hours
Non-Core Hours	2 hours	4 hours	6 hours	24 hours
IMAC Services				
- Urgent	N/A	N/A	N/A	3 days*
- Routine	N/A	N/A	N/A	14 days*
Documentation/Drawing Updates	Redline	N/A	N/A	30 days
<b>JBTEC when class or conference in session, Bldg 720 Room 2200</b>				
Recurring Maintenance	As Scheduled	N/A	N/A	As Scheduled
Incident Request				
Core Hours	1 hour	2 hours	Daily	72 hours
Non-Core Hours	2 hours	4 hours	Daily	72 hours
IMAC Services				
Urgent	N/A	N/A	N/A	7 days*
Routine	N/A	N/A	N/A	30 days*
Documentation/Drawing Updates	Redline	N/A	N/A	60 days
<b>Bldg 720 Room 1409, JBTEC when no class or conference in session, MAN Site when unoccupied, Bldg 442 Rooms 100-104, Bldg 730 Room CSF 222</b>				
Recurring Maintenance	As Scheduled	N/A	N/A	As Scheduled
Incident Request				
Core Hours	48 hours	72 hours	N/A	14 days
IMAC Services				
Urgent	N/A	N/A	N/A	7 days*
Routine	N/A	N/A	N/A	30 days*
Documentation/Drawing Updates	Redline	N/A	N/A	90 days
<b>Events &amp; Engineering Projects</b>				
Minor Projects (10.3.1)	N/A	N/A	N/A	90 days
Small Projects (10.3.2)	N/A	N/A	N/A	150 days
Documentation/Drawing Updates	Redline	N/A	N/A	60 days
Note: * Required completion date is based on calendar days following receipt of required materials/equipment				

### 10.1 Task Order Administration

This portion of this PWS contains structure, objectives and outcomes with respect to the administration of the **Task Order**. This PWS element represents the work required to administer the Task Order and the Enterprise Support of the Task Order's work and resources. For this Task Order, work is estimated at this level in the PWS (10.1, 10.2, 10.3, etc.).

### **10.1.1 Task Order Management**

This PWS element represents the work specifically required to support the management of requirements of the overall Task order, which includes all reporting, briefings, awards, modifications, SSIs, etc.

#### **10.1.1.1 Stakeholder Technical Integration Management (STIM) and IRES Integration Management**

Objective #1: The contractor shall manage TO work execution, resources and information to conduct, deliver, and communicate on task order delivery.

Outcomes:

- Provide a POC responsible for managing the cost, schedule, risk, and technical performance of the TO in accordance with the requirements of the PWS.
- Provide a POC to serve as a liaison to the COTR or Assistant COTR (ACOTR) who is responsible for providing insight on TO performance, to include metrics which roll up to the SSI's and monthly QPR inputs.
- Manage TO activities in accordance with the processes defined in the IRES Program Management Plan (CDRL TO8002 C008). All TO requirements are identified, managed, validated, and verified in accordance with the contractor's IRES Systems Engineering Master Plan.
- A common Enterprise Architecture vision is implemented IRES-wide to support MDA "to-be" architectures, including the identification of gaps and lessons learned.

Objective #2: The contractor shall provide task order reporting to accurately monitor status in accordance with CDRL and Milestone requirements.

Outcomes:

- IPMR and TO financial status reports for the TO are delivered monthly per CDRL requirements.
- An Integrated Baseline Review of the TO is performed within 90 days of TO award.
- TO status (e.g., technical, cost, schedule) is reported to the COTR on a monthly basis in accordance with CDRL requirements.
- TO status includes cost and schedule performance by WBS and IRES organization structure; significant accomplishments; customer concerns or issues; TO risks and mitigation status; performance against the IRES contract, SE&PI SSIs#1-#4 and Award Fee, and TO SSIs; Earned Value Management (EVM) reports, quality assurance reviews, audit results, and non-conformance finding closure reports; safety information.
- TO performance trends are identified, tracked and shared with the COTR, ACOTR, and applicable government stakeholders.

Milestone: Integrated Baseline Review

CDRL C001: Integrated Program Management Report

CDRL C002: Task Order Status Report

#### **10.1.1.2 Responsible Organization Management**

Objective #1: The contractor shall provide qualified personnel and manage those personnel to perform TO activities.

Outcomes:

- The workforce is managed efficiently, mitigating workforce surge and drawdown impacts, analyzing workforce trends, and forecasting workforce needs and hiring to those requirements.
- A trained and qualified workforce is maintained that is able to perform the functions necessary to operate, support, and sustain MDIOC facilities and systems that are required under this TO.
- The workforce delivers quality and innovative work in accordance with the policy and direction provided in the IRES Management System set of processes and tools.

Objective #2: The contractor shall maintain accountability of all property under its control and provide reporting to ensure government situational awareness of property status.

Outcomes:

- The contractor shall submit a Material Inspection and Receiving Report as required by DFARS 252.246-7000 for the delivery of all CAP classified as Equipment, Special Test Equipment, and Special Tooling by using the Invoicing, Receipt, Acceptance, and Property Transfer (iRAPT) application in the Wide Area Workflow (WAWF) e-Business Suite in accordance with the instructions provided in the CLIN 7990.

#### **10.1.1.3 Administrative Support**

Objective #1: The contractor shall provide resources to manage the contractual requirements, and provide financial oversight and performance tracking for the task order.

Outcomes:

- Task Order financial management activities ensure that task order reporting, including EVM reporting, accurately reflect the current state of TO financial performance and status.
- TO contractual deliverables are provided within the agreed to schedule, in the correct formats and to a high level of quality.
- Based on TO performance trends, periodic audits of task estimates are performed, TO risks are tracked, and schedule accuracy is evaluated. TO performance is continuously evaluated and improved using objective performance measures.
- Provide configuration management, quality and mission assurance, and risk management contractual requirements.
  - TO asset configurations are managed in accordance with the IRES Configuration Management Plan (CDRL TO8002 C022).
  - TO risks are managed in accordance with the IRES Risk Management Plan (CDRL TO8002 C021).
  - The quality of TO activities is assured in accordance with the Quality Assurance Program Plan (CDRL TO8002 C020).
  - TO supplies are purchased in accordance with the IRES Supply Chain Risk Management Plan including an authorized suppliers list for critical systems.

**Objective #2:** The contractor shall provide information security, physical security, export control and cybersecurity training and processes in accordance with federal, DoD and agency requirements to safeguard the conduct of the MDA mission through the IRES contract.

**Outcomes:**

- MDA-identified Critical Program Information (CPI) and Critical Technologies (CT) are protected to the standards required in DoDI 5200.39
- All Controlled Unclassified Information is protected from unauthorized access, disclosure, incident, or compromise.
- All contractor-managed TO systems maintain System Authorization in accordance with DoDI 8510.01, Risk Management Framework.
- Cybersecurity requirements and considerations are integrated into TO systems engineering, design, and risk management processes.
- All contractor-managed TO systems are operated in accordance with cybersecurity requirements.
- Security administration is provided to comply with applicable DoD, MDA, and local security directives, policies, procedures, and instructions for physical security and for the safeguarding of BMDS controlled and classified information, to include proper document marking, classification, storage, accountability, transmittal, and destruction.

- Personnel requiring privileged access maintain appropriate computing environment certifications for the operating system(s) and/or security related tools/devices they support or operate.

### **10.1.2 Objective: Enterprise Task Order Support**

This PWS element represents the work of IRES enterprise support to the Task Order's work and resources.

#### **10.1.2.1 Enterprise Management**

Objective #1: The contractor shall provide the resources and data to enable enterprise management of this task order for human resources, business/finance, and JEMS in support of integration.

Outcomes:

- JEMS portal environment provides transparent and integrated workforce and government data availability and TO support for data reporting, including metrics/SSI dashboards.
- Contracting office provides subcontracting, limitation of funds oversight and TO modification and award to the STIM and COTR in accordance with PWS and contractual requirements.
- MDA customers and stakeholders have on-demand access to JEMS portal and associated dashboards.
- TO export control requirements are managed to comply with DoD and MDA requirements, including International Traffic in Arms Regulations (ITAR) (22 CFR 120-130) and Technical Assistance Agreements processes as required.
- An IRES procurement system is maintained to support the procurement needs of the task order.
- HR staff and functions are available to support TO needs for recruiting, hiring, and training a qualified workforce which meets the TO requirements.
- Business office functions which enable payroll, timekeeping, accounts receivable/payable, and travel services required by the TO.
- Small business and teammate management in support of MDA and IRES small business goals.
- TO supplies are purchased in accordance with the IRES Supply Chain Risk Management Plan including an authorized suppliers list for critical systems.

#### **10.1.2.2 Mission and Performance Assurance**

Objective #1: The contractor shall perform Mission and Performance Assurance functions to ensure the products and services provided under this TO utilize established using integrated processes and practices that are standardized across the IRES contract.

Outcomes:

- Deliver an EVM system which provides TO required IPMR formats and IBR/BR artifacts.
- The TO IMS are structures for integration into the contractor's IRES Integrated Schedule (IIS).
- IRES PAL provides systems integration and a common MDIOC system vision and oversight that are integrated enterprise-wide through the Program Management Plan.
- Critical assets and resources are managed, to include conflict forecasting and de-confliction, across the IRES enterprise.
- Risk management services documentation, tracking and analysis of TO risks.

Objective #2: The contractor shall track, manage and report on TO performance measures, including metrics, lessons learned and accomplishments.

Outcomes:

- Based on TO performance trends, periodic audits of task estimates are performed, TO risks are tracked, and schedule accuracy is evaluated.
- All TO CDRLs are tracked and delivered on time and with accurate information.
- Customer satisfaction with the services and products delivered in this TO is solicited and tracked.
- TO lessons learned, best practices, and accomplishments are collected and shared with the COTR, ACOTR, other government stakeholders, and IRES workforce.

Objective #3: The contractor shall incorporate Mission Assurance activities into all TOs.

Outcomes:

- TO risks are managed in accordance with the IRES Risk Management Plan (CDRL TO8002 C021).
- The quality of TO activities is assured in accordance with the Quality Assurance Program Plan (CDRL TO8002 C020).

Objective #4: The contractor shall provide information security, physical security, and export control processes in accordance with federal, DoD and agency requirements to safeguard the conduct of the MDA mission through the IRES contract.

Outcomes:

- Security administration is provided to comply with applicable DoD, MDA, and local security directives, policies, procedures, and instructions for industrial security and for the safeguarding of BMDS controlled and classified information.
- Employees are in and out-processed, RABs and CACs are renewed, and clearance and special access requirements are monitored and coordinated. ADPE letters for removal and introduction of MDA-issued equipment in the Schriever AFB RAs by employees is coordinated.
- Teammate, subcontractor, and visitor security requirements are processed.

Objective #5: The contractor shall promote and enforce safe and sustainable work practices to prevent personnel injury, damage to property or harm to the environment.

Outcomes:

- TO activities are performed in accordance with the Mishap Prevention and Safety Plan (CDRL TO8002 C024) to prevent personnel injury and property damage.
- TO activities are performed in accordance with the Environmental Program Plan (CDRL TO8002 C023) to prevent harm to the environment and maximize sustainable practices.

### **10.1.2.3 Functional Management and Administrative Support**

Objective #1: The contractor shall provide a functional management oversight structure to lead, manage and assign resources within their organization.

Outcomes:

- The Event and Warfighter Support (EWS) Director leads and manages the department to meet IRES and its applicable task orders' requirements.
- The EWS Director delivers IRES products and services which includes the correct people, processes, and tools to meet mission requirements.
- The EWS Directors tactically allocates and strategically forecasts resources within EWS and its applicable task orders to ensure the sustainment, renewal, and growth of the technical expertise within the department that meets current and future requirements.
- The EWS Department provides training, certifications, and career growth of each employee within the department.
- The EWS Director mentors and oversees the execution of event engineering, asset operations and sustainment, systems integration, and analysis to ensure the technical success of each task order within the department.

Objective #2: The contractor shall provide functional administrative and management support as required to communicate and deliver enterprise integration.

## Outcomes:

- Coordination between IRES senior managers and government leaders with customer service, IRES integration and processes, and communications to support and ensure accomplishment of TO objectives
- The EWS Department develops, standardizes, and deploys processes for event engineering, asset operations and sustainment, systems integration, and analysis.
- The EWS Department coordinates, integrates and delivers innovations to the task order mission areas, and IRES as a whole, to optimize efficiencies and mission effectiveness.

### **10.1.3 Objective: Task Order Award and Modification**

Objective #1: The contractor shall provide the resources and data to provide timely and accurate proposals to government requirements for proposal and other contract modification actions.

## **10.2 JFCC IMD Operations and Sustainment**

### **10.2.1 Scheduling**

The contractor shall facilitate the reporting and scheduling of facility maintenance, inspection, and cleaning requirements that are performed under other IRES task orders and other contracts.

10.2.1.1 Coordinate, facilitate, and provide access to the JFCC IMD footprint for personnel not permanently authorized within the JFCC IMD footprint, for facility inspections, cleaning crews, VIP visits, project-related visits and inventory activities.

10.2.1.2 Coordinate freeze waivers as necessary to minimize and/or eliminate any risk to JFCC IMD.

### **10.2.2 Information Security**

The contractor shall perform security scans for Global Command and Control Systems – Joint (GCCS-J) and Processing and Display Subsystem Migration (PDS-M) and periodic system audits for GCCS-J.

10.2.2.1 Perform monthly scans and system audits on GCCS-J and PDS-M workstations. Results of scans shall be available for the government to review.

10.2.2.2 Perform MDA/ICT incident reporting and CMS activities on MDA ULAN and CLAN systems and equipment.

- Determine CMS instances have been properly researched and contained.
- Determine the required level and scope of the cleanup effort.
- Implement each of the detailed steps for the containment and sanitation.
- Manage the generation and proper handling of all classified reports to stakeholders and ultimately determines to close the CMS ticket.

- The contractor will perform required activities associated with Classified Message Spill (CMS) instances as defined in the JFCC IMD Classified Message Spill Procedure, as referenced in PWS paragraph 9.0.

### **10.2.3 Operations Sustainment Engineering**

The contractor shall provide services necessary for the sustainment of mission systems and capabilities. Sustainment activities include network management, configuration management, proactive/corrective maintenance, hardware and software refresh, break/fix service restoration, and engineering services for JFCC IMD information Technology (IT), Audio Visual (AV), VTC communications systems, and existing mission capabilities. The contractor shall maintain information assurance infrastructure to MDA and DoD standards. The contractor shall maintain all sustainment engineering documentation.

- 10.2.3.1 Maintain and refresh hardware, software and current capabilities in accordance with industry best maintenance practices ensuring an appropriate mix between proactive and corrective maintenance, repair, and replacement to maintain availability of systems, equipment and networks. Document and execute maintenance plans, schedules, and performance expectations. Utilize system performance and maintenance trending analysis to manage the maintenance program.
- 10.2.3.2 Develop and Implement an integrated approach to operate, manage and plan IT investments that provides for the continuous identification, selection, control, life-cycle management, and evaluation of the IT investments in a structured process resulting in a systematic method maximizing the return of IT investments, both in the present and out years.
- 10.2.3.3 Critical Functional Areas (as defined under Exhibit 1): Maintain continuous situational awareness to anticipate problems and react, to prevent or minimize mission degradation to ensure availability of all mission equipment within critical functional areas. Exhibit agility in response to urgent operational needs and affect management of IT infrastructure and capabilities.

Performance standards (initial response time, estimated time to repair, time to provide a situation report, and time to complete actions) are provided in Exhibit 1. JFCC IMD, as the customer reserves the right to set and/or change the priority/urgency of all tickets opened in areas identified as Critical Functional Areas in Exhibit 1.

- 10.2.3.4 Other Functional Area. During core hours, respond to degradations/ failures within 1 hour and provide an estimated timeline associated with service restoral in accordance with contractor-developed ticket escalation procedures. Demonstrate minimal impact to mission while repair activities are initiated, conducted, and

completed. Incidents occurring outside of core hours shall be worked the following business day.

Performance standards (initial response time, estimated time to repair, time to provide a situation report, and time to complete actions) are provided in Exhibit 1.

- 10.2.3.5 Maintain currency on software licensing and hardware warranties. Track life cycle information in relation to “Vendor End-of-life/serviceability” and MDA Network Owner “End-of-Net worthiness and support.”

#### **10.2.4 Customer Support Services**

The contractor shall provide customer support services inclusive of service desk operations, touch-labor client services, conference room AV support, conference and event activities, daily maintenance checks of equipment (to include VTCs), Install/Move/Add/Change (IMAC) services and Engineering services above those service levels provided under other IRES task orders.

- 10.2.4.1 Provide Tier II help desk support during core business hours. Ensure knowledge base maintenance and development enabling first call resolution of help desk calls. Ensure 24/7 2-hour response time for help desk support calls coming from the critical functional areas.
- 10.2.4.2 Provide an on-line work request process/system that allows assigned government personnel to submit, assess, validate, vet, prioritize, approve, track, and evaluate work requests for non-help desk support related activities. Content of contractor response for each request: scope, need-date, identification of POCs, solution, breakout of activities, schedule, cost, and materials. Implement a change request process for schedule changes. Create a categorical binning system for approval and vetting for projects, with respect to urgency and project size. Implement a streamlined/agile process for work requests that require 8 man-hours or less to complete.
- 10.2.4.3 Provide a plan to provide IT Technician support for JFCC IMDs standalone (non-networked) systems and devices. Install and configure computer hardware, peripherals, operating systems and applications. Support the roll-out of new hardware, applications or updates. Monitor and proactively maintain computer systems, replace parts as required, perform troubleshooting to diagnose and resolve problems, check computer hardware to ensure functionality, and help in identifying computer equipment needs/shortages for procurement. Maintain documentation and hardware/software registers. Required to be completed by 04 March 2020; under CLIN 1700

### **10.2.5 Configuration Management and Asset Control**

The contractor shall provide facility and equipment configuration control and provide compliant asset management services of assets (equipment, and cell phones), from initial receipt to final disposition and maintain an auditable inventory. The contractor shall implement a mechanism for recording, tracking, and reporting the status of Configuration Items (CIs). The contractor shall examine, evaluate, and monitor baseline HW/SW to maintain version control integrity.

10.2.5.1 Maintain positive configuration management control for all facilities, cabling, systems, operating procedures, and assets.

10.2.5.2 Develop and provide baselined systems artifacts (e.g., Interface Control Documents, Network Interface Control Documents, schematic, functional system overlay and architectural drawings compliant with DoDAF v2.0, etc.) that clearly diagram and articulate the system or components performance, function, and physical attributes and functional relation between parts, subsystems, and systems.

### **10.3 Events and Engineering Projects**

The contractor shall provide technical oversight for all phases of project planning, design, scheduling, execution and reporting to ensure technical solutions for projects meet their mission, goals, and objectives. The Contractor shall implement solutions, upgrades, enhancements and reconfigurations completing the planning, design, procurement, implementation, documentation and configuration management activities.

Projects are categorized as Minor and Small. Priced Prospective Work Packages (PPWPs) will be executed to meet surge requirements. Material and software required for these projects will be executed as PPWPs.

The source and timing of available funds may also require that new CLINs be established in conjunction with PPWP execution.

- Material Package (PPWP). Material (non-software and hardware) to implement upgrades, enhancements, reconfigurations, and projects. This PPWP can be executed up to 5 times
- Software Package (PPWP). Software to implement upgrades, enhancements, reconfigurations, and projects. This PPWP can be executed up to 5 times

#### **10.3.1 Objective – Minor Project**

The Contractor shall plan, design, schedule, and execute minor projects. The COTR will issue technical direction letters (TDLs) for all work associated with this task.

Outcomes

Operate in the context of the System Engineering Management Plan (SEMP) and established governance processes reflected through standardized engineering artifacts and an integrated systems engineering approach to design efforts to meet technical requirements.

Collaborate with government to obtain required CIO and DX approvals as required.

Perform project oversight to include customer coordination and communications and respond to requests for information and problem resolution.

Plan and develop sequenced, resource-loaded schedules. Identify resources needed to accomplish the project and ensure all resources have the proper work authorizations. Identify risks, work sequencing, critical paths, and procurement lead-times.

Initiate requirements management activities. Document and track requirements in a Requirements Traceability Matrix (RTM) which identifies specific and derived requirements.

Develop design solutions and conduct design reviews (preliminary and final) for government approval. Participate in required MDIOC review boards (Project Steering Committee, Design Review Board, Engineering and Architecture Board).

Develop, maintain, and coordinate technical documentation to include Technical Data Packages, engineering drawings, and interface control specifications for existing systems that require documentation or because of newly developed and/or modified systems. Ensure fully coordinated, redlined change documents are available for the government user and service technicians at customer turnover date; formal configuration control documentation and drawings updated and posted within 60 days of work/project completion.

CDRL C005: Baseline Engineering Documentation (Due date will be identified in each project.)

Execute a project change management process.

Complete project close out activities.

## PPWP

Minor Project Surge (PPWP). Execute additional minor projects. This PPWP can be executed up to 5 times

### 10.3.2 Objective – Small Projects

The Contractor shall plan, design, schedule, and execute small sized projects. Each project shall be defined through a Mission Support Task (MST). After the MST is issued the contractor shall provide an engineering estimate, engineering artifacts, and implementation plan to the COTR as outlined in the MST. Upon stakeholder agreement the Contracting Officer will provide an authority to proceed for the contractor to execute and complete the project. The contractor shall establish a discrete work package for each MST. All MSTs will be added as an attachment to the

PWS. The Task Change Requirement (TCR) process shall be followed when there is a need to document and communicate a potential cost, schedule, or requirements change to the MST.

## Outcomes

Operate in the context of the System Engineering Management Plan (SEMP) and established governance processes reflected through standardized engineering artifacts and an integrated systems engineering approach to design efforts to meet technical requirements.

Collaborate with government to obtain required CIO and DX approvals as required

Perform project oversight to include customer coordination and communications and respond to requests for information and problem resolution.

Plan and develop sequenced, resource-loaded schedules. Identify resources needed to accomplish the project and ensure all resources have the proper work authorizations. Identify risks, work sequencing, critical paths, and procurement lead-times.

Initiate requirements management activities. Document and track requirements in a Requirements Traceability Matrix (RTM) which identifies specific and derived requirements.

Develop design solutions and conduct design reviews (preliminary and final) for government approval. Participate in required MDIOC review boards (Project Steering Committee, Design Review Board, Engineering and Architecture Board).

Develop, maintain, and coordinate technical documentation to include Technical Data Packages, engineering drawings, and interface control specifications for existing systems that require documentation or because of newly developed and/or modified systems. Ensure fully coordinated, redlined change documents are available for the government user and service technicians at customer turnover date; formal configuration control documentation and drawings updated and posted within 60 days of work/project completion.

CDRL C005: Baseline Engineering Documentation (Due date will be identified in each project.)

Execute a project change management process.

Complete project close out activities.

Provide all closeout documentation to include a project summary, final resource-loaded schedule and an element of cost summary for each project in the in the monthly Task Order Status Review (CDRL C003).

## PPWPs

Small Project Surge (PPWP). Execute additional small projects. This PPWP can be executed up to 5 times



<b>ORDER FOR SUPPLIES OR SERVICES</b>										PAGE 1 OF 16			
1. CONTRACT/PURCH. ORDER/AGREEMENT NO. HQ079617D0001			2. DELIVERY ORDER/CALL NO. HQ079619F3100P00001		3. DATE OF ORDER/CALL (YYYYMMDD) 2019 Feb 28		4. REQ. PURCH. REQUEST NO. See Schedule		5. PRIORITY  DX-C9				
6. ISSUED BY MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300			CODE HQ0796		7. ADMINISTERED BY (if other than 6) DCMA HUNTSVILLE 1040 RESEARCH BLVD SUITE 100 MADISON AL 35758-2040			CODE S0107A		8. DELIVERY FOB <input checked="" type="checkbox"/> DESTINATION <input type="checkbox"/> OTHER  (See Schedule if other)			
9. CONTRACTOR JACOBS TECHNOLOGY INC. 550 WILLIAM NORTHERN BLVD. TULLAHOMA TN 37388-4727 NAME AND ADDRESS			CODE 7EBK3		FACILITY		10. DELIVER TO FOR POINT BY (Date) (YYYYMMDD) <b>SEE SCHEDULE</b>		11. MARK IF BUSINESS IS <input type="checkbox"/> SMALL <input type="checkbox"/> SMALL DISADVANTAGED <input type="checkbox"/> WOMEN OWNED				
							12. DISCOUNT TERMS		13. MAIL INVOICES TO THE ADDRESS IN BLOCK See Item 15				
14. SHIP TO MISSILE DEFENSE AGENCY (MDA) (b)(6) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300			CODE HQ0796		15. PAYMENT WILL BE MADE BY FAS COLUMBUS CENTER SOUTH ENTITLEMENT OPERATIONS P. O. BOX 182264 COLUMBUS OH 43218-2264			CODE HQ0338		MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2.			
16. TYPE OF ORDER		DELIVERY/ CALL		<input checked="" type="checkbox"/> X		This delivery order/call is issued on another Government agency or in accordance with and subject to terms and conditions of above numbered contract.							
		PURCHASE				Reference your quote dated Furnish the following on terms specified herein, REF:							
ACCEPTANCE. THE CONTRACTOR HEREBY ACCEPTS THE OFFER REPRESENTED BY THE NUMBERED PURCHASE ORDER AS IT MAY PREVIOUSLY HAVE BEEN OR IS NOW MODIFIED, SUBJECT TO ALL OF THE TERMS AND CONDITIONS SET FORTH, AND AGREES TO PERFORM THE SAME.													
NAME OF CONTRACTOR				SIGNATURE				TYPED NAME AND TITLE				DATE SIGNED (YYYYMMDD)	
<input checked="" type="checkbox"/> If this box is marked, supplier must sign Acceptance and return the following number of copies: 1													
17. ACCOUNTING AND APPROPRIATION DATA/ LOCAL USE  See Schedule													
18. ITEM NO.		19. SCHEDULE OF SUPPLIES/ SERVICES				20. QUANTITY ORDERED/ ACCEPTED*		21. UNIT		22. UNIT PRICE		23. AMOUNT	
		SEE SCHEDULE											
* If quantity accepted by the Government is same as quantity ordered, indicate by X. If different, enter actual quantity accepted below quantity ordered and encircle.						24. UNITED STATES OF AMERICA TEL (b)(6) ENA (b)(6) mda.mil BY (b)(6)		25. TOTAL \$5,017,098.00 EST		26. DIFFERENCES			
27a. QUANTITY IN COLUMN 20 HAS BEEN <input type="checkbox"/> INSPECTED <input type="checkbox"/> RECEIVED <input type="checkbox"/> ACCEPTED, AND CONFORMS TO THE CONTRACT EXCEPT AS NOTED													
b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE						c. DATE (YYYYMMDD)		d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE					
e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE						28. SHIP NO.		29. DO VOUCHER NO.		30. INITIALS			
f. TELEPHONE NUMBER		g. E-MAIL ADDRESS				<input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL		32. PAID BY		33. AMOUNT VERIFIED CORRECT FOR			
36. I certify this account is correct and proper for payment.						31. PAYMENT <input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL				34. CHECK NUMBER			
a. DATE (YYYYMMDD)		b. SIGNATURE AND TITLE OF CERTIFYING OFFICER								35. BILL OF LADING NO.			
37. RECEIVED AT		38. RECEIVED BY		39. DATE RECEIVED (YYYYMMDD)		40. TOTAL CONTAINERS		41. S/R ACCOUNT NO.		42. S/R VOUCHER NO.			

Section B - Supplies or Services and Prices

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1700	O&M Services/Solutions CPIF The contractor shall provide all services/capabilities identified in the performance work statement (PWS) attached to this task order. All task order costs, other than those specifically included in another contract line item number (CLIN), are included in this CLIN.  All share ratios are identified as follows: Government/Contractor. The share ratios are subject to revision in accordance with the IRES Performance Evaluation and Incentive Plan (Contract Attachment J-06). FOB: Destination PURCHASE REQUEST NUMBER: HQ0147968152	(b)(4)			(b)(4)
				TARGET COST TARGET FEE TOTAL TGT COST + FEE MINIMUM FEE MAXIMUM FEE SHARE RATIO ABOVE TARGET SHARE RATIO BELOW TARGET	(b)(4)

FSC CD: D316

ITEM NO	SUPPLIES/SERVICES	AMOUNT
170001	Funding  ACRN AA  PURCHASE REQUEST NUMBER: HQ0147968152	(b)(4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
170002	Incremental Funding	
	ACRN AB	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147969549	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1701	O&M Services/ Capabilities CPIF	(b)(4)			(b)(4)
	The contractor shall provide all services/capabilities identified in the performance work statement (PWS) attached to this task order. All task order costs, other than those specifically included in another contract line item number (CLIN), are included in this CLIN.				
	All share ratios are identified as follows: Government/Contractor. The share ratios are subject to revision in accordance with the IRES Performance Evaluation and Incentive Plan (Contract Attachment J-06).				
	FOB: Destination				
	PURCHASE REQUEST NUMBER: HQ01479681 52				
				TARGET COST	(b)(4)
				TARGET FEE	
				TOTAL TGT COST + FEE	
				MINIMUM FEE	
				MAXIMUM FEE	
				SHARE RATIO ABOVE TARGET	
				SHARE RATIO BELOW TARGET	

FSC CD: D316

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1740		(b)(4)			(b)(4)

O&M Expensed CAP: IT Hardware/Equipment  
CPIF

Contractor purchase of expensed contractor-acquired property (CAP), specifically information technology (IT) hardware (HW)/equipment (equip), necessary to provide the services/capabilities identified in the PWS attached to this task order. CAP is defined in FAR 52.245-1. IT hardware/equipment is a subset of equipment as defined in DoDI 5000.64.

Expensed CAP line items were created as an accounting mechanism designed to provide MDA better visibility and linkage of budget, obligation, expenditure, and government property data. Given the need for this level of visibility and linkage, as well as the need to include these costs as an integral component of the incentives, all task order CLINs are combined and considered a single entity for the purpose of administering the cost and performance incentives identified in the IRES PEIP (Contract Attachment J-06).

All share ratios are identified as follows: Government/Contractor. The share ratios are subject to revision in accordance with the IRES PEIP.

NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.

FOB: Destination

PURCHASE REQUEST NUMBER: HQ01 479681 52

TARGET COST  
TARGET FEE

TOTAL TGT COST + FEE  
MINIMUM FEE  
MAXIMUM FEE

SHARE RATIO ABOVE TARGET  
SHARE RATIO BELOW TARGET

(b)(4)

FSC CD: 7025

ITEM NO	SUPPLIES/SERVICES	AMOUNT
174001		

Incremental Funding

ACRN AC

PURCHASE REQUEST NUMBER: HQ0147969549

(b)(4)

ITEMNO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNITPRICE	AMOUNT
1741		(b)(4)			(b)(4)

O&M Expensed CAP: IT Hardware/Equipment  
CPIF

Contractor purchase of expensed contractor-acquired property (CAP), specifically information technology (IT) hardware (HW)/equipment (equip), necessary to provide the services/capabilities identified in the PWS attached to this task order. CAP is defined in FAR 52.245-1. IT hardware/equipment is a subset of equipment as defined in DoDI 5000.64.

Expensed CAP line items were created as an accounting mechanism designed to provide MDA better visibility and linkage of budget, obligation, expenditure, and government property data. Given the need for this level of visibility and linkage, as well as the need to include these costs as an integral component of the incentives, all task order CLINs are combined and considered a single entity for the purpose of administering the cost and performance incentives identified in the IRES PEIP (Contract Attachment J-06).

All share ratios are identified as follows: Government/Contractor. The share ratios are subject to revision in accordance with the IRES PEIP.

NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.

FOB: Destination

PURCHASE REQUEST NUMBER: HQ0147968152

TARGET COST  
TARGET FEE  
TOTAL TGT COST + FEE  
MINIMUM FEE  
MAXIMUM FEE  
SHARE RATIO ABOVE TARGET  
SHARE RATIO BELOW TARGET

(b)(4)

FSC CD: 7025

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1760		(b)(4)			(b)(4)

O&M Expensed CAP: IT Software  
 CPIF

Contractor purchase of expensed contractor-acquired property (CAP), specifically commercial-off-the-shelf (COTS) internal use software (IUS), necessary to provide the services/capabilities identified in the PWS attached to this task order. CAP is defined in FAR 52.245-1. COTS IUS is a subset of IUS as defined in DoDI 5000.76.

Expensed CAP line items were created as an accounting mechanism designed to provide MDA better visibility and linkage of budget, obligation, expenditure, and government property data. Given the need for this level of visibility and linkage, as well as the need to include these costs as an integral component of the incentives, all task order CLINs are combined and considered a single entity for the purpose of administering the cost and performance incentives identified in the IRES PEIP (Contract Attachment J-06).

All share ratios are identified as follows: Government/Contractor. The share ratios are subject to revision in accordance with the IRES PEIP.

NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.

FOB: Destination

PURCHASE REQUEST NUMBER: HQ01 479681 52

TARGET COST  
 TARGET FEE  
 TOTAL TGT COST + FEE  
 MINIMUM FEE  
 MAXIMUM FEE  
 SHARE RATIO ABOVE TARGET  
 SHARE RATIO BELOW TARGET

(b)(4)

FSC CD: 7025

ITEM NO	SUPPLIES/SERVICES	AMOUNT
176001		

Incremental Funding

ACRNAC

(b)(4)

PURCHASE REQUEST NUMBER: HQ0147969549

ITEMNO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNITPRICE	AMOUNT
1761		(b)(4)			(b)(4)

O&M Expensed CAP: IT Software  
 CPIF

Contractor purchase of expensed contractor-acquired property (CAP), specifically commercial-off-the-shelf (COTS) internal use software (IUS), necessary to provide the services/capabilities identified in the PWS attached to this task order. CAP is defined in FAR 52.245-1. COTS IUS is a subset of IUS as defined in DoDI 5000.76.

Expensed CAP line items were created as an accounting mechanism designed to provide MDA better visibility and linkage of budget, obligation, expenditure, and government property data. Given the need for this level of visibility and linkage, as well as the need to include these costs as an integral component of the incentives, all task order CLINs are combined and considered a single entity for the purpose of administering the cost and performance incentives identified in the IRES PEIP (Contract Attachment J-06).

All share ratios are identified as follows: Government/Contractor. The share ratios are subject to revision in accordance with the IRES PEIP.

NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.

FOB: Destination

PURCHASE REQUEST NUMBER: HQ0147968152

TARGET COST  
 TARGET FEE  
 TOTAL TGT COST + FEE  
 MINIMUM FEE  
 MAXIMUM FEE  
 SHARE RATIO ABOVE TARGET  
 SHARE RATIO BELOW TARGET

(b)(4)

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
7990		48	Lot		NSP

Data  
FFP

The contractor shall deliver all data identified in the contract data requirements lists (CDRL) included in the PWS attached to this task order.

Reference Section G of the basic contract. At the end of the task order period of performance, the contractor shall submit one Invoicing, Receipt, Acceptance, and Property Transfer (iRAPT) receiving report for all data previously delivered.

NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.

FOB: Destination

PURCHASE REQUEST NUMBER: HQ0147968152

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NET AMT

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
7991		35	Lot		NSP

CAP Delivery/ CDRL  
FFP

Delivery of expensed property (property that would be considered CAP as defined in FAR 52.245-1 if all line items were cost reimbursement) as required by the IRES Government Property Management Task Order.

NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.

NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.

FOB: Destination

PURCHASE REQUEST NUMBER: HQ01479681 52

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NET AMT

FSC CD: AC23

Section E - Inspection and Acceptance

INSPECTION AND ACCEPTANCE TERMS

Supplies/services will be inspected/accepted at:

CLIN	INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
1700	Destination	Government	Destination	Government
170001	N/A	N/A	N/A	N/A
170002	N/A	N/A	N/A	N/A
1701	Destination	Government	Destination	Government
1740	Destination	Government	Destination	Government
174001	N/A	N/A	N/A	N/A
1741	Destination	Government	Destination	Government
1760	Destination	Government	Destination	Government
176001	N/A	N/A	N/A	N/A
1761	Destination	Government	Destination	Government
7990	Destination	Government	Destination	Government
7991	Destination	Government	Destination	Government

Section F - Deliveries or Performance

DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	DODAAC / CAGE
1700	POP 05-MAR-2019 TO 04-MAR-2020	N/A	MISSILE DEFENSE AGENCY (MDA) (b)(6) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 (b)(6) FOB: Destination	HQ0796
170001	N/A	N/A	N/A	N/A
170002	N/A	N/A	N/A	N/A
1701	POP 05-MAR-2020 TO 04-MAR-2021	N/A	MISSILE DEFENSE AGENCY (MDA) (b)(6) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 (b)(6) FOB: Destination	HQ0796
1740	POP 05-MAR-2019 TO 04-MAR-2020	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796
174001	N/A	N/A	N/A	N/A
1741	POP 05-MAR-2020 TO 04-MAR-2021	N/A	MISSILE DEFENSE AGENCY (MDA) (b)(6) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 (b)(6) FOB: Destination	HQ0796
1760	POP 05-MAR-2019 TO 04-MAR-2020	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796
176001	N/A	N/A	N/A	N/A

1761	POP 05-MAR-2020 TO 04-MAR-2021	N/A	MISSILE DEFENSE AGENCY (MDA) (b)(6) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 (b)(6) FOB: Destination	HQ0796
7990	POP 05-MAR-2019 TO 04-MAR-2021	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796
7991	POP 05-MAR-2019 TO 04-MAR-2021	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796

Section G - Contract Administration Data

PRICED PROSPECTIVE WORK PKGS

PRICED PROSPECTIVE WORK PACKAGES

Priced Prospective Work Packages (PPWPs) represent potential requirements included in this PWS that are priced and negotiated but not yet awarded. The PPWP may be awarded/executed in accordance with clause II-03, Task Orders at a later date with a bilateral modification to the task order if/when the requirement is ultimately needed and funded. The PPWPs negotiated to date are included in Attachment 2 to the Task Order. The below referenced PPWPs have been executed:

TBD

ACCOUNTING AND APPROPRIATION DATA

AA: 04441 1 097 0100 000 N 20192019 D 2500 2P_S008P_FY19	GM-SITE-FY1919	71GM	257
AMOUNT: (b)(4)			
AB: 04441 1 097 0100 000 N 20192019 D 2500 2P_S008P_FY19	GM-SITE-FY1919	71GM	233
AMOUNT: (b)(4)			
AC: 04441 1 097 0100 000 N 20192019 D 2500 2P_S008P_FY19	GM-SITE-FY1919	71GM	310
AMOUNT: (b)(4)			

ACRN	CLIN/SLIN	CIN	AMOUNT
AA	170001	HQ0147968152000101	(b)(4)
AB	170002	HQ01479695490001	(b)(4)
AC	174001	HQ01479695490002	
	176001	HQ01479695490003	

LIMITATION OF FUNDS

LIMITATION OF FUNDS

Pursuant to the "Limitation of Funds" clause (FAR 52.232-22). The total sum presently available for payment by the Government and allotted each contract line item is:

CLIN 1 700:	(b)(4)
CLIN 1 740:	(b)(4)
CLIN 1 760:	
CLIN 1 701:	
CLIN 1 741:	
CLIN 1 761:	
Total:	(b)(4)

Based on the information available to the Government, this amount will cover costs associated with:

CLIN 1 000: through 5 January 2020  
 CLIN 1 740: through 5 January 2020  
 CLIN 1 760: through 15 November 2019  
 CLIN 1 701: TBD  
 CLIN 1 741: TBD  
 CLIN 1 761: TBD

The contractor shall invoice all CLINs in accordance with DFAR 252.232-7006, Wide Area Workflow Payment Instructions (DEC 2018).

**BILLING INSTRUCTIONS**

Payments for CLINs 1700, 1740, 1760, 1701, 1741, and 1761 will be made in accordance with FAR 52.216-7, Allowable Cost and Payment. Payments and the fee payable under the task order are subject to adjustments in accordance with FAR 52.216.10, Incentive Fee, and performance assessments conducted in accordance with the IRES Performance Evaluation and Incentive Plan (Attachment J-06).

In accordance with FAR 52.216-10(c)(1), the Contractor is authorized to bill fee by contract line item number (CLIN) not to exceed the following: (b)(4) x (cost billed against the CLIN to date, including this voucher). Overbilling of fee as a result of this change in the billing instructions shall not be refunded to the Government, unless the overbilling cannot be corrected any other way. Instead, fee shall not be billed until the contractor is no longer in an overbilling status. The Contractor shall show the fee calculation by line item on each voucher. All task order CPIF CLINs are combined and considered a single entity for the purpose of administering the cost and performance incentives identified in the IRES PEIP (Contract Attachment J-06).

WAWF email notifications. In accordance with 252.232-7006, the Contractor shall enter the following email addresses in the "Send Additional Email Notifications" field of WAWF once a document is submitted in the system:

CLIN 7990 (b)(6)  
CLIN 7991 (b)(6)

Section I - Contract Clauses

CLAUSES INCORPORATED BY REFERENCE

52.232-22	Limitation Of Funds	APR 1984
252.211-7003	Item Unique Identification and Valuation	MAR 2016
252.232-7003	Electronic Submission of Payment Requests and Receiving Reports	DEC 2018
252.232-7006	Wide Area WorkFlow Payment Instructions	DEC 2018

Section J - List of Documents, Exhibits and Other Attachments

Exhibit/Attachment Table of Contents

DOCUMENT TYPE	DESCRIPTION	PAGES	DATE
Attachment 1	PWS	28	07-MAR-2019
Attachment 2	PPWP List	1	22-FEB-2019

## **PERFORMANCE WORK STATEMENT**

**Missile Defense Agency (MDA)  
Integrated Research & Development for Enterprise Solutions (IRES)**

**Contract Number: HQ079617D0001**

**Task Order Title: Ground-Based Midcourse Defense (GMD) Operations and Training  
Support**

**Task Order Number: HQ079619F3100**

**Period of Performance: 5 March 2019 – 4 March 2021**

**Dated: 07 March 2019**

**Rev A**

<b>Task Order Revision History</b>			
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<b>Version</b>	<b>Date</b>	<b>Mod #</b>	<b>Change Description</b>
Original	TBD	Award	N/A
Rev A	3/07/2019	P00001	Updated CDRLs to reflect I9F3I00



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## **1.0 Purpose**

The purpose of the Ground-Based Midcourse Defense (GMD) Operations and Training Task Order is to provide the resources (personnel, information systems, software applications, infrastructure, and communication networks) to support operations, sustainment, and development of fielded GMD sites, contributing to the Missile Defense Agency (MDA) mission to develop and deploy an integrated, global Ballistic Missile Defense System (BMDS).

## **2.0 Background**

GMD is an MDA organization with several operational, training, and development areas (approximately 32,000 square feet total) within the Missile Defense Integration and Operations Center (MDIOC) building 720 at Schriever AFB. As such, MDA provides basic tenant support services including BMDS baseline integrity and overall mission assurance within the MDIOC facility. This task order basically provides for GMD mission unique support requirements and services above MDA standard IT Services. The task order is funded from an Operations and Maintenance appropriation; however, special one-time requirements may be funded from RDT&E sources.

## **3.0 Scope**

This task order provides the contract vehicle to obtain all necessary labor, services, equipment, and materials required to operate, sustain, and upgrade MDA equipment and infrastructure systems supporting the GMD program. IRES services determined to be outside of the baseline IT service coverage of the EITS task order or above standard MDA standards IT Services will be executed through this task order. This task order also provides a mechanism to execute facility modification requests, engineering projects, and major event support.

Task order requirements are typically limited to GMD activities at the MDIOC, however, similar requirements at other GMD fielded sites may be executed under this task order [including but not limited to Cheyenne Mountain AFS (CMAFS), Peterson AFB (PAFB), Fort Greely, AK (FGA), Fort Drum, NY (FDN), and Vandenberg AFB, CA (VAFB)] on an as required basis.

## **4.0 Service Summary Items**

Exhibit 1 provides the Service Summary Items applicable to this task order.

*Exhibit 1. SSIs and Weights Applicable to This Task Order*

---

SSI #	Title	Description
SSI 1	(b)(4)	
SSI 2		
SSI 3		
SSI 4		

SSI #	Title	Description	Performance Threshold Unacceptable	Performance Threshold Poor Performance	Performance Threshold Meeting Needs	Performance Threshold Exceptional	Performance Threshold Perfect	Weight	Assessment Method
SSI 5	(b)(4)								
SSI 6									

(b)(4)

SSI  
7

## 5.0 Contract Deliverable Requirements List (CDRL)

The point of delivery for all CDRL products, except as noted in Exhibit C, is the MDA E-CaRT system. The Contractor shall deliver all such products by saving and profiling them in E-CaRT, with the appropriate notification of delivery letter transmitted electronically to the Government's Data Management Office. Reference Exhibit C for specific CDRL delivery instructions.

### 5.1 CDRL Identification

Task	CDRL	DID	Title	Description
10.1	C001	DI-MGMT-81861A/T	19F3100: IMPR [MMM-YYYY], DFARS EVMS NA	Contains data for measuring cost and schedule performance. The IPMR is structured around seven formats that contain the content and relationships required for the electronic submissions. [Note: WBS structure and Format 1 should identify PWS ¶10.x breakdown and CLIN summaries; Format 5 analysis only required at task order (FY funding) level; Format 6 (schedule) not required]
10.1	C002	DI-MISC-80508B/T	19F3100: Task Order Status Report (TOSR), [month ending]	Provides significant accomplishments, issues, concerns, lessons learned, and risks associated with the task order. The report shall include: <ul style="list-style-type: none"><li>• A summary of all completed and open procurement actions with associated request and delivery dates</li><li>• A summary of all maintenance actions scheduled during the period and completion status</li><li>• A summary of all incident requests, associated response times, and root cause analysis</li><li>• A summary of all work requests and associated response times</li><li>• A summary of all active projects to include project identifier, work description, submission date, need date, planned/actual turnover date, change request number(s), and estimated/actual cost of the project</li><li>• Project closeout summaries that contains the final resource loaded schedule and an element of cost summary for each project</li></ul>

<b>Task</b>	<b>CDRL</b>	<b>DID</b>	<b>Title</b>	<b>Description</b>
10.2.2.1 10.3.2.1 10.4.2.1	C003	DI- MISC- 80508B/T	19F3100: Maintenance and Spare Report	Identifies all recurring maintenance/sustainment tasks planned during the current period of performance. Report should identify specific actions by room, system, or rack, and include task description and frequency. The report should also identify recommended spare equipment inventory levels based upon mission criticality, frequency of use, or long-lead time/obsolescence criteria. Includes inventory of all spares and the identification of licensing, maintenance agreements, and renewal documentation of hardware and software assets.
10.2.2.2 10.3.2.2 10.4.2.2	C004	DI- MISC- 80508B/T	19F3100: Technology Refresh Plan	Provides a summary report of all equipment items maintained by the contractor; the report shall include at a minimum: make, model number, quantity, age of item(s), recommended replacement date, replacement criticality, and an estimated cost for replacement item(s).
10.2.2.4 10.3.2.4 10.4.2.4	C005	DI- MISC- 80508B/T	19F3100: Facility Configuration Report	Provides a report on the “as built” configuration of all the facilities the contractor maintains to include requirements, functional layouts, ADPE configuration, and network connectivity. The report should include an appendix with a summary of all projects completed or in progress during the previous period of performance. The report should also include an appendix of all drawings and other configuration control documents maintained under the task order.
10.2.2.4 10.3.2.4 10.4.2.4 10.5.1.7 10.5.2.7	C006	DI- MISC- 80508B/T	19F1500, [Event or Project Title]: Engineering Documentation	Provides detailed project and engineering documentation to include the following components as applicable: project request and change orders, requirements traceability matrix (RTM), version description documents, slide packages, DoDAF artifacts, rack elevation drawings, facility construction drawings, and floor plans.

## 5.2 CDRL Tailoring

The DD Form 1423 associated with each CDRL is attached in Exhibit C:



## 6.0 Milestones

Task	Activity	Date / Days After Contract (DAC)
5.1.1.3	Baseline Review Task Order Status Review	120 DAC Monthly

Note: DAC = Days after task order period of performance start date

## 7.0 Government Property (GP) / Government Furnished Property (GFP) / Government Furnished Information (GFI) / Contractor Acquired Property (CAP)

7.1 In addition to the any GP associated with IRES Contract SOO, paragraph 6.0, the following GP is applicable to this task order:

- None

7.2 In addition to the GFP identified on IRES Contract Attachment 5, the following GFP is applicable to this task order:

- None

7.3 The following GFI is applicable to this task order:

- None

7.4 All CAP shall be managed under the terms and conditions associated with task order 18F8900 – Government Property Management task order.

## 8.0 Special Requirements

In addition to the Special Requirements identified in IRES Contract SOO, paragraph 7.0, the following are applicable to this task order:

- The task order shall be executed in accordance with MDA Security Classification Guidance with day to day activities conducted in areas designated at the SECRET level.
- The contractor should have emergency response capability to the Missile Defense Element (MDE) Sensitive Compartmented Information Facility (SCIF) at a TOP SECRET level; note that most task order requirements in the MDE SCIF can be conducted at the SECRET level with an authorized escort (TS/SCI required).

- Certain GMD areas are designated System Security Level A (SSL-A) for physical protection; access to these areas will be granted to a limited number of personnel with a permanent SECRET security clearance.
- The contractor must follow current risk management framework requirements IAW DoD Instruction 8510.01.

## 9.0 Applicable Directives / Regulations

In addition to the directives and regulations identified in the IRES Contract SOO, paragraph 8.0, the following are applicable to this task order:

Title	Originator	Date
None		

## 10.0 Performance Work Statement

The contractor shall perform the following requirements under this task order. Exhibit 2 provides the performance standards (initial response time, estimated time to repair, time to provide a situation report, and time to complete actions).

**Exhibit 2. Performance Standard Summary**

Objective Area	Applicable Paragraph	Initial Response	Estimated Time to Repair	Situation Report	Action Completed
<b>10.2 GMD Operations Sustainment</b>					
Recurring Maintenance	10.2	As Scheduled	N/A	N/A	As Scheduled
Incident Request	10.2.3.2				
• Mission Critical, Core Hours		30 min	1 hour	6 hours	24 hours
• Mission Critical, Non-Core Hours		2 hours	4 hours	6 hours	24 hours
• Non-Critical		8 hours	24 hours	N/A	72 hours
Install/Move/Add/Change (IMAC) Services	10.2.3.3				
• Urgent		N/A	N/A	N/A	3 days*
• Routine		N/A	N/A	N/A	14 days*
Documentation/Drawing Updates	10.2.2.4	Redline	N/A	N/A	30 days
<b>10.3 GMD Training &amp; Exercise Sustainment</b>					
Recurring Maintenance	10.3	As Scheduled	N/A	N/A	As Scheduled
Incident Request	10.3.3.2				
• Core Hours		1 hour	2 hours	Daily	72 hours
• Non-Core Hours		2 hours	4 hours	Daily	72 hours

Objective Area	Applicable Paragraph	Initial Response	Estimated Time to Repair	Situation Report	Action Completed
• Non-Critical		24 hours	48 hours	N/A	14 days
IMAC Services	10.3.3.3				
• Urgent		N/A	N/A	N/A	7 days*
• Routine		N/A	N/A	N/A	30 days*
Documentation/Drawing Updates	10.3.2.4	Redline	N/A	N/A	60 days
<b>10.4 General GMD Support &amp; Sustainment</b>					
Recurring Maintenance	10.4	As Scheduled	N/A	N/A	As Scheduled
Incident Request	10.4.3.2				
• Non-Critical		48 hours	72 hours	N/A	14 days
IMAC Services	10.4.3.3				
• Urgent		N/A	N/A	N/A	7 days*
• Routine		N/A	N/A	N/A	30 days*
Documentation/Drawing Updates	10.4.2.4	Redline	N/A	N/A	90 days
<b>10.5 Events &amp; Engineering Projects</b>					
Minor Project	10.5.1	N/A	N/A	N/A	90 days
Small Project	10.5.2	N/A	N/A	N/A	150 days
Documentation/Drawing Updates	10.5.1.7 10.5.2.7	Redline	N/A	N/A	60 days
* Number of days to complete action excludes procurement delivery time.					

## 10.1 Task Order Administration

This portion of this PWS contains structure, objectives and outcomes with respect to the administration of the **Task Order**. This PWS element represents the work required to administer the Task Order and the Enterprise Support of the Task Order's work and resources. For this Task Order, work is estimated at this level in the PWS (10.1, 10.2, 10.3, etc.).

### 10.1.1 Task Order Management

This PWS element represents the work specifically required to support the management of requirements of the overall Task order, which includes all reporting, briefings, awards, modifications, SSIs, etc.

#### 10.1.1.1 Stakeholder Technical Integration Management (STIM) and IRES Integration Management

Objective #1: The contractor shall manage TO work execution, resources and information to conduct, deliver, and communicate on task order delivery.

Outcomes:

- Provide a POC responsible for managing the cost, schedule, risk, and technical performance of the TO in accordance with the requirements of the PWS.
- Provide a POC to serve as a liaison to the COTR or Assistant COTR (ACOTR) who is responsible for providing insight on TO performance, to include metrics which roll up to the SSI's and monthly QPR inputs.
- Manage TO activities in accordance with the processes defined in the IRES Program Management Plan (CDRL TO8002 C008). All TO requirements are identified, managed, validated, and verified in accordance with the contractor's IRES Systems Engineering Master Plan.
- A common Enterprise Architecture vision is implemented IRES-wide to support MDA "to-be" architectures, including the identification of gaps and lessons learned.

Objective #2: The contractor shall provide task order reporting to accurately monitor status in accordance with CDRL and Milestone requirements.

Outcomes:

- IPMR and TO financial status reports for the TO are delivered monthly per CDRL requirements.
- An Integrated Baseline Review of the TO is performed within 90 days of TO award.
- TO status (e.g., technical, cost, schedule) is reported to the COTR on a monthly basis in accordance with CDRL requirements.
- TO status includes cost and schedule performance by WBS and IRES organization structure; significant accomplishments; customer concerns or issues; TO risks and mitigation status; performance against the IRES contract, SE&PI SSIs #1-#4 and Award Fee, and TO SSIs; Earned Value Management (EVM) reports, quality assurance reviews, audit results, and non-conformance finding closure reports; safety information.
- TO performance trends are identified, tracked and shared with the COTR, ACOTR, and applicable government stakeholders.

Milestone: Integrated Baseline Review

CDRL C001: Integrated Program Management Report

CDRL C002: Task Order Status Report

#### **10.1.1.2 Responsible Organization Management**

Objective #1: The contractor shall provide qualified personnel and manage those personnel to perform TO activities.

Outcomes:

- The workforce is managed efficiently, mitigating workforce surge and drawdown impacts, analyzing workforce trends, and forecasting workforce needs and hiring to those requirements.
- A trained and qualified workforce is maintained that is able to perform the functions necessary to operate, support, and sustain MDIOC facilities and systems that are required under this TO.
- The workforce delivers quality and innovative work in accordance with the policy and direction provided in the IRES Management System set of processes and tools.

Objective #2: The contractor shall maintain accountability of all property under its control and provide reporting to ensure government situational awareness of property status.

Outcomes:

- The contractor shall submit a Material Inspection and Receiving Report as required by DFARS 252.246-7000 for the delivery of all CAP classified as Equipment, Special Test Equipment, and Special Tooling by using the Invoicing, Receipt, Acceptance, and Property Transfer (iRAPT) application in the Wide Area Workflow (WAWF) e-Business Suite in accordance with the instructions provided in the CLIN 7990.

#### **10.1.1.3 Administrative Support**

Objective #1: The contractor shall provide resources to manage the contractual requirements, and provide financial oversight and performance tracking for the task order.

Outcomes:

- Task Order financial management activities ensure that task order reporting, including EVM reporting, accurately reflect the current state of TO financial performance and status.
- TO contractual deliverables are provided within the agreed to schedule, in the correct formats and to a high level of quality.
- Based on TO performance trends, periodic audits of task estimates are performed, TO risks are tracked, and schedule accuracy is evaluated. TO performance is continuously evaluated and improved using objective performance measures.
- Provide configuration management, quality and mission assurance, and risk management contractual requirements.
  - TO asset configurations are managed in accordance with the IRES Configuration Management Plan (CDRL TO8002 C022).
  - TO risks are managed in accordance with the IRES Risk Management Plan (CDRL TO8002 C021).
  - The quality of TO activities is assured in accordance with the Quality Assurance Program Plan (CDRL TO8002 C020).
  - TO supplies are purchased in accordance with the IRES Supply Chain Risk Management Plan including an authorized suppliers list for critical systems.

Objective #2: The contractor shall provide information security, physical security, export control and cybersecurity training and processes in accordance with federal, DoD and agency requirements to safeguard the conduct of the MDA mission through the IRES contract.

Outcomes:

- MDA-identified Critical Program Information (CPI) and Critical Technologies (CT) are protected to the standards required in DoDI 5200.39
- All Controlled Unclassified Information is protected from unauthorized access, disclosure, incident, or compromise.
- All contractor-managed TO systems maintain System Authorization in accordance with DoDI 8510.01, Risk Management Framework.
- Cybersecurity requirements and considerations are integrated into TO systems engineering, design, and risk management processes.
- All contractor-managed TO systems are operated in accordance with cybersecurity requirements.
- Security administration is provided to comply with applicable DoD, MDA, and local security directives, policies, procedures, and instructions for physical security and for the safeguarding of BMDS controlled and classified information, to include proper document marking, classification, storage, accountability, transmittal, and destruction.
- Personnel requiring privileged access maintain appropriate computing environment certifications for the operating system(s) and/or security related tools/devices they support or operate.

### **10.1.2 Objective: Enterprise Task Order Support**

This PWS element represents the work of IRES enterprise support to the Task Order's work and resources.

#### **10.1.2.1 Enterprise Management**

Objective #1: The contractor shall provide the resources and data to enable enterprise management of this task order for human resources, business/finance, and JEMS in support of integration.

Outcomes:

- JEMS portal environment provides transparent and integrated workforce and government data availability and TO support for data reporting, including metrics/SSI dashboards.
- Contracting office provides subcontracting, limitation of funds oversight and TO modification and award to the STIM and COTR in accordance with PWS and contractual requirements.
- MDA customers and stakeholders have on-demand access to JEMS portal and associated dashboards.

- TO export control requirements are managed to comply with DoD and MDA requirements, including International Traffic in Arms Regulations (ITAR) (22 CFR 120-130) and Technical Assistance Agreements processes as required.
- An IRES procurement system is maintained to support the procurement needs of the task order.
- HR staff and functions are available to support TO needs for recruiting, hiring, and training a qualified workforce which meets the TO requirements.
- Business office functions which enable payroll, timekeeping, accounts receivable/payable, and travel services required by the TO.
- Small business and teammate management in support of MDA and IRES small business goals.
- TO supplies are purchased in accordance with the IRES Supply Chain Risk Management Plan including an authorized suppliers list for critical systems.

#### **10.1.2.2 Mission and Performance Assurance**

Objective #1: The contractor shall perform Mission and Performance Assurance functions to ensure the products and services provided under this TO utilize established using integrated processes and practices that are standardized across the IRES contract.

Outcomes:

- Deliver an EVM system which provides TO required IPMR formats and IBR/BR artifacts.
- The TO IMS are structures for integration into the contractor's IRES Integrated Schedule (IIS).
- IRES PAL provides systems integration and a common MDIOC system vision and oversight that are integrated enterprise-wide through the Program Management Plan.
- Critical assets and resources are managed, to include conflict forecasting and de-confliction, across the IRES enterprise.
- Risk management services documentation, tracking and analysis of TO risks.

Objective #2: The contractor shall track, manage and report on TO performance measures, including metrics, lessons learned and accomplishments.

Outcomes:

- Based on TO performance trends, periodic audits of task estimates are performed, TO risks are tracked, and schedule accuracy is evaluated.
- All TO CDRLs are tracked and delivered on time and with accurate information.
- Customer satisfaction with the services and products delivered in this TO is solicited and tracked.
- TO lessons learned, best practices, and accomplishments are collected and shared with the COTR, ACOTR, other government stakeholders, and IRES workforce.

Objective #3: The contractor shall incorporate Mission Assurance activities into all TOs.

Outcomes:

- TO risks are managed in accordance with the IRES Risk Management Plan (CDRL TO8002 C021).
- The quality of TO activities is assured in accordance with the Quality Assurance Program Plan (CDRL TO8002 C020).

Objective #4: The contractor shall provide information security, physical security, and export control processes in accordance with federal, DoD and agency requirements to safeguard the conduct of the MDA mission through the IRES contract.

Outcomes:

- Security administration is provided to comply with applicable DoD, MDA, and local security directives, policies, procedures, and instructions for industrial security and for the safeguarding of BMDS controlled and classified information.
- Employees are in and out-processed, RABs and CACs are renewed, and clearance and special access requirements are monitored and coordinated. ADPE letters for removal and introduction of MDA-issued equipment in the Schriever AFB RAs by employees is coordinated.
- Teammate, subcontractor, and visitor security requirements are processed.

Objective #5: The contractor shall promote and enforce safe and sustainable work practices to prevent personnel injury, damage to property or harm to the environment.

Outcomes:

- TO activities are performed in accordance with the Mishap Prevention and Safety Plan (CDRL TO8002 C024) to prevent personnel injury and property damage.
- TO activities are performed in accordance with the Environmental Program Plan (CDRL TO8002 C023) to prevent harm to the environment and maximize sustainable practices.

### **10.1.2.3 Functional Management and Administrative Support**

Objective #1: The contractor shall provide a functional management oversight structure to lead, manage and assign resources within their organization.

Outcomes:

- The Event and Warfighter Support (EWS) Director leads and manages the department to meet IRES and its applicable task orders' requirements.
- The EWS Director delivers IRES products and services which includes the correct people, processes, and tools to meet mission requirements.

- The EWS Directors tactically allocates and strategically forecasts resources within EWS and its applicable task orders to ensure the sustainment, renewal, and growth of the technical expertise within the department that meets current and future requirements.
- The EWS Department provides training, certifications, and career growth of each employee within the department.
- The EWS Director mentors and oversees the execution of event engineering, asset operations and sustainment, systems integration, and analysis to ensure the technical success of each task order within the department.

Objective #2: The contractor shall provide functional administrative and management support as required to communicate and deliver enterprise integration.

Outcomes:

- Coordination between IRES senior managers and government leaders with customer service, IRES integration and processes, and communications to support and ensure accomplishment of TO objectives
- The EWS Department develops, standardizes, and deploys processes for event engineering, asset operations and sustainment, systems integration, and analysis.
- The EWS Department coordinates, integrates and delivers innovations to the task order mission areas, and IRES as a whole, to optimize efficiencies and mission effectiveness.

### **10.1.3 Objective: Task Order Award and Modification**

Objective #1: The contractor shall provide the resources and data to provide timely and accurate proposals to government requirements for proposal and other contract modification actions.

## **10.2 GMD Operations Sustainment**

GMD Operations sustainment encompasses planning, maintenance, and execution of all operations and sustainment requirements as they affect GMD Operational systems and work areas. Principal work areas include GMD Operations in Sector 1207, GMD Fire Control GFC) Server Room 2209, and associated areas in the 1100 Quad [GMD Element Coordination Information Center (GECIC) and BMDS Network Operations Support Center (BNOSC)].

### **10.2.1 Activity Assistance**

The contractor shall facilitate the identification and scheduling of facility maintenance, inspection, project-related visits, and inventory requirements that are performed in these areas under other IRES task orders. In addition, the contractor shall monitor and report other MDA/IRES task order activities that could potentially have an operational impact on GMD areas.

- 10.2.1.1 Maintain awareness of GMD activities and events through attendance at GMD staff meetings, participation in project/event meetings, and direct interface with GMD staff.

- 10.2.1.2 Coordinate, facilitate, and provide escort for personnel not permanently authorized access to GMD controlled areas for facility maintenance, inspection, project-related visits, and inventory activities. This includes the 1207 SCIF area.
- 10.2.1.3 Identify and mitigate/de-conflict MDA and IRES activities that could potentially have an operational impact on GMD equipment or mission space
- 10.2.1.4 Coordinate MDIOC level freeze waivers as necessary to minimize and/or eliminate any risk to GMD activities and events.

## **10.2.2 Capability Sustainment**

The contractor shall provide services necessary for the sustainment of MDA equipment and infrastructure supporting the GMD program. Sustainment activities include proactive/corrective maintenance, hardware/software refresh planning, information assurance, network administration services, and configuration management. Equipment supported includes networked and non-networked desktop/laptop computers, data communications systems, voice communications systems, audio-visual (AV) systems, and video teleconference (VTC) systems.

- 10.2.2.1 Maintain and refresh hardware, software and current capabilities in accordance with industry best maintenance practices ensuring an appropriate mix between inspection, proactive, and corrective maintenance, repair, and replacement to maintain availability of systems, equipment and networks. Document and execute maintenance plans, schedules, and performance expectations. Utilize system performance and maintenance trending analysis to manage the maintenance program. Develop sparing methodology based upon mission criticality, frequency of use, acquisition lead-time, and vendor support criteria. Monitor approved spare levels and recommend procurement action to replenish stock.
- 10.2.2.2 Develop criteria for technology refresh of hardware, software, and current capabilities in accordance with industry best practices to ensure availability. Leverage MDA Information Technology (IT) support policy to minimize GMD investments for IT hardware and software above MDA standards. Manage and provide the government with real-time access to a database that conforms to Defense Property Accountability System (DPAS) requirements identifying the location and acquisition details for all GMD acquired assets. Implement an integrated approach to operate and manage all GMD hardware and software investments that provides for the continuous identification, selection, control, life-cycle management, and evaluation of the investments in a structured process resulting in a systematic method to maximize investment return and allow predictable budgeting. Manage and maintain currency on all licensing and update services for third-party software, software drivers, and diagnostic software.

- 10.2.2.3 Maintain protection from intrusion and exploitation of Information systems as required by MDA and DoD standards. Manage applicable networks and network components including supporting documentation to ensure RMF accreditation is maintained. Provide network administration services to include cable plant management and network distribution in all LAN environment locations as well as the distribution of precision timing and video cable circuits.
- 10.2.2.4 Maintain conformance to a configuration management/system engineering process to ensure standards are established to control and manage, in optimum condition, system capabilities. Track and maintain the currency of documentation for facility, equipment, cabling configuration, and operating procedures to perform the GMD mission. Develop baselined systems artifacts (e.g. Interface Control Documents, Network Interface Control Documents, schematic, functional system overlay and architectural drawings compliant with DoDAF v2.0, etc.) that clearly diagram and articulate the system or components performance, function, and physical attributes and functional relation between parts, subsystems, and systems. Manage and provide the government access to drawing repositories and other applicable configuration control documentation in accordance with Exhibit 2.

### **10.2.3 Customer Support Services**

The contractor shall provide customer support services inclusive of service desk operations, touch-labor client services, conference room system support, Install/Move/Add/Change (IMAC) services, VIP support, major event activities, and engineering project services.

- 10.2.3.1 Provide Tier II help desk support during core business hours. Ensure knowledge base maintenance and development enabling first call resolution of help desk calls.
- 10.2.3.2 Provide an incident request process/system that allows effective identification, tracking, and resolution of all recurring maintenance findings, troubleshooting, and break/fix service restoration requests. Identify actions as urgent or routine based upon actual/potential impact on mission system availability. Create the capability for all GMD users and service providers to submit, identify mission impact, and inquire as to the status of subject requests. Performance standards (initial response time, estimated time to repair, time to provide a situation report, and time to complete actions) are provided in Exhibit 2.
- 10.2.3.3 All requests for engineering or Install/Move/Add/Change (IMAC) services requires GMD review and approval. Provide a work request process/system that allows GMD appointed personnel to submit, assess, validate, vet, prioritize, approve, track, and evaluate subject work requests (Content of contractor response for each request shall include scope, need-date, point(s) of contact, solution, breakout of activities, schedule, cost, and materials). Implement a change request process for schedule

changes. Create a categorical binning system for approval and vetting for projects, with respect to urgency and project size. Implement a streamlined/agile process for work requests. The performance standards (time to complete actions) for urgent/routine IMAC requirements are provided in Exhibit 2.

### **10.3 GMD Training & Exercise Sustainment**

GMD Training and Exercise sustainment encompasses planning, maintenance, and execution of all operations and sustainment requirements as they affect the GMD Training and Exercise systems and work areas. Principal work areas include the Joint GMD Training and Exercise Center (J-GTEC) and other sustainment training areas in Quad 3400, training systems in Data Center Rooms 2201/2209, and the Command Launch Equipment Trainer in Room 114.

#### **10.3.1 Activity Assistance**

The contractor shall facilitate the identification and scheduling of facility maintenance, inspection, project-related visits, and inventory requirements that are performed in these areas under other IRES task orders. In addition, the contractor shall monitor and report other MDA/IRES task order activities that could potentially have an operational impact on GMD areas.

- 10.3.1.1 Maintain awareness of GMD activities and events through attendance at GMD staff meetings, participation in project/event meetings, and direct interface with GMD staff.
- 10.3.1.2 Coordinate, facilitate, and provide access to personnel not permanently authorized access to GMD controlled areas for facility maintenance, inspection, project-related visits, and inventory activities.
- 10.3.1.3 Identify and mitigate/de-conflict MDA and IRES activities that could potentially have an operational impact on GMD equipment or mission space
- 10.3.1.4 Coordinate MDIOC level freeze waivers as necessary to minimize and/or eliminate any risk to GMD activities and events.

#### **10.3.2 Capability Sustainment**

The contractor shall provide services necessary for the sustainment of MDA equipment and infrastructure supporting the GMD program. Sustainment activities include proactive/corrective maintenance, hardware/software refresh planning, information assurance, network administration services, and configuration management. Equipment supported includes networked and non-networked desktop/laptop computers, data communications systems, voice communications systems, audio-visual (AV) systems, and video teleconference (VTC) systems.

- 10.3.2.1 Maintain hardware, software and current capabilities in accordance with industry best maintenance practices ensuring the proper mix between inspection, proactive, and

- corrective maintenance to maximize availability. Document and execute maintenance plans, schedules, and performance expectations. Utilize system performance and maintenance trending analysis to manage the maintenance program. Develop sparing methodology based upon mission criticality, frequency of use, acquisition lead-time, and vendor support criteria. Monitor approved spare levels and recommend procurement action to replenish stock.
- 10.3.2.2 Develop criteria for technology refresh of hardware, software, and current capabilities in accordance with industry best practices to ensure availability. Leverage MDA Information Technology (IT) support policy to minimize GMD investments for IT hardware and software above MDA standards. Manage and provide the government with real-time access to a database that conforms to Defense Property Accountability System (DPAS) requirements identifying the location and acquisition details for all GMD acquired assets. Implement an integrated approach to operate and manage all GMD hardware and software investments that provides for the continuous identification, selection, control, life-cycle management, and evaluation of the investments in a structured process resulting in a systematic method to maximize investment return and allow predictable budgeting. Manage and maintain currency on all licensing and update services for third-party software, software drivers, and diagnostic software.
- 10.3.2.3 Maintain protection from intrusion and exploitation of Information systems as required by MDA and DoD standards. Manage applicable networks and network components including supporting documentation to ensure RMF accreditation is maintained. Provide network administration services to include cable plant management and network distribution in all LAN environment locations as well as the distribution of precision timing and video cable circuits.
- 10.3.2.4 Maintain conformance to a configuration management/system engineering process to ensure standards are established to control and manage, in optimum condition, system capabilities. Track and maintain the currency of documentation for facility, equipment, cabling configuration, and operating procedures to perform the GMD mission. Develop baselined systems artifacts (e.g. Interface Control Documents, Network Interface Control Documents, schematic, functional system overlay and architectural drawings compliant with DoDAF v2.0, etc.) that clearly diagram and articulate the system or components performance, function, and physical attributes and functional relation between parts, subsystems, and systems. Manage and provide the government access to drawing repositories and other applicable configuration control documentation in accordance with Exhibit 2

### **10.3.3 Customer Support Services**

The contractor shall provide customer support services inclusive of service desk operations, touch-labor client services, conference room system support, Install/Move/Add/Change (IMAC) services, VIP support, major event activities, and engineering project services.

10.3.3.1 Provide Tier II help desk support during core business hours. Ensure knowledge base maintenance and development enabling first call resolution of help desk calls.

10.3.3.2 Provide an incident request process/system that allows effective identification, tracking, and resolution of all recurring maintenance findings, troubleshooting, and break/fix service restoration requests. Actions shall be identified as urgent or routine based upon actual/potential impact on mission system availability. All GMD users and service providers should be able to submit, identify mission impact, and inquire as to the status of subject requests. Performance standards (initial response time, estimated time to repair, time to provide a situation report, and time to complete actions) are provided in Exhibit 2.

10.3.3.3 All requests for new work or involving Install/Move/Add/Change (IMAC) services will require GMD review and approval. Provide a work request process/system that allows GMD appointed personnel to submit, assess, validate, vet, prioritize, approve, track, and evaluate subject work requests. Content of contractor response for each request should include scope, need-date, point(s) of contact, solution, breakout of activities, schedule, cost, and materials. Implement a change request process for schedule changes. Create a categorical binning system for approval and vetting for projects, with respect to urgency and project size. Implement a streamlined/agile process for work requests. The performance standards (time to complete actions) for urgent/ routine IMAC requirements are provided in Exhibit 2.

### **10.4 General GMD Support and Sustainment**

General GMD Support and Sustainment encompasses support for common areas, conference/VTC rooms, general administrative work areas, and implementation of GMD security, work approval, and other administrative policies. This task includes support to other GMD element requirements and areas not specifically identified under operations and training support tasks above including the GFC Test Analysis Room (3404-B), RITE Room (3401-09), G-DART (3309), GM Office (3101-04), and outer hallway rooms (333).

#### **10.4.1 Activity Assistance**

The contractor shall facilitate the identification and scheduling of facility maintenance, inspection, project-related visits, and inventory requirements that are performed in these areas under other IRES task orders. In addition, the contractor shall perform on-site facility technical services and security management functions for designated areas (currently B720, third floor areas) to ensure compliance with MDIOC, MDA and DoD standards.

- 10.4.1.1 Maintain awareness of GMD activities and events through attendance at GMD staff meetings, participation in project/event meetings, and direct interface with GMD staff.
- 10.4.1.2 Coordinate, facilitate, and provide access to personnel not permanently authorized access to GMD controlled areas for facility maintenance, inspection, project-related visits, and inventory activities.
- 10.4.1.3 Identify and mitigate/de-conflict MDA and IRES activities that could potentially have an operational impact on GMD equipment or mission space
- 10.4.1.4 Coordinate MDIOC level freeze waivers as necessary to minimize and/or eliminate any risk to GMD activities and events.
- 10.4.1.5 Perform duties as the Security Assistant as defined in the Standard Operating Procedure (SOP) of the subject area. Coordinate for the Security Manager with MDA Security Personnel on all physical and information security issues and tasks. Develop and maintain SOP documentation in accordance with the standard MDA procedures.
- 10.4.1.7 Manage access control to controlled areas.
- 10.4.1.8 Perform block captain activities in accordance with latest government directions.
- 10.4.1.9 Manage and process incoming and outgoing Visit Authorization Requests.
- 10.4.1.10 Maintain and manage open storage certification requirements. Provide guidance to occupants on Security Classification requirements. Receive, generate and reproduce classified material up to the SECRET classification.
- 10.4.1.11 Perform conference and VTC room scheduling and publish the reservation results.
- 10.4.1.12 Set up classified and unclassified VTC equipment and connections.
- 10.4.1.13 Report to the MDIOC Service Desk when classified and unclassified printers are not operational and facilitate paper and toner replacements.
- 10.4.1.14 Ensure the "Unclassified Sensitive/FOUO/Proprietary Information" recycle bins are serviced through the MDIOC Service Desk.

#### **10.4.2 Capability Sustainment**

The contractor shall provide services necessary for the sustainment of MDA equipment and infrastructure supporting the GMD program. Sustainment activities include proactive/corrective maintenance, hardware/software refresh planning, information assurance, network administration services, and configuration management. Equipment supported includes networked and non-

networked desktop/laptop computers, data communications systems, voice communications systems, audio-visual (AV) systems, and video teleconference (VTC) systems.

- 10.4.2.1 Maintain hardware, software and current capabilities in accordance with industry best maintenance practices ensuring the proper mix between inspection, proactive, and corrective maintenance to maximize availability. Document and execute maintenance plans, schedules, and performance expectations. Utilize system performance and maintenance trending analysis to manage the maintenance program. Develop sparing methodology based upon mission criticality, frequency of use, acquisition lead-time, and vendor support criteria. Monitor approved spare levels and recommend procurement action to replenish stock.
- 10.4.2.2 Develop criteria for technology refresh of hardware, software, and current capabilities in accordance with industry best practices to ensure availability. Leverage MDA Information Technology (IT) support policy to minimize GMD investments for IT hardware and software above MDA standards. Manage and provide the government with real-time access to a database that conforms to Defense Property Accountability System (DPAS) requirements identifying the location and acquisition details for all GMD acquired assets. Implement an integrated approach to operate and manage all GMD hardware and software investments that provides for the continuous identification, selection, control, life-cycle management, and evaluation of the investments in a structured process resulting in a systematic method to maximize investment return and allow predictable budgeting. Manage and maintain currency on all licensing and update services for third-party software, software drivers, and diagnostic software.
- 10.4.2.3 Maintain protection from intrusion and exploitation of Information systems as required by MDA and DoD standards. Manage applicable networks and network components including supporting documentation to ensure RMF accreditation is maintained. Provide network administration services to include cable plant management and network distribution in all LAN environment locations as well as the distribution of precision timing and video cable circuits.
- 10.4.2.4 Maintain conformance to a configuration management/system engineering process to ensure standards are established to control and manage, in optimum condition, system capabilities. Track and maintain the currency of documentation for facility, equipment, cabling configuration, and operating procedures to perform the GMD mission. Develop baselined systems artifacts (e.g. Interface Control Documents, Network Interface Control Documents, schematic, functional system overlay and architectural drawings compliant with DoDAF v2.0, etc.) that clearly diagram and articulate the system or components performance, function, and physical attributes and functional relation between parts, subsystems, and systems. Manage and provide

the government access to drawing repositories and other applicable configuration control documentation in accordance with Exhibit 2

#### **10.4.3 Customer Support Services**

The contractor shall provide customer support services inclusive of service desk operations, touch-labor client services, conference room system support, Install/Move/Add/Change (IMAC) services, VIP support, major event activities, and engineering project services.

10.4.3.1 Provide Tier II help desk support during core business hours. Ensure knowledge base maintenance and development enabling first call resolution of help desk calls.

10.4.3.2 Provide an incident request process/system that allows effective identification, tracking, and resolution of all recurring maintenance findings, troubleshooting, and break/fix service restoration requests. General support area requirements will be considered routine. All GMD users and service providers should be able to submit, identify mission impact, and inquire as to the status of subject requests. Performance standards (initial response time, estimated time to repair, time to provide a situation report, and time to complete actions) are provided in Exhibit 2.

10.4.3.3 All requests for new work or involving Install/Move/Add/Change (IMAC) services will require GMD review and approval. Provide a work request process/system that allows GMD appointed personnel to submit, assess, validate, vet, prioritize, approve, track, and evaluate subject work requests. Content of contractor response for each request should include scope, need-date, point(s) of contact, solution, breakout of activities, schedule, cost, and materials. Implement a change request process for schedule changes. Create a categorical binning system for approval and vetting for projects, with respect to urgency and project size. Implement a streamlined/agile process for work requests. The performance standards (time to complete actions) for urgent/ routine IMAC requirements are provided in Exhibit 2.

#### **10.5 Events and Engineering Projects**

The contractor shall provide technical oversight for all phases of project planning, design, scheduling, execution and reporting to ensure technical solutions for projects meet their mission, goals, and objectives. The Contractor shall implement solutions, upgrades, enhancements and reconfigurations completing the planning, design, procurement, implementation, documentation and configuration management activities.

Projects are categorized as Minor and Small. Priced Prospective Work Packages (PPWPs) will be executed to meet surge requirements.

The source and timing of available funds may also require that new CLINs be established in conjunction with PPWP execution.

### 10.5.1 Objective – Minor Projects

The Contractor shall plan, design, schedule, and execute minor projects. Minor projects are characterized as those projects that historically include new work requests that are above the scope of an IMAC request and require planning, resource scheduling, or procurement action. Typical projects include support for minimal system configuration changes or upgrades to a limited area (room or cubicle).

A customer turnover date will be negotiated for each project based upon complexity and need date. The contractor should have the capability to meet the performance standards (time to complete actions) that are provided in Exhibit 2.

The COTR will issue technical direction letters (TDLs) for all minor project tasks.

Outcomes:

- 10.5.1.1 Operate in the context of the System Engineering Management Plan (SEMP) and established governance processes reflected through standardized engineering artifacts and an integrated systems engineering approach to design efforts to meet technical requirements.
- 10.5.1.2 Collaborate with government to obtain required CIO and DX approvals as required.
- 10.5.1.3 Perform project oversight to include customer coordination and communications and respond to requests for information and problem resolution.
- 10.5.1.4 Plan and develop sequenced, resource-loaded schedules. Identify resources needed to accomplish the project and ensure all resources have the proper work authorizations. Identify risks, work sequencing, critical paths, and procurement lead-times.
- 10.5.1.5 Initiate requirements management activities. Document and track requirements in a Requirements Traceability Matrix (RTM) which identifies specific and derived requirements.
- 10.5.1.6 Develop design solutions and conduct design reviews (preliminary and final) for government approval. Participate in required MDIOC review boards (Project Steering Committee, Design Review Board, Engineering and Architecture Board).
- 10.5.1.7 Develop, maintain, and coordinate technical documentation to include Technical Data Packages, engineering drawings, and interface control specifications for existing systems that require documentation or because of newly developed and/or modified systems. Ensure fully coordinated, redlined change documents are available for the government user and service technicians at customer turnover date; formal configuration control documentation and drawings updated and posted within 60 days of work/project completion.

## CDRL C006: Baseline Engineering Documentation

10.5.1.8 Execute a project change management process.

10.5.1.9 Complete project close out activities.

### PPWPs (Minor Project Surge)

Execute additional minor projects with a labor and/or material/hardware component. The labor PPWP can be executed up to 100 times and the material/hardware PPWP can be executed up to 100 times.

### 10.5.2 Objective – Small Projects

The Contractor shall plan, design, schedule, and execute small sized projects. Small projects are characterized as those projects that historically include new work requests that are above the scope of a minor project and require significant planning, resource scheduling, or procurement action. Typical projects include support for significant system configuration changes or upgrades to a significant area (large room, entire Quad, or site-wide).

A customer turnover date will be negotiated for each project based upon complexity and need date. The contractor should have the capability to meet the performance standards (time to complete actions) that are provided in Exhibit 2.

Each small project shall be defined through a Mission Support Task (MST). After the MST is issued the contractor shall provide an engineering estimate, engineering artifacts, and implementation plan to the COTR as outlined in the MST. Upon stakeholder agreement the Contracting Officer will provide an authority to proceed for the contractor to execute and complete the project. The contractor shall establish a discrete work package for each MST. All MSTs will be added as an attachment to the PWS. The Task Change Requirement (TCR) process shall be followed when there is a need to document and communicate a potential cost, schedule, or requirements change to the MST.

#### Outcomes:

10.5.2.1 Operate in the context of the System Engineering Management Plan (SEMP) and established governance processes reflected through standardized engineering artifacts and an integrated systems engineering approach to design efforts to meet technical requirements.

10.5.2.2 Collaborate with government to obtain required CIO and DX approvals as required

10.5.2.3 Perform project oversight to include customer coordination and communications and respond to requests for information and problem resolution.

- 10.5.2.4 Plan and develop sequenced, resource-loaded schedules. Identify resources needed to accomplish the project and ensure all resources have the proper work authorizations. Identify risks, work sequencing, critical paths, and procurement lead-times.
- 10.5.2.5 Initiate requirements management activities. Document and track requirements in a Requirements Traceability Matrix (RTM) which identifies specific and derived requirements.
- 10.5.2.6 Develop design solutions and conduct design reviews (preliminary and final) for government approval. Participate in required MDIOC review boards (Project Steering Committee, Design Review Board, Engineering and Architecture Board ).
- 10.5.2.7 Develop, maintain, and coordinate technical documentation to include Technical Data Packages, engineering drawings, and interface control specifications for existing systems that require documentation or because of newly developed and/or modified systems. Ensure fully coordinated, redlined change documents are available for the government user and service technicians at customer turnover date; formal configuration control documentation and drawings updated and posted within 60 days of work/project completion.

CDRL C006: Baseline Engineering Documentation

- 10.5.2.8 Execute a project change management process.
- 10.5.2.9 Complete project close out activities.
- 10.5.2.10 Provide all closeout documentation to include a project summary, final resource-loaded schedule and an element of cost summary for each project in the in the monthly Task Order Status Review (CDRL C003).

PPWPs (Small Project Surge)

Execute additional small projects with a labor and/or material/hardware component. The labor PPWP can be executed up to 24 times and the material/hardware PPWP can be executed up to 24 times.

<b>ORDER FOR SUPPLIES OR SERVICES</b>										PAGE 1 OF 13	
1. CONTRACT/PURCH. ORDER/AGREEMENT NO. HQ079617D0001			2. DELIVERY ORDER/CALL NO. HQ079619F7300		3. DATE OF ORDER/CALL (YYYYMMDD) 2018 Nov 28		4. REQ. PURCH. REQUEST NO. See Schedule		5. PRIORITY DX-C9		
6. ISSUED BY MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300				7. ADMINISTERED BY (if other than 6) DCMA HUNTSVILLE 1040 RESEARCH BLVD SUITE 100 MADISON AL 35758-2040		8. DELIVERY FOB <input checked="" type="checkbox"/> DESTINATION <input type="checkbox"/> OTHER  (See Schedule if other)					
9. CONTRACTOR JACOBS TECHNOLOGY INC. 560 WILLIAM NORTHERN BLVD. TULLAHOMA TN 37388-4727				10. DELIVER TO FOR POINT BY (Date) (YYYYMMDD) <b>SEE SCHEDULE</b>		11. MARK IF BUSINESS IS <input type="checkbox"/> SMALL <input type="checkbox"/> SMALL DISADVANTAGED <input type="checkbox"/> WOMEN-OWNED					
14. SHIP TO MISSILE DEFENSE AGENCY (MDA) (b)(6) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300				15. PAYMENT WILL BE MADE BY DFAS COLUMBUS CENTER SOUTH ENTITLEMENT OPERATIONS P.O. BOX 182264 COLUMBUS OH 43218-2264		13. MAIL INVOICES TO THE ADDRESS IN BLOCK See Item 15					
<div style="display: flex; justify-content: space-between;"> <div> 16. TYPE OF ORDER DELIVERY/ CALL PURCHASE </div> <div> X  </div> <div> This delivery order/call is issued on another Government agency or in accordance with and subject to terms and conditions of above numbered contract.   Reference your quote dated  Furnish the following on terms specified herein, REF: </div> </div>											
ACCEPTANCE. THE CONTRACTOR HEREBY ACCEPTS THE OFFER REPRESENTED BY THE NUMBERED PURCHASE ORDER AS IT MAY PREVIOUSLY HAVE BEEN OR IS NOW MODIFIED, SUBJECT TO ALL OF THE TERMS AND CONDITIONS SET FORTH, AND AGREES TO PERFORM THE SAME.											
<div style="display: flex; justify-content: space-between;"> <div>NAME OF CONTRACTOR</div> <div>SIGNATURE</div> <div>TYPED NAME AND TITLE</div> <div>DATE SIGNED (YYYYMMDD)</div> </div> <input checked="" type="checkbox"/> If this box is marked, supplier must sign Acceptance and return the following number of copies: 1											
17. ACCOUNTING AND APPROPRIATION DATA/ LOCAL USE  See Schedule											
18. ITEM NO.		19. SCHEDULE OF SUPPLIES/ SERVICES			20. QUANTITY ORDERED/ ACCEPTED*		21. UNIT		22. UNIT PRICE		23. AMOUNT
		SEE SCHEDULE									
* If quantity accepted by the Government is same as quantity ordered, indicate by X. If different, enter actual quantity accepted below quantity ordered and encircle.					24. UNITED STATES OF AMERICA (b)(6) mda.mil		25. TOTAL \$5,423,021.00 EST		26. DIFFERENCES		
27a. QUANTITY IN COLUMN 20 HAS BEEN <input type="checkbox"/> INSPECTED <input type="checkbox"/> RECEIVED <input type="checkbox"/> ACCEPTED, AND CONFORMS TO THE CONTRACT EXCEPT AS NOTED											
b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE					c. DATE (YYYYMMDD)		d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE				
e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE					28. SHIP NO.		29. DO VOUCHER NO.		30. INITIALS		
f. TELEPHONE NUMBER					g. E-MAIL ADDRESS		32. PAID BY		33. AMOUNT VERIFIED CORRECT FOR		
36. I certify this account is correct and proper for payment.					31. PAYMENT <input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL				34. CHECK NUMBER		
a. DATE (YYYYMMDD)		b. SIGNATURE AND TITLE OF CERTIFYING OFFICER							35. BILL OF LADING NO.		
37. RECEIVED AT		38. RECEIVED BY		39. DATE RECEIVED (YYYYMMDD)		40. TOTAL CONTAINERS		41. S/R ACCOUNT NO.		42. S/R VOUCHER NO.	

Section B - Supplies or Services and Prices

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1000	<div>(b)(4)</div> <div>Services/Capabilities</div> <div>CPIF</div> <div>The contractor shall provide all services/capabilities identified in the performance work statement (PWS) attached to this task order. All task order costs, other than those specifically included in another contract line item number (CLIN ), are included in this CLIN.</div> <div>(b)(4)</div> <div>All share ratios are identified as follows (b)(4) Government (b)(4) Contractor. The share ratios are subject to revision in accordance with the IRES Performance Evaluation and Incentive Plan (Contract Attachment J-06)</div> <div>FOB: Destination</div> <div>PURCHASE REQUEST NUMBER: HQ0147967840</div>	(b)(4)			(b)(4)
				TARGET COST	(b)(4)
				TARGET FEE	
				TOTAL TGT COST + FEE	
				MINIMUM FEE	
				MAXIMUM FEE	
				SHARE RATIO ABOVE TARGET	
				SHARE RATIO BELOW TARGET	

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100001	Inc Funding	
	ACRN AA	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147967840	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100002	Inc Funding	
	ACRNAB	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147967840-0001	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1040		(b)(4)			(b)(4)

Expensed CAP: IT HW/Equip  
CPIF

Contractor purchase of expensed contractor-acquired property (CAP), specifically information technology (IT) hardware (HW)/equipment (equip), necessary to provide the services/capabilities identified in the PWS attached to this task order. CAP is defined in FAR 52.245-1. IT hardware/equipment is a subset of equipment as defined in DoDI 5000.64.

Expensed CAP line items were created as an accounting mechanism designed to provide MDA better visibility and linkage of budget, obligation, expenditure, and government property data. Given the need for this level of visibility and linkage, as well as the need to include these costs as an integral component of the incentives, all task order CLINs are combined and considered a single entity for the purpose of administering the cost and performance incentives identified in the IRES PEIP (Contract Attachment J-06).

All share ratios are identified as follows: Government Contractor. The share ratios are subject to revision in accordance with the IRES PEIP.

NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.  
FOB: Destination  
PURCHASE REQUEST NUMBER: HQ0147967840

TARGET COST  
TARGET FEE  
TOTAL TGT COST + FEE  
MINIMUM FEE  
MAXIMUM FEE  
SHARE RATIO ABOVE TARGET  
SHARE RATIO BELOW TARGET

(b)(4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104001	Inc Funding	
	ACRNAC	(b)(4)
	PURCHASE REQUEST NUMBER: HQ01 47967840-0001	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNITPRICE	AMOUNT
1060		(b)(4)			(b)(4)

Expensed CAP: COTS IUS  
CPIF

Contractor purchase of expensed contractor-acquired property (CAP)—specifically commercial-off-the-shelf (COTS) internal use software (IUS)—necessary to provide the services/capabilities identified in the PWS attached to this task order. CAP is defined in FAR 52.245-1 . COTS IUS is a subset of IUS as defined in DoDI 5000.76.

Expensed CAP line items were created as an accounting mechanism designed to provide MDA better visibility and linkage of budget, obligation, expenditure, and government property data. Given the need for this level of visibility and linkage, as well as the need to include these costs as an integral component of the incentives, all task order CLINs are combined and considered a single entity for the purpose of administering the cost and performance incentives identified in the IRES PEIP (Contract Attachment J-06).

All share ratios are identified as follows: Government Contractor.  
The share ratios are subject to revision in accordance with the IRES PEIP.

NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.  
FOB: Destination  
PURCHASE REQUEST NUMBER: HQ0147967840

TARGET COST  
TARGET FEE  
TOTAL TGT COST + FEE  
MINIMUM FEE  
MAXIMUM FEE  
SHARE RATIO ABOVE TARGET  
SHARE RATIO BELOW TARGET

(b)(4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106001	Inc Funding	
	ACRN AC	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147967840-0001	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNITPRICE	AMOUNT
7990	Data FFP The contractor shall deliver all data identified in the contract data requirements lists (CDRL) attached to this task order. Reference Section G of the basic contract. At the end of the task order period of performance, the contractor shall submit one Invoicing, Receipt, Acceptance, and Property Transfer (iRAPT) receiving report for all data previously delivered.  FOB: Destination PURCHASE REQUEST NUMBER: HQ0147967840	1	Lot		NSP

NET AMT

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
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7991	Expensed CAP Delivery FFP Delivery of expensed CAP as required by the IRES Government Property Management Task Order.  NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent. FOB: Destination PURCHASE REQUEST NUMBER: HQ0147967840	1	Lot		NSP
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NET AMT

FSC CD: AC23

Section E - Inspection and Acceptance

INSPECTION AND ACCEPTANCE TERMS

Supplies/services will be inspected/accepted at:

CLIN	INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
1000	Origin	Government	Origin	Government
100001	N/A	N/A	N/A	N/A
100002	N/A	N/A	N/A	N/A
1040	Destination	Government	Destination	Government
104001	N/A	N/A	N/A	N/A
1060	Origin	Government	Origin	Government
106001	N/A	N/A	N/A	N/A
7990	Origin	Government	Origin	Government
7991	Destination	Government	Destination	Government

Section F - Deliveries or Performance

DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	DODAAC / CAGE
1000	POP 05-MAR-2019 TO 31-MAR-2021	N/A	MISSILE DEFENSE AGENCY (MDA) (b)(6) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 (b)(6) FOB: Destination	HQ0796
100001	N/A	N/A	N/A	N/A
100002	N/A	N/A	N/A	N/A
1040	POP 05-MAR-2019 TO 31-MAR-2021	N/A	MISSILE DEFENSE AGENCY (MDA) (b)(6) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 (b)(6) FOB: Destination	HQ0796
104001	N/A	N/A	N/A	N/A
1060	POP 05-MAR-2019 TO 31-MAR-2021	N/A	MISSILE DEFENSE AGENCY (MDA) (b)(6) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 (b)(6) FOB: Destination	HQ0796
106001	N/A	N/A	N/A	N/A
7990	POP 05-MAR-2019 TO 31-MAR-2021	N/A	MISSILE DEFENSE AGENCY (MDA) (b)(6) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 (b)(6) FOB: Destination	HQ0796

HQ079617D0001

HQ079619F7300

Page 9 of 13

7991 31-MAR-2021

1

(SAME AS PREVIOUS LOCATION)  
FOB: Destination

HQ0796

Section G - Contract Administration Data

ACCOUNTING AND APPROPRIATION DATA

AA: 044411 097 0400 000 N 20192020 D 2500 SC\_ST09P\_FY19 ES-01-FY1920 7IDE 255  
 AMOUNT (b)(4)

AB: 044411 097 0400 000 N 20192020 D 2500 Z4\_SD31P\_FY19 ES-03-FY1920 7IDE 255  
 AMOUNT (b)(4)

AC: 044411 097 0400 000 N 20192020 D 2500 Z4\_SD31P\_FY19 ES-03-FY1920 7IDE 310  
 AMOUNT (b)(4)

ACRN	CLIN/SLIN	CIN	AMOUNT
AA	100001	HQ0147967840000101	(b)(4)
AB	100002	HQ0147967840000102	
AC	104001	HQ0147967840000201	
	106001	HQ0147967840000301	

LIMITATION OF FUNDS

LIMITATION OF FUNDS SCHEDULE

In accordance with paragraph (b) of FAR 52.232-22, Limitation of Funds, the amount presently available and allotted for payment, the contract line item numbers (CLINs) items covered, and the period of performance (PoP) it is estimated the allotted amount will cover, are as follows:

CLIN	COST	Target Fee/Profit	Total	Est. Funding PoP*
1000	(b)(4)			5 Mar – 25 Sept 2019
1040				5 Mar 2019 – 5 Feb 2021
1060				20 Dec 2020
Total				

\*Information timely submitted by the contractor as part of the Limitation of Funds notifications, as required by FAR 52.232-22, shall supersede this Est. Funding PoP

Priced Prospective Work Packages (PPWPs) represent potential requirements included in this Task Order's PWS that are priced and negotiated but not yet awarded. The PPWP(s) may be awarded/executed in accordance with clause H-03, Task Orders at a later date with a bilateral modification to the task order if/when the requirement is ultimately needed and funded. The PPWPs negotiated to date are included in Attachment 2 to the Task Order. As of this Task Order's award date, none of the PPWPs has been executed.

DFAS PAYMENT INSTRUCTIONS

The payment office shall allocate and record the amounts paid to the accounting classification citations in the contract based on the type of payment request submitted (see DFARS 252.232-7006) and the type of effort using the table found at [https://www.acq.osd.mil/dpap/dars/pgi/pgi.htm/current/PGI204\\_71.htm#payment\\_instructions](https://www.acq.osd.mil/dpap/dars/pgi/pgi.htm/current/PGI204_71.htm#payment_instructions).

CLAUSES INCORPORATED BY REFERENCE

52.232-22

Limitation Of Funds

APR 1984

BILLING INSTRUCTIONS

Payments for CLIN I000, I040 and I060 will be made in accordance with FAR 52.216-7, Allowable Cost and Payment. Payments and the fee payable under the task order are subject to adjustments in accordance with FAR 52.216.10, Incentive Fee and performance assessments conducted in accordance with the IRES Performance Evaluation and Incentive Plan (Attachment J-06).

In accordance with FAR 52.216-10(c)(1), the Contractor is authorized to bill fee by contract line item number (CLIN) not to exceed the following: (b)(4) x (cost billed against the CLIN to date, including this voucher). Overbilling of fee as a result of this change in the billing instructions shall not be refunded to the Government, unless the overbilling cannot be corrected any other way. Instead, fee shall not be billed until the contractor is no longer in an overbilling status. The contractor shall show the fee calculation by line item on each voucher.

All task order CPIF CLINs are combined and considered a single entity for the purpose of administering the cost and performance incentives identified in the IRES PEIP (Contract Attachment J-06).

WAWF email notifications. In accordance with 252.232-7006, the Contractor shall enter the following email addresses in the "Send Additional Email Notifications" field of WAWF once a document is submitted in the system:

CLINs 7900-7991 (b)(6)

(b)(6)

Section I - Contract Clauses

CLAUSES INCORPORATED BY REFERENCE

252.211-7003 Item Unique Identification and Valuation

MAR 2016

Section J - List of Documents, Exhibits and Other Attachments

Exhibit/Attachment Table of Contents

DOCUMENT TYPE	DESCRIPTION	PAGES	DATE
Attachment 1	19F7300 PWS Final	31	01-MAR-2019
Attachment 2	19F7300- 00_PPWP_Data_Log	1	04-MAR-2019



## **PERFORMANCE WORK STATEMENT**

**Missile Defense Agency (MDA)  
Integrated Research & Development for Enterprise Solutions (IRES)**

**Contract Number: HQ079617D0001**

**Task Order Title:  
Modeling and Simulation Web Services (MWS) and System Post Flight  
Reconstruction (SPFR)**

**Task Order Number: HQ079619F7300**

**Period of Performance: 5 March 2019 – 31 March 2021**

**Task Order Type: Cost Plus Incentive Fee**

## Performance Work Statement Revision History

Version	Mod	Date	Revision / Change Description
Original	Basic TO	8 Feb 2019	N/A

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## **1.0 Purpose**

Operate, sustain, and manage the Modeling and Simulation (M&S) Web Services (MWS) enclave and the M&S Center. Plan, design, integrate, and execute MDA M&S events such as Hardware-in-the-Loop (HWIL) System-level PostFlight Reconstruction (SPFR) test events, directed study events, digital support to real world events, element integration events, concept analysis events, and element post-flight reconstruction events.

## **2.0 Background**

IRES predecessor task orders:

- IRES Task Order 18F7300 Modeling and Simulation Web Services (MWS) and System Post Flight Reconstruction (SPFR)

This Task Order will also follow the System Engineering and Integration requirements identified in the following IRES TO:

- IRES Systems Engineering and Program Integration (SE&PI)

Work under this task order will be performed at the following locations.

- MDIOC 2400
- MWS enclave located in the MDIOC 2400 quad (primarily room 2407)
- MWS servers in MDIOC 2200 (limited)
- MDIOC B80 (limited)
- MDIOC 2300, room 237 plus work station room, location TBD MDIOC (limited)
- AMRDEC in Huntsville, AL (limited)
- Teledyne Brown Engineering in Huntsville, AL (limited)
- Lockheed Martin located at Moorestown (limited)
- Lockheed Martin, Highway 83, Colorado Springs (limited)
- VBIII in Huntsville, AL (limited)
- VBIV (2 sites) in Huntsville, AL (limited)
- Rapid Scenario Prototyping Laboratory (RASP) in Huntsville, AL (limited)
- Aerospace in Huntsville, AL (limited)
- JHU/APL in Maryland
- Lockheed Martin in Huntsville, AL
- Other extension sites in CONUS locations as identified by the Program Manager

## **3.0 Scope**

Perform operations and sustainment activities for the Modeling and Simulation Center located at the Missile Defense Integration and Operations Center (MDIOC) Building 720 Quadrant 2400 and for the Modeling and Simulation Web Service (MWS) enclave. Perform planning and

execution of System Post Flight Reconstruction Events and other digital events. Integrate with the IRES Systems Engineering (SE) & Program Integration (PI) task order to ensure effective integration across the program.

### **3.1 Operations and Sustainment of MWS Enclave and M&S Center**

- Provide Mission Unique Equipment (MUE) system operation, configuration management and sustainment to include preventative maintenance, systems administration, cyber security, asset management, hardware/software refresh, and system check-out, break/fix activities.
- Sustain the Modeling and Simulation Web Service (MWS) network, research, and initial design and implementation for the modernization of the MWS. The MWS will support MDA/DE/S Early Digital Product (EDP) and associated web services and End-to-end Digital Integrated System-level Simulation (EDISS).

### **3.2 System Post Flight Reconstruction Events**

- Provide strategic planning, review, and expertise for the HWIL mission, including system-level integration, execution and assessment.
- Provide detailed event planning and coordination between MDA/ESI, all test event participants/elements, and all other organizations affected by MDA/ESI test event.
- Conduct the Integration Testing and event execution.

### **3.3 Quad Maintenance**

Continue to manage the operations, maintenance, certification and accreditation, Configuration Management (CM) and control, physical security, communication networks, computing systems, software licenses, and synchronize hardware/software upgrades of the M&S Center (Quadrant [Quad] 2400) and MDA/DE/S (Quad 2400) tenants.

## **4.0 Service Summary Items**

In accordance with the IRES Performance Evaluation and Incentive Plan, Service Summary Items (SSIs) 1 through 4 are common [required] on all task orders and will be assessed at the contract level (i.e., all task orders will receive the same rating).

SSIs 5 - 11 captures the specific task order Service Summary Items deemed essential to successful execution of the task.

SSI Definition	
<b>Name</b>	(b)(4)
<b>Identifier</b>	
<b>Definition</b>	
<b>Measurable Concept</b>	
<b>Questions Addressed</b>	
<b>Baseline Measure</b>	
<b>Technical Performance Measures</b>	
<b>Notes</b>	

SSI Definition	
<b>Name</b>	(b)(4)
<b>Identifier</b>	
<b>Definition</b>	
<b>Measurable Concept</b>	

<b>Questions Addressed</b>	(b)(4)
<b>Baseline Measure</b>	
<b>Technical Performance Measures</b>	
<b>Notes</b>	

<b>SSI Definition</b>	
<b>Name</b>	(b)(4)
<b>Identifier</b>	
<b>Definition</b>	
<b>Measurable Concept</b>	
<b>Questions Addressed</b>	
<b>Baseline Measure</b>	
<b>Technical Performance Measures</b>	

Notes	Report availability data in the monthly TOSR (CDRL C002)
-------	--

SSI Definition	
Name	(b)(4)
Identifier	
Definition	
Measurable Concept	
Questions Addressed	
Baseline Measure	
Technical Performance Measures	
Notes	

SSI Definition	
Name	(b)(4)
Identifier	

<b>Definition</b>	(b)(4)
<b>Measurable Concept</b>	
<b>Questions Addressed</b>	
<b>Baseline Measure</b>	
<b>Technical Performance Measures</b>	
<b>Notes</b>	

<b>SSI Definition</b>	
<b>Name</b>	(b)(4)
<b>Identifier</b>	
<b>Definition</b>	
<b>Measurable Concept</b>	
<b>Questions Addressed</b>	
<b>Baseline Measure</b>	

<b>Technical Performance Measures</b>	(b)(4)
<b>Notes</b>	

<b>SSI Definition</b>	
<b>Name</b>	(b)(4)
<b>Identifier</b>	
<b>Definition</b>	
<b>Measurable Concept</b>	
<b>Questions Addressed</b>	
<b>Baseline Measure</b>	
<b>Technical Performance Measures</b>	
<b>Notes</b>	

(b)(4)

## 5.0 Contract Data Requirements List (CDRL)

The point of delivery for all CDRL products, except as noted in Exhibit C, is the MDA E-CaRT system. The Contractor shall deliver all such products by saving and profiling them in E-CaRT, with the appropriate notification of delivery letter transmitted electronically to the Government's Data Management Office. Reference Exhibit C for specific CDRL delivery instructions.

### Contract Data Requirements List (CDRL) Identification

Task	CDRL	DID	Title	Description
10.1.1.1	C001	DI-MGMT-81861/T	TO HQ079619F7300: Integrated Program Management Report	Contains data for measuring cost and schedule performance. Tailored IPMR for formats 1, 5 and 6 only that contain the content and relationships required for the electronic submissions. Note: Formal EVMS DFAR clause does not apply.
10.1.1.1	C002	DI-MISC-80508B/T	TO HQ079619F7300: Task Order Status Report, [month ending]	Provides significant accomplishments, issues, concerns, lessons learned, and risks associated with the task order.
Reserved	C003			
10.2.1.10	C004	DI-MISC-80508B/T	TO HQ079619F7300: Assessment and Accreditation Documentation	This CDRL shall contain the documentation required to support C&A activities: Risk Management Framework (RMF) Packages, FISMA Report, DITPR Report, Vulnerability Scan and Compliance Reports, Accreditation Boundaries Report, Boundary Protection Configurations, BMDS RMF

Task	CDRL	DID	Title	Description
				Comprehensive Package, DR/COOP IT Quarterly Tabletop and Annual Exercise Scenarios/Test Plan Packages generated under this TO.
10.4.1.2	C005	DI-MISC 80508B	TO HQ079619F7300: Maintenance & Spare Report	Identifies type, location, and frequency of recurring sustainment activities, the sparing methodology used in establishing a “Recommended Spares Requirement List”, and the identification of licensing, maintenance agreements, and renewal documentation of hardware and software assets.
10.4.1.2	C006	DI-MISC 80508B	TO HQ079619F7300: Operational Support Documents: Technology Refresh Plan	The Technology Refresh Plan takes into account the formally documented current state of the hardware necessary to execute business functions, deliver services, and maintain the logical relationships between customers, partners, and suppliers. Primarily, this superset will contain the system architecture, the storage architecture, and the network architecture across the enterprise.
Reserved	C007			
10.4.2.2 10.6.1.4 10.6.2.4	C008	DI-MISC 80508B/T	TO HQ079619F7300: Baseline Engineering Documentation	This CDRL contains engineering documentation which potentially includes some or all of the following components: Slide Package, DoDAF Artifacts, Rack Elevation drawings,

Task	CDRL	DID	Title	Description
				Facility Layout drawings, CONOPS, and Requirements Traceability Matrix (RTM), Version Description Documents, and Floor Plans.
10.5.2.20	C011	DI-MISC-80508B/T	TO HQ079619F7300: Test Case Description Document (TCDD)	A detailed description of the test cases that will be executed during the event.
10.5.3.7	C012	DI-MISC-80508B/T	TO HQ079619F7300: Flash Report	Details final developmental and operational test runs execution status. Highlights Warfighter support, initial observations, and first-use of assets, software, and hardware in a distributed ground test event.
10.5.3.8	C013	DI-MISC-80508B/T	TO HQ079619F7300: As-Run Approved Test Configuration	Document contains test objectives, planned test participants, additional test components, system-under-test overview, test support positions, system pre-mission test, planned test configuration data link network, and change log.
10.5.3.9	C014	DI-MISC-80508B/T	TO HQ079619F7300: As-Run Test Procedures	Describes tasks or items that are verified and confirmed, by all test-event participating Elements and on-console operators, to ensure successful test event execution according to the IMS and event budget. Includes pre-test runs, test runs, and post-test runs activities.

## 5.1 CDRL Tailoring



19F7300 Exhibit  
C.pdf

The DD Form 1423 associated with each CDRL is attached as Exhibit C in the following document.

## 6.0 Milestones

PWS Paragraph(s)	Activity	Date / Days after Contract (DAC)
10.1.1.1	Baseline Review	90 Days after award

## 7.0 Government Property(GP) / Government Furnished Property (GFP) / Government Furnished Information (GFI) / Contractor Acquired Property (CAP)

7.1 In addition to the any GP associated with IRES Contract Statement of Objectives (SOO), paragraph 6.0, the following GP is applicable to this task order: none

7.2 In addition to the GFP identified on IRES Contract Attachment 5, the following GFP is applicable to this task order: none

7.3 The following GFI is applicable to this task order: MWS connectivity drawings

7.4 All CAP and GFP shall be managed under the terms and conditions associated with task order 18F8900 – Government Property Management.

## 8.0 Special Requirements

In addition to the Special Requirements identified in IRES Contract SOO, paragraph 7.0, the following are applicable to this task order:

This task order shall be executed IAW the MDA Security Classification Guidance up to the classification level of TOP SECRET/SAP with Formerly Restricted Data (FRD) handling requirements, No Foreign (NO FORN), and North Atlantic Treaty Organization (NATO) SECRET. Requires appropriately cleared individuals to execute mission-essential activities particularly for operational SPFR test events that require access to information that is classified up to and including Top Secret/Sensitive Compartmented Information. A limited number (maximum 2-3 individuals) of appropriately cleared positions are required to perform this work and to provide regular status to MDA/DE/S.

- Personnel performing IA functions must obtain one of the certifications required for their position category or specialty and level. Refer to Appendix 3 of 8570.01-M for further implementation guidance. (See attached for certificate list, or refer to <http://iase.disa.mil/iawip/Pages/iabaseline.aspx>)

## 9.0 Applicable Documents

In addition to the directives and regulations identified in the IRES Contract SOO, paragraph 8.0, the following are applicable to this task order:

Title	Originator	Date
Early Digital Product (EDP) ConOps	MDA/DE	TBD
2400 Security Standard Operating Procedure (SOP)	MDA/ESO	3/16/2017
Configuration Control Board Charter	MDA/ESO	3/31/2017
SPFR Test Event Process Guide	MDA/ESI	3/31/2017
MDA Instruction 3000.07, BMDS Ground Test CONOPS	MDA/DT	8/07/2017

## 10.0 Statement of Objectives and Outcomes

### 10.1 Task Order Administration

This portion of this PWS contains structure, objectives and outcomes with respect to the administration of the **Task Order**. This PWS element represents the work required to administer the Task Order and the Enterprise Support of the Task Order's work and resources. For this Task Order, work is estimated at this level in the PWS (10.1, 10.2, 10.3, etc.).

#### 10.1.1 Task Order Management

This PWS element represents the work specifically required to support the management of requirements of the overall Task order, which includes all reporting, briefings, awards, modifications, SSIs, etc.

##### 10.1.1.1 Stakeholder Technical Integration Management (STIM) and Systems Engineering and Integration (SEI) Management

Objective #1: The contractor shall provide the resources and information to communicate and manage task order performance.

Outcomes:

- Provide a single POC responsible for managing the cost, schedule, risk, and technical performance of the TO.
- Provide a single POC to serve as a liaison to the COTR or Assistant COTR (ACOTR) who is responsible for providing insight on TO performance.
- TO activities are managed in accordance with the IRES Program Management Plan (CDRL TO8002 C008).
- All TO requirements are identified, managed, validated, and verified in accordance with the contractor's IRES Systems Engineering Master Plan.

Objective #2: The contractor shall provide task order reporting to accurately monitor status in accordance with CDRL and Milestone requirements.

Outcomes:

- IPMR and TO status report for the TO are delivered per CDRL requirements.
- A Baseline Review of the TO is performed within 90 days of TO award.
- TO status (e.g., technical, cost, schedule) is reported to the COTR on a monthly basis in accordance with CDRL requirements.
- TO status includes cost and schedule performance by WBS and IRES organization structure; significant accomplishments; customer concerns or issues; TO risks and mitigation status; performance against the IRES contract, SE&PI, and TO SSIs; IPMR; achievements relative to the utilization goals in the contractor's Small Business Participation and Commitment Plan; quality assurance reviews, audit results, and non-conformance finding closure reports; safety information.
- TO performance trends are identified, tracked and shared with the COTR, ACOTR, and applicable government stakeholders.
  - Milestone: Baseline Review
  - CDRL C001: Integrated Program Management Report
  - CDRL C002: Task Order Status Report

#### **10.1.1.2 Responsible Organization Management**

Objective#1: The contractor shall provide qualified personnel and manage personnel issues to perform TO activities.

Outcomes:

- The workforce is managed efficiently, mitigating workforce surge and drawdown impacts, analyzing workforce trends, and forecasting workforce needs IRES-wide.
- A trained and qualified workforce is maintained that is able to perform the functions necessary to operate, support, and sustain MDIOC facilities and systems.
- Management personnel are able to travel in support of this objective at the government's direction

Objective #2: The contractor shall maintain accountability of all property under its control and provide reporting to ensure government situational awareness of property status.

Outcomes:

- A Material Inspection and Receiving Report is submitted as required by DFARS 252.246-7000 for the delivery of all CAP classified as Equipment, Special Test Equipment, and Special Tooling by using the Invoicing, Receipt, Acceptance, and Property Transfer (iRAPT) application in the Wide Area Workflow (WAWF) e-Business Suite in accordance with the instructions provided in the CLIN 7991.

#### **10.1.1.3 Administrative Support**

Objective #1: The contractor shall provide resources to manage the contractual requirements, and provide financial oversight and performance tracking for the task order.

Outcomes:

- Task Order financial management activities ensure that task order reporting, including IPMR, accurately reflect the current state of TO financial performance and status.
- TO contractual deliverables are provided within the agreed to schedule, in the correct formats and to a high level of quality.

#### **10.1.2 Objective: Enterprise Task Order Support**

This PWS element represents the work of enterprise support to the Task Order's work and resources.

##### **10.1.2.1 Enterprise Management**

Objective #1: The contractor shall provide the resources and data to enable enterprise management of this task order for human resources, business/finance, and JEMS in support of integration.

Outcomes:

- IPMR and TO status report for the TO are delivered per CDRL requirements.
- TO status (e.g., technical, cost, schedule) is reported to the COTR on a monthly basis in accordance with CDRL requirements.
- MDA customers and stakeholders have on-demand access to a TO status report dashboard.
- TO export control requirements are managed to comply with DoD and MDA requirements, including International Traffic in Arms Regulations (ITAR) (22 CFR 120-130) and Technical Assistance Agreements processes as required.
- Any individuals requiring access to Government information technology systems have completed Information Assurance Awareness training.

- Personnel performing information assurance functions on national security systems meet the Committee on National Security Systems training requirements.

#### **10.1.2.2 Mission and Performance Assurance**

Objective #1: The contractor shall perform System Engineering functions to ensure the products and services provided under this TO utilize established Systems Engineering practices that are standardized across the IRES contract in support of the MDA mission.

Outcomes:

- Deliver a milestone level schedule in accordance with Integrated Program Management Report (IPMR) CDRL requirements, using the contractor's JEMS Portal.
- The TO schedule is integrated into the contractor's IRES Integrated Schedule (IIS).
- Systems Integration requirements and capabilities gaps, lessons learned, and a common MDIOC system vision are integrated enterprise-wide.
- Critical assets are managed, to include conflict forecasting and de-confliction, across the IRES enterprise.

Objective #2: The contractor shall track, manage and report on TO performance measures, including metrics, lessons learned and accomplishments.

Outcomes:

- Based on TO performance trends, periodic audits of task estimates are performed, TO risks are tracked, and schedule accuracy is evaluated.
- All TO CDRLs are delivered on time and with accurate information.
- Customer satisfaction with the services and products delivered in this TO is solicited and tracked.
- TO performance is continuously evaluated and improved using objective performance measures.
- TO lessons learned, best practices, and accomplishments are collected and shared with the COTR, ACOTR, other government stakeholders, and IRES workforce.

Objective #3: The contractor shall incorporate Mission Assurance activities into all TO tasks in support of the MDA mission.

Outcomes:

- TO asset configurations are managed in accordance with the IRES Configuration Management Plan (CDRL TO8002 C022).
- TO risks are managed in accordance with the IRES Risk Management Plan (CDRL TO8002 C021).
- The quality of TO activities is assured in accordance with the Quality Assurance Program Plan (CDRL TO8002 C020).

- TO supplies are purchased in accordance with the IRES Supply Chain Risk Management Plan, including the development of a supply chain map and authorized suppliers list for critical systems.

Objective #4: The contractor shall provide information security, physical security, export control and cybersecurity training and processes in accordance with federal, DoD and agency requirements to safeguard the conduct of the MDA mission through the IRES contract.

Outcomes:

- MDA-identified Critical Program Information (CPI) and Critical Technologies (CT) are protected to the standards required in DoDI 5200.39
- TO cybersecurity risks are managed in accordance with the Cybersecurity Risk Management Plan (CDRL TO8002 C016).
- All Controlled Unclassified Information is protected from unauthorized access, disclosure, incident, or compromise.
- All contractor-managed TO systems maintain System Authorization in accordance with DoDI 8510.01, Risk Management Framework.
- Cybersecurity requirements and considerations are integrated into TO systems engineering, design, and risk management processes.
- All contractor-managed TO systems are operated in accordance with cybersecurity requirements.
- Security administration is provided to comply with applicable DoD, MDA, and local security directives, policies, procedures, and instructions for physical security and for the safeguarding of BMDS controlled and classified information, to include proper document marking, classification, storage, accountability, transmittal, and destruction.
- Personnel requiring privileged access maintain appropriate computing environment certifications for the operating system(s) and/or security related tools/devices they support or operate.

Objective #4: The contractor shall promote and enforce safe and sustainable work practices to prevent personnel injury, damage to property or harm to the environment.

Outcomes:

- TO activities are performed in accordance with the Mishap Prevention and Safety Plan (CDRL TO8002 C024) to prevent personnel injury and property damage.
- TO activities are performed in accordance with the Environmental Program Plan (CDRL TO8002 C023) to prevent harm to the environment and maximize sustainable practices.

### **10.1.2.3 Functional Management and Administrative Support**

Objective #1: The contractor shall provide a functional management oversight structure to lead, manage and assign resources within their organization.

Outcomes:

- TO activities are monitored by functional management oversight to ensure resources performing on the TO are trained and equipped to accomplish TO objectives.

Objective #2: The contractor shall provide functional administrative and management support as required to communicate and deliver enterprise integration.

Outcomes:

- TO supplied with adequate and capable functional administrative support to ensure accomplishment of TO objectives.

### **10.1.3 Objective: Task Order Award and Modification**

Objective #1: The contractor shall provide the resources and data to provide timely and accurate proposals to government requirements for proposal and other contract modification actions.

## **10.2 Cybersecurity**

10.2.1 Objective: The Contractor shall provide compliant security services that prevent unauthorized access, use, disclosure, disruption, modification, inspection, recording, or destruction of information and/or equipment and processes that create that information for the MWS Enclave. The Contractor shall have full Cyber responsibility for the MWS Enclave. These security services and tools include:

- Security Engineering and Security Administration processes and products that support system certification and accreditation (C&A)
- Cybersecurity Concept of Operations
- Accreditation requirements of the DoD's Risk Management Framework (RMF)
- Information Assurance Vulnerability Management (IAVM)
- ePO system
- Continuous security monitoring and reporting as an MDA Tier III Computer Network Defense (CND) organization by managing:
  - DISA security tools including Host-Based Security System (HBSS)
  - Assured Compliance Assessment Solution (ACAS)
  - Enterprise Mission Assurance Support Service (eMASS)
  - Continuous Monitoring and Risk Scoring (CMRS)

**Outcomes:**

10.2.1.1 Perform Cyber system administration and security management tasks using DISA tools and report, monitor applicable security resources for updated requirements and comply with DoD/Cyber Command Task Orders (CTO).

10.2.1.2 Recommend security requirements and safeguards and establish processes to validate security requirements, mitigate cyber risks, and acquire certification and accreditation of systems.

10.2.1.3 Anticipate requirements for cyber accreditations and recommend a Plan of Action and Milestones (POA&M) to accomplish tasks that allow participation in events. Include POAM updates in the monthly Task Order Status Review (CDRL C002).

10.2.1.4 Demonstrate and report compliance with cybersecurity requirements using the standard scorecard.

10.2.1.5 Assess systems, networks, and using passive and active evaluations, participate in the Security Test and Evaluation (ST&E) processes, and identify vulnerabilities and deviations from acceptable configurations

10.2.1.6 Document the results of Certification and Accreditation activities

10.2.1.7 Conduct Incident Response actions and analyze malicious events and known exploitations/vulnerabilities for the creation of custom signature rule sets

10.2.1.8 Identify and manage government common user systems and special purpose systems that require custom security features and procedures.

10.2.1.9 Comply with RMF mitigation requirements for Category I, II, and III findings.

10.2.1.10 Obtain timely Authorization to Operate (ATO) for mission areas and maintains status by implementing agreed-upon set of security controls.

- CDRL C004: HQ079618F7300: Assessment and Authorization Documentation

10.2.1.11 Perform MWS scanning and patching, reporting, and metrics collection.

### **10.3 Operations Assistance**

10.3.1 Objective: Facility Operations. The contractor shall execute facility administrative activities for the M&S Center, such as access control, coordinating and scheduling meetings, coordinating projection capabilities for meetings, developing, maintaining and providing access to MKO Portal folders.

#### **Outcomes:**

10.3.1.1 Coordinate across other IRES task orders and with vendors and other government customers, to facilitate, and provide access control to the M&S Center footprint for personnel not

permanently authorized within the footprint. (e.g. facility inspections, cleaning crews, VIP visits, project-related visits and inventory activities)

10.3.1.2 Perform conference and VTC room scheduling and publish the reservation results.

10.3.1.3 Set up classified and unclassified VTC.

10.3.1.4 Report to the MDIOC Service Desk when classified and unclassified printers are not operational and facilitate paper and toner replacements.

10.3.1.5 Ensure the "Unclassified Sensitive/FOUO/Proprietary Information" recycle bins are serviced through the MDIOC Service Desk.

10.3.1.6 Perform cubicle configuration management by tracking and reporting cubicle seating assignments.

**10.3.2 Objective: Security Operations. The contractor shall perform security management functions for 2400 quad to ensure compliance with MDIOC, MDA and DoD standards.**

**Outcomes:**

10.3.2.1 Demonstrate a repeatable cycle of security system auditing and investigation of anomalous activity.

10.3.2.2 Maintain and manage open storage certification requirements. Provide guidance to occupants on the Security Classification requirements. Receive, generate and reproduce classified material up to the SECRET classification.

10.3.2.3 Perform duties as the Security Assistant as defined in the 2400 Security Standard Operating Procedure (SOP). Coordinate for the Security Manager with Missile Defense Agency Security Department (MDA/EIR) Security Personnel of all physical and information security issues and tasks. Develop and maintain SOP documentation in accordance with the standard MDA/EIR procedures.

10.3.2.4 Perform block captain activities in accordance with latest government SOP.

10.3.2.5 Perform safe management to include inventories and maintenance of safe combinations.

## **10.4 MWS and M&S Center Mission Operations and Capability Sustainment**

10.4.1 Objective: The Contractor shall sustain MWS enclave mission systems and capabilities. Sustainment activities include network management, configuration management, proactive/corrective maintenance, hardware and software refresh, system check-out, break/fix service restoration, technology refresh, and engineering services for the following assets.

- Information Technology (IT) systems
- Audio Visual (AV) systems (for distribution in 2407)
- VTC communications systems
- MWS Network connectivity (coordinate with TO HQ079618F8003)
- Existing mission capabilities
- Magellan

The contractor will provide System Administration/IT for Test Analysis IT equipment and specialty networks and technical assistance for A/V distribution systems.

### **Outcomes:**

10.4.1.1 Maintain and refresh hardware, software and current capabilities in accordance with industry best maintenance practices ensuring an appropriate mix between proactive and corrective maintenance, repair, and replacement to maintain availability of systems, equipment and networks. Document and execute maintenance plans, schedules, and performance expectations. Develop sparing methodology based upon mission criticality, frequency of use, acquisition lead-time, and vendor support criteria. Monitor approved spare levels and recommend procurement action to replenish stock. Report availability data in the monthly TOSR (CDRL C002). Manage and maintain currency on all licensing and update services for third-party software, software drivers, and diagnostic software. Report any lapse in hardware service agreements or software licenses in the monthly Task Order Status Review (CDRL C002)

- CDRL C005: HQ079618F7300: Maintenance and Spare Report

10.4.1.2 Develop criteria for technology refresh of hardware, software, and current capabilities in accordance with industry best practices to ensure availability. Leverage MDA Information Technology (IT) support policy to minimize investments for IT hardware and software above MDA standards. Manage and provide the government with real-time access to a database that conforms to Defense Property Accountability System (DPAS) requirements identifying the location and acquisition details for all acquired assets. Implement an integrated approach to operate and manage all hardware and software investments that provides for the continuous identification, selection, control, life-cycle management, and evaluation of the investments in a

structured process resulting in a systematic method to maximize investment return and allow predictable budgeting.

- CDRL C006: Operational Support Documentation: Technology Refresh Plan

10.4.1.3 Core Hours Break/Fix Response. Respond to degradations/failures within 10 business hours (0700-1700 MST M-F) and within 1 business day provide an estimated timeline associated with service restoral. Demonstrate minimal impact to mission while repair activities are initiated, conducted, and completed. Incidents occurring outside of core hours shall be worked the following business day. A summary of degradations/failures, to include the response times and a root-cause analysis, shall be documented in the monthly Task Order Status Review (CDRL C0002).

10.4.1.4 Coordinate all fixes with other IRES TOs and/or contractors and provide a single POC to MDA/ESI government personnel.

10.4.1.5 Operational enhancements and upgrades. (PPWP) Upgrade, enhance and refresh hardware and software to increase current capabilities above the established MWS enclave and M&S Center baseline. This PPWP can be executed up to 2 times.

10.4.1.6 Hardware enhancements and upgrades. (PPWP) Develop solutions requiring the upgrade, enhancement and refresh of hardware to increase or improve current capabilities above the established MWS enclave and M&S Center baseline. Address capabilities that require numerous purchases for multiple lower price items or high value items such as a high-end data store with an XIO ISE storage server-level capability or a Cisco network switch. This PPWP can be executed 13 times .

10.4.1.7 Medium Software enhancements and upgrades (PPWP). Develop solutions requiring the upgrade, enhancement and refresh of software to increase or improve current capabilities above the established MWS enclave and M&S Center baseline. This PPWP can be executed 2 times.

10.4.1.8 Large software enhancements and upgrades (PPWP). Develop solutions requiring the upgrade, enhancement and refresh of software or licenses to increase or improve current capabilities above the established MWS enclave and M&S Center baseline (such as Matlab). This PPWP can be executed 1 time.

10.4.1.9 Extension site deployment. (PPWP) Facilitate MDA/DX approval process. Conduct site survey activities, purchase equipment, provide the connectivity and perform extension site installation for CONUS customers with a requirement to operate remotely on the MWS network. This PPWP can be executed up to 4 times.

10.4.1.10 Develop an initial solution that will enable the existing MWS architecture to perform 30,000 EDISS runs for record annually. This includes providing subject matter expertise in areas such as network architecture design and cybersecurity. Create a limited bench stock of the hardware required for a new MWS Extension Site that will enable a more rapid installation timeline. Provide project champion for all MWS projects that are determined by the customer to require approval from MDA/DX prior to implementation.

10.4.1.11 Personnel travel in support of this objective at the government's direction.

10.4.2 Objective: Configuration Control. The Contractor shall provide facility and equipment configuration control. The contractor shall implement a mechanism for recording, tracking, and reporting the status of Configuration Items (CIs). The contractor shall examine, evaluate, and monitor baseline hardware and software to maintain version control integrity.

**Outcomes:**

10.4.2.1 Schedule a weekly Configuration Control Board (CCB) meeting, develop agenda, take and maintain minutes, track actions items at each CCB, and retain CCB artifacts.

10.4.2.2 Maintain positive configuration management control for all facilities, cabling, systems, operating procedures, and assets. Develop and provide baselined systems artifacts (e.g. Interface Control Documents, Network Interface Control Documents, schematic, functional system overlay and architectural drawings compliant with DoDAF v2.0, etc.) that clearly diagram and articulate the system or components performance, function, and physical attributes and functional relation between parts, subsystems, and systems.

- CDRL C008: Baseline Engineering Documentation

10.4.3 Objective: The Contractor shall service the distribution of A/V and configuration activities in 2407.

**Outcomes:**

10.4.3.1 Implement a work request process/system that allows government personnel to submit, validate, prioritize, approve, and track requests for non-help desk support related activities. Content of contractor response for each request: need-date, identification of POCs, solution, schedule, and cost. Implement a change request process for schedule changes. Provide a summary of all workload data on a quarterly basis in the monthly TOSR (CDRL C002).

10.4.4 Objective: The Contractor shall provide MWS Account Management to include account requests, tracking, maintenance, review, and removal.

**Outcomes:**

10.4.4.1 Ensure 100% users have appropriate access privileges.

10.4.4.2 Ensure 100% validity of user accounts. Document status in the monthly TOSR (CDRL C002).

10.4.4.3 Disable user accounts from system within three business days of notification after coordination with the COTR.

10.4.5 Objective. The Contractor shall provide Magellan capability for a user to perform analysis runs at a classification level of TOP SECRET/SAP. Magellan is a standalone EDISS system that will be run at TOP SECRET/SAP level.

**Outcomes:**

10.4.5.1 Provide a TOP SECRET/SAP environment for the Magellan system.

10.4.5.2 Transfer and install Magellan (two equipment racks and remote workstation). Transfer Magellan equipment rack from current location in MDIOC Bldg 720, Rm 2407 to new location on second floor of Bldg 720. Perform complete installation to include connectivity between equipment rack and workstation.

**10.5 System-level Post-Flight Reconstruction (SPFR) Test Events**

10.5.1 Objective: Strategic Planning. The contractor shall engage in long-term strategic planning for SPFR test events.

**Outcome:**

10.5.1.1 Provide technical inputs into long-term planning initiatives for future SPFR test events. This would include reviews and recommendations for flight test data documentation to ensure needed SPFR input data is available.

10.5.2 Objective: Event Planning (PPWP). Under the direction of the Government test team leadership, the contractor shall conduct Detailed Event Planning/Coordination. The contractor shall develop, coordinate and integrate activities, products, and requirements, and provide mission assurance across the test event life cycle (Phases 2-4) in accordance with BMDS Ground Test CONOPS as modified by MDA/ESI to support SPFRs. This PPWP may be executed up to 1 time.

**Outcomes:**

- 10.5.2.1 Develop an Event master schedule documenting the coordinated schedule of test assets and activities for test integration and execution periods. Update as schedule changes are approved by the System Mission Manager.
- 10.5.2.2 Develop and maintain test event-specific distribution lists
- 10.5.2.3 Develop and maintain the System Under Test (SUT) Configuration
- 10.5.2.4 Coordinate the production of test event posters.
- 10.5.2.5 Establish, maintain and provide access to test event-specific MKO Portal folders.
- 10.5.2.6 Develop, maintain, and document Event architecture
- 10.5.2.7 Develop, review, provide technical input, and facilitate weekly/bi-weekly Event Status Meetings up until Dry Run test execution, or as directed by the System Mission Manager (SMM).
- 10.5.2.8 Produce, submit, and gain approval of the MDA/IC event freeze request.
- 10.5.2.9 Develop, review, provide technical input, and facilitate reoccurring and ad-hoc meetings.
- 10.5.2.10 Develop and manage the Approved Test Configuration in the format required by Test Baseline Working Group (TBWG).
- 10.5.2.11 Develop, coordinate, and deliver the Detailed Test Plan (DTP).
- 10.5.2.12 Develop and coordinate the draft Test Procedures for console operations.
- 10.5.2.13 Develop, coordinate and maintain the OPTASKLINK in approved message format. Define the parameters needed for each participant to connect and share information with other test participants.
- 10.5.2.14 Coordinate and manage test event Change Request process.
- 10.5.2.15 Develop and coordinate the Event Cybersecurity Plan (ECsP).
- 10.5.2.16 Develop Critical Asset List (CAL) and obtain approvals for establishment of event freeze for protection of CAL during test event.

10.5.2.17 Develop the Test Certification Package (TCP) for shared services and the test execution center.

10.5.2.18 Provide the Certification Data Package (CDP) for test execution center.

10.5.2.19 Identify and document event execution risks, develop and track mitigation strategies.

10.5.2.20 Develop, coordinate, and gain approval of the final draft of the Test Case Description Document (TCDD) used to support test case development.

- CDRL C011: Test Case Description Document (TCDD)

10.5.3 Objective: Event Integration and Execution. (PPWP) The Contractor shall ensure transition to Dry Runs (DR) and Runs for Record (RFR) during the event integration testing. The Contractor shall conduct the last 1-2 days of Event Architecture Certification (EAC) testing, Dry Runs and Runs for Record testing. This PPWP may be executed up to 1 time.

**Outcomes:**

10.5.3.1 Ensure all scenarios transferred from integration configuration and labs to execution configuration and labs.

10.5.3.2 Manage event configuration of test execution center.

10.5.3.3 Provide and monitor seals for assets defined on the Critical Asset List (CAL) during the approved event freeze.

10.5.3.4 Operate the test execution center.

10.5.3.5 Control access to the MDIOC test execution facilities.

10.5.3.6 Provide technical input to the daily run matrix.

10.5.3.7 Provide recommended statuses of completed test runs.

10.5.3.8 Provide technical input to the End of Day Summary and daily tag-up.

10.5.3.9 Generate a Flash Report detailing final execution status.

- CDRL C012: Flash Report

10.5.3.10 Develop and coordinate an As-Run ATC based on additional or changed information from stakeholders. This document shall include the final Event Architecture.

- CDRL C013: As-Run ATC

10.5.3.11 Develop and deliver the as-run Test Procedures (TPs) based upon final test case configurations executed in the event.

- CDRL C014: As-Run TPs

10.5.3.12 Develop, coordinate, and gain approval of the As-Run TCDD.

## **10.6 Rapid Response Engineering Projects (PPWP)**

The purpose of this task is to provide rapid response capabilities for Engineering projects. Project are categorized as small and medium. The contractor shall provide technical oversight for all phases of project planning, design, scheduling, execution and reporting to ensure technical solutions for projects meet their mission, goals, and objectives. The Contractor shall implement solutions, upgrades, enhancements and reconfigurations completing the planning, design, procurement, implementation, documentation and configuration management activities.

Projects are categorized as Small and Medium. Priced Prospective Work Packages (PPWPs) will be executed to meet surge requirements. Material, hardware, and software required for these projects will be executed through PPWPs.

- Material Package (PPWP). Material (non-software and hardware) to implement upgrades, enhancements, reconfigurations, and projects.
- Software Package (PPWP). Software to implement upgrades, enhancements, reconfigurations, and projects.
- Hardware Package (PPWP). Hardware to implement upgrades, enhancements, reconfigurations, and projects.

10.6.1 Objective: Small Rapid Response Engineering Projects. The contractor shall provide the labor to implement upgrades, enhancements, reconfigurations, and surge tasking. An example of a small project is pulling one cable greater than 75 feet to include the planning and updating of configuration documentation. This PPWP can be executed up to 2 times.

### **Outcomes:**

10.6.1.1 Provide customer coordination and communications and respond to requests for information and problem resolution

10.6.1.2 Initiate requirements planning activities. Document and track requirements in a Requirements Traceability Matrix (RTM) which identifies specific and derived requirements.

10.6.1.3 Develop design solutions and conduct design reviews (preliminary and final) for government approval. Participate in required MDIOC review boards (Project Steering Committee, Design Review Board, Engineering and Architecture Board).

10.6.1.4 Develop, maintain, and coordinate technical documentation to include Technical Data Packages, engineering drawings, and interface control specifications for existing systems that require documentation or as a result of newly developed and/or modified systems. Ensure fully coordinated, redlined change documents are available for the government user and service

technicians at customer turnover date; formal configuration control documentation and drawings updated and posted within 60 days of work/project completion.

- CDRL C008: Baseline Engineering Documentation

10.6.1.5 Complete close out activities.

10.6.1.6 Provide all closeout documentation to include a project summary, the final resource-loaded schedule, and an element of cost summary for each project in the in the monthly Task Order Status Review report (CDRL C002) in the month the project is completed.

10.6.1.7 Operate in the context of the System Engineering Management Plan (SEMP) and established governance processes reflected through standardized engineering artifacts and an integrated systems engineering approach to design efforts to meet technical requirements.

10.6.1.8 Collaborate with government to obtain required CIO and DX approvals as required.

10.6.1.9 Plan and develop sequenced, resource-loaded schedules. Identify resources needed to accomplish the project and ensure all resources have the proper work authorizations. Identify risks, work sequencing, critical paths, and procurement lead-times.

10.6.1.10 Execute a project change management process.

10.6.2 Objective: Medium Rapid Response Engineering Projects. The Contractor shall plan, design, schedule, and execute medium sized projects. Each project shall be defined through a Mission Support Task (MST). After the MST is issued the contractor shall provide an engineering estimate, engineering artifacts, and implementation plan to the COTR as outlined in the MST. Upon stakeholder agreement the Contracting Officer will provide an authority to proceed for the contractor to execute and complete the project. The contractor shall establish a discrete work package for each MST. All MSTs will be added as an attachment to the PWS. The Task Change Requirement (TCR) process shall be followed when there is a need to document and communicate a potential cost, schedule, or requirements change to the MST. This PPWP can be executed up to 1 time.

#### **Outcomes:**

10.6.2.1 Perform project oversight to include customer coordination and communications and respond to requests for information and problem resolution.

10.6.2.2 Initiate requirements management activities. Document and track requirements in a Requirements Traceability Matrix (RTM) which identifies specific and derived requirements.

10.6.2.3 Develop design solutions and conduct design reviews (preliminary and final) for government approval. Participate in required MDIOC review boards (Project Steering Committee, Design Review Board, Engineering and Architecture Board, ).

10.6.2.4 Develop, maintain, and coordinate technical documentation to include Technical Data Packages, engineering drawings, and interface control specifications for existing systems that require documentation or as a result of newly developed and/or modified systems. Ensure fully coordinated, redlined change documents are available for the government user and service technicians at customer turnover date; formal configuration control documentation and drawings updated and posted within 60 days of work/project completion.

- CDRL C008: Baseline Engineering Documentation

10.6.2.5 Complete close out activities.

10.6.2.6 Provide all closeout documentation to include a project summary, the final resource-loaded schedule, and an element of cost summary for each project in the in the monthly Task Order Status Review report (CDRL C002) in the month the project is completed.

10.6.2.7 Operate in the context of the System Engineering Management Plan (SEMP) and established governance processes reflected through standardized engineering artifacts and an integrated systems engineering approach to design efforts to meet technical requirements.

10.6.2.8 Collaborate with government to obtain required CIO and DX approvals as required

10.6.2.9 Plan and develop sequenced, resource-loaded schedules. Identify resources needed to accomplish the project and ensure all resources have the proper work authorizations. Identify risks, work sequencing, critical paths, and procurement lead-times.

<b>ORDER FOR SUPPLIES OR SERVICES</b>										PAGE 1 OF 21									
1. CONTRACT/PURCH. ORDER/AGREEMENT NO. HQ079617D0001			2. DELIVERY ORDER/CALL NO. HQ079619F8700P00002		3. DATE OF ORDER/CALL (YYYYMMDD) 2018 Oct 24		4. REQ. PURCH. REQUEST NO. See Schedule		5. PRIORITY  DX-C9										
6. ISSUED BY MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300			CODE HQ0796		7. ADMINISTERED BY (if other than 6) DCMA HUNTSVILLE 1040 RESEARCH BLVD SUITE 100 MADISON AL 35758-2040			CODE S0107A		8. DELIVERY FOB <input checked="" type="checkbox"/> DESTINATION <input type="checkbox"/> OTHER  (See Schedule if other)									
9. CONTRACTOR JACOBS TECHNOLOGY INC. 550 WILLIAM NORTHERN BLVD. TULLAHOMA TN 37388-4727 NAME AND ADDRESS			CODE 7EBK3		FACILITY		10. DELIVER TO FOR POINT BY (Date) (YYYYMMDD) <b>SEE SCHEDULE</b>		11. MARK IF BUSINESS IS <input type="checkbox"/> SMALL <input type="checkbox"/> SMALL <input checked="" type="checkbox"/> DISADVANTAGED <input type="checkbox"/> WOMEN-OWNED										
							12. DISCOUNT TERMS		13. MAIL INVOICES TO THE ADDRESS IN BLOCK See Item 15										
14. SHIP TO MISSILE DEFENSE AGENCY (MDA) (b)(6) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300			CODE HQ0796		15. PAYMENT WILL BE MADE BY DCAS COLUMBUS CENTER SOUTH ENTITLEMENT OPERATIONS P. O. BOX 182264 COLUMBUS OH 43218-2264			CODE HQ0338		MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2.									
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:10%; padding: 5px;">16. TYPE OF ORDER</td> <td style="width:10%; padding: 5px;">DELIVERY/ CALL</td> <td style="width:5%; padding: 5px;"><input checked="" type="checkbox"/></td> <td style="padding: 5px;">This delivery order/call is issued on another Government agency or in accordance with and subject to terms and conditions of above numbered contract.</td> </tr> <tr> <td style="padding: 5px;"></td> <td style="padding: 5px;">PURCHASE</td> <td style="padding: 5px;"><input type="checkbox"/></td> <td style="padding: 5px;">Reference your quote dated Furnish the following on terms specified herein, REF:</td> </tr> </table>												16. TYPE OF ORDER	DELIVERY/ CALL	<input checked="" type="checkbox"/>	This delivery order/call is issued on another Government agency or in accordance with and subject to terms and conditions of above numbered contract.		PURCHASE	<input type="checkbox"/>	Reference your quote dated Furnish the following on terms specified herein, REF:
16. TYPE OF ORDER	DELIVERY/ CALL	<input checked="" type="checkbox"/>	This delivery order/call is issued on another Government agency or in accordance with and subject to terms and conditions of above numbered contract.																
	PURCHASE	<input type="checkbox"/>	Reference your quote dated Furnish the following on terms specified herein, REF:																
<p style="text-align: center;">ACCEPTANCE. THE CONTRACTOR HEREBY ACCEPTS THE OFFER REPRESENTED BY THE NUMBERED PURCHASE ORDER AS IT MAY PREVIOUSLY HAVE BEEN OR IS NOW MODIFIED. SUBJECT TO ALL OF THE TERMS AND CONDITIONS SET FORTH, AND AGREES TO PERFORM THE SAME.</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:30%; padding: 5px;">NAME OF CONTRACTOR</td> <td style="width:30%; padding: 5px;">SIGNATURE</td> <td style="width:30%; padding: 5px;">TYPED NAME AND TITLE</td> <td style="width:10%; padding: 5px;">DATE SIGNED (YYYYMMDD)</td> </tr> <tr> <td colspan="4" style="padding: 5px;"><input checked="" type="checkbox"/> If this box is marked, supplier must sign Acceptance and return the following number of copies: 1</td> </tr> </table>												NAME OF CONTRACTOR	SIGNATURE	TYPED NAME AND TITLE	DATE SIGNED (YYYYMMDD)	<input checked="" type="checkbox"/> If this box is marked, supplier must sign Acceptance and return the following number of copies: 1			
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<input checked="" type="checkbox"/> If this box is marked, supplier must sign Acceptance and return the following number of copies: 1																			
17. ACCOUNTING AND APPROPRIATION DATA/ LOCAL USE  See Schedule																			
18. ITEM NO.		19. SCHEDULE OF SUPPLIES/ SERVICES				20. QUANTITY ORDERED/ ACCEPTED*		21. UNIT		22. UNIT PRICE		23. AMOUNT							
		SEE SCHEDULE																	
<small>* If quantity accepted by the Government is same as quantity ordered, indicate by X. If different, enter actual quantity accepted below quantity ordered and encircle.</small>						24. UNITED STATES OF AMERICA IN (b)(6) EN (b)(6) BY (b)(6) ea.mil		25. TOTAL \$21,673,131.00 EST		26. DIFFERENCES									
27a. QUANTITY IN COLUMN 20 HAS BEEN <input type="checkbox"/> INSPECTED <input type="checkbox"/> RECEIVED <input type="checkbox"/> ACCEPTED, AND CONFORMS TO THE CONTRACT EXCEPT AS NOTED																			
b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE						c. DATE (YYYYMMDD)		d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE											
e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE						28. SHIP NO.		29. DO VOUCHER NO.		30. INITIALS									
f. TELEPHONE NUMBER		g. E-MAIL ADDRESS				<input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL		32. PAID BY		33. AMOUNT VERIFIED CORRECT FOR									
36. I certify this account is correct and proper for payment.						31. PAYMENT <input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL				34. CHECK NUMBER									
a. DATE (YYYYMMDD)		b. SIGNATURE AND TITLE OF CERTIFYING OFFICER								35. BILL OF LADING NO.									
37. RECEIVED AT		38. RECEIVED BY		39. DATE RECEIVED (YYYYMMDD)		40. TOTAL CONTAINERS		41. S/R ACCOUNT NO.		42. S/R VOUCHER NO.									

Section B - Supplies or Services and Prices

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1000	<div>(b)(4)</div> Services/Capabilities (Mgmt + MSTs) CPIF The contractor shall provide all services/capabilities identified in the performance work statement (PWS) attached to this task order for Management Costs and Mission Support Tasks (MSTs). All task order costs, other than those specifically included in another contract line item number (CLIN), are included in this CLIN.  All share ratios are identified as follows: Government/Contractor. The share ratios are subject to revision in accordance with the IRES Performance Evaluation and Incentive Plan (Contract Attachment J-06). FOB: Destination PURCHASE REQUEST NUMBER: HQ0147968094				<div>(b)(4)</div>
				TARGET COST TARGET FEE	<div>(b)(4)</div>
				TOTAL TGT COST + FEE	
				MINIMUM FEE	
				MAXIMUM FEE	
				SHARE RATIO ABOVE TARGET SHARE RATIO BELOW TARGET	

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100001	CLIN 1000, Pre-Contract Costs  ACRNAA  PURCHASE REQUEST NUMBER: HQ0147968094	<div>(b)(4)</div>

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100002	CLIN 1000, SPDs in Japan	
	ACRN AB	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147969551	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100003	CLIN 1000, (NSITE)KCS and (SCS)	
	ACRN AE	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147969800	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100004	CLIN 1000, PRIDE 19168: New Site, El Seg	
	ACRN AG	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147969487	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100005	CLIN 1000, PRIDE 19168: New Site, El Seg	
	ACRN AG	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147969487	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100006	CLIN 1000, JIAMDO CDS Implementation Sup	
	ACRN AJ	(b)(4)
	PURCHASE REQUEST NUMBER: D09MSC90180	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100007	CLIN 10007, DTW - IRES (Jacobs), TRD	
	ACRN AB	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147969717	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100008	CLIN 1000, Grey Butte	
	ACRN AM	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147969449	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100009	CLIN 1000, FTT-23 IC/Comm support for FT	
	ACRNAQ	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147969850	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100010	CLIN 1000, FTG-11 Viewing at USNCOM	
	ACRNAS	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147969896	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100011	CLIN 1000,PS1 9-3 Est CNET Service at PWC	
	ACRN AB	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147970192	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1001		(b)(4)			(b)(4)
	Services/Capabilities(Discrete Projects)				
	CPIF				
	The contractor shall provide all services/capabilities identified in the performance work statement (PWS) attached to this task order for discrete tasks. All task order costs, other than those specifically included in another contract line item number (CLIN), are included in this CLIN.				
	All share ratios are identified as follows: Government/Contractor. The share ratios are subject to revision in accordance with the IRES Performance Evaluation and Incentive Plan (Contract Attachment J-06).				
	FOB: Destination				
	PURCHASE REQUEST NUMBER: HQ0147969867				
				TARGET COST	(b)(4)
				TARGET FEE	
				TOTAL TGT COST + FEE	
				MINIMUM FEE	
				MAXIMUM FEE	
				SHARE RATIO ABOVE TARGET	
				SHARE RATIO BELOW TARGET	

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100101	CLIN 1001, 10.5.06 Windows Server OS Upg	
	ACRN AK	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147969867	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100102	CLIN 1001, 10.5.010 for Linux Migration	
	ACRN AK	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147969867	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100103	CLIN 1001, 10.5.08 Server HW LC Refresh	
	ACRN AK	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147969867	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1040		(b)(4)			(b)(4)

Expensed CAP: IT IIW/Equip (MSTs)  
CPIF

Contractor purchase of expensed contractor-acquired property (CAP), specifically information technology (IT) hardware (HW)/equipment (equip), necessary to provide the services/capabilities identified in the PWS attached to this task order for Mission Support Taskings (MSTs). CAP is defined in FAR 52.245-1. IT hardware/equipment is a subset of equipment as defined in DoDI 5000.64.

Expensed CAP line items were created as an accounting mechanism designed to provide MDA better visibility and linkage of budget, obligation, expenditure, and government property data. Given the need for this level of visibility and linkage, as well as the need to include these costs as an integral component of the incentives, all task order CLINs are combined and considered a single entity for the purpose of administering the cost and performance incentives identified in the IRES PEIP (Contract Attachment J-06).

All share ratios are identified as follows: Government/Contractor. The share ratios are subject to revision in accordance with the IRES PEIP.

NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.

FOB: Destination

PURCHASE REQUEST NUMBER: HQ01 47968094

TARGET COST  
TARGET FEE

TOTAL TGT COST + FEE  
MINIMUM FEE  
MAXIMUM FEE

SHARE RATIO ABOVE TARGET  
SHARE RATIO BELOW TARGET

(b)(4)

FSC CD: 7025

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104001		

CLIN 1040, SPDs in Japan

ACRNAC

PURCHASE REQUEST NUMBER: HQ0147969551

(b)(4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104002	1040, TACLANEs	
	ACRN AD	(b)(4)
	PURCHASE REQUEST NUMBER: HQ01 47969629	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104003	CLIN 1040, (NSITE)KCS and (SCS)	
	ACRN AF	(b)(4)
	PURCHASE REQUEST NUMBER: HQ01 47969800	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104004	CLIN 1040, PRIDE 191 68: New Site, El Seg	
	ACRNAH	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147969487	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104005	CLIN 1040, DTW - IRES (Jacobs), TRD	
	ACRNAC	(b)(4)
	PURCHASE REQUEST NUMBER: HQ01 4796971 7	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104006	CLIN 1040, Grey Butte	
	ACRNAN	(b)(4)
	PURCHASE REQUEST NUMBER: HQ01 47969449	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104007	CLIN 1040, Grey Butte	
	ACRNAP	(b)(4)
	PURCHASE REQUEST NUMBER: HQ01 47969452	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104008	CLIN 1040, FTT-23 IC/Comm support for FT	
	ACRNAR	(b)(4)
	PURCHASE REQUEST NUMBER: HQ01 47969850	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104009	CLIN 1040, FTG-11 Viewing at USNCOM	
	ACRNAT	(b)(4)
	PURCHASE REQUEST NUMBER: HQ01 47969896	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104010	CLIN 1040,PS19-3 Est CNET Service at PWC	
	ACRN AC	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147970192	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1041	Expensed CAP: IT HW/Equip (Discrete Pro) CPIF	1	Combo		(b)(4)
	Contractor purchase of expensed contractor-acquired property (CAP), specifically information technology (IT) hardware (HW)/equipment (equip), necessary to provide the services/capabilities identified in the PWS attached to this task order for discrete tasks. CAP is defined in FAR 52.245-1. IT hardware/equipment is a subset of equipment as defined in DoDI 5000.64. NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent. FOB: Destination PURCHASE REQUEST NUMBER: HQ0147969867				
				TARGET COST	(b)(4)
				TARGET FEE	
				TOTAL TGT COST + FEE	
				MINIMUM FEE	
				MAXIMUM FEE	
				SHARE RATIO ABOVE TARGET	
				SHARE RATIO BELOW TARGET	

FSC CD: 7025

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104101	CLIN 1041, I05.08 Server HW LC Refresh  ACRN AL  PURCHASE REQUEST NUMBER: HQ0147969867	(b)(4)

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1060	Expensed CAP: COTS IUS (MSTs) CPIF Contractor purchase of expensed contractor acquired property (CAP), specifically commercial-off-the-shelf (COTS) internal use software (IUS), necessary to provide the services/capabilities identified in the PWS attached to this task order for Mission Support Taskings (MSTs). CAP is defined in FAR 52.245-1. COTS IUS is a subset of IUS as defined in DoDI 5000.76.  Expensed CAP line items were created as an accounting mechanism designed to provide MDA better visibility and linkage of budget, obligation, expenditure, and government property data. Given the need for this level of visibility and linkage, as well as the need to include these costs as an integral component of the incentives, all task order CLINs are combined and considered a single entity for the purpose of administering the cost and performance incentives identified in the IRES PEIP (Contract Attachment J-06).  All share ratios are identified as follows: Government/Contractor. The share ratios are subject to revision in accordance with the IRES PEIP. NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent. FOB: Destination PURCHASE REQUEST NUMBER: HQ0147968094	I	Combo		(b)(4)
TARGET COST					(b)(4)
TARGET FEE					
TOTAL TGT COST + FEE					
MINIMUM FEE					
MAXIMUM FEE					
SHARE RATIO ABOVE TARGET					
SHARE RATIO BELOW TARGET					

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106001	CLIN 1061 , SPDs in Japan	
	ACRN AC	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147969551	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106002	(NSITE)KCS and (SCS)	
	ACRN AF	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147969800	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106003	CLIN 1060, PRIDE 191 68: New Site, El Seg	
	ACRNAH	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147969487	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
7990		1	Lot		NSP

Data (NSP)

FFP

The contractor shall deliver all data identified in the contract data requirements lists (CDRL) attached to this task order.

Reference Section G of the basic contract. At the end of the task order period of performance, the contractor shall submit one Invoicing, Receipt, Acceptance, and Property Transfer (iRAPT) receiving report for all data previously delivered.

FOB: Destination

PURCHASE REQUEST NUMBER: HQ01 47968094

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NET AMT

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
7991		1	Lot		NSP

Expensed CAP Delivery (NSP)

FFP

Delivery of expensed CAP as required by the IRES Government Property Management Task Order.

NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.

FOB: Destination

PURCHASE REQUEST NUMBER: HQ01 47968094

---

NET AMT

FSC CD: AC23

Section E - Inspection and Acceptance

INSPECTION AND ACCEPTANCE TERMS

Supplies/services will be inspected/accepted at:

CLIN	INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
1000	Origin	Government	Destination	Government
100001	N/A	N/A	N/A	N/A
100002	N/A	N/A	N/A	N/A
100003	N/A	N/A	N/A	N/A
100004	N/A	N/A	N/A	N/A
100005	N/A	N/A	N/A	N/A
100006	N/A	N/A	N/A	N/A
100007	N/A	N/A	N/A	N/A
100008	N/A	N/A	N/A	N/A
100009	N/A	N/A	N/A	N/A
100010	N/A	N/A	N/A	N/A
100011	N/A	N/A	N/A	N/A
1001	Origin	Government	Destination	Government
100101	N/A	N/A	N/A	N/A
100102	N/A	N/A	N/A	N/A
100103	N/A	N/A	N/A	N/A
1040	Origin	Government	Destination	Government
104001	N/A	N/A	N/A	N/A
104002	N/A	N/A	N/A	N/A
104003	N/A	N/A	N/A	N/A
104004	N/A	N/A	N/A	N/A
104005	N/A	N/A	N/A	N/A
104006	N/A	N/A	N/A	N/A
104007	N/A	N/A	N/A	N/A
104008	N/A	N/A	N/A	N/A
104009	N/A	N/A	N/A	N/A
104010	N/A	N/A	N/A	N/A
1041	Origin	Government	Destination	Government
104101	N/A	N/A	N/A	N/A
1060	Origin	Government	Destination	Government
106001	N/A	N/A	N/A	N/A
106002	N/A	N/A	N/A	N/A
106003	N/A	N/A	N/A	N/A
7990	Origin	Government	Destination	Government
7991	Destination	Government	Destination	Government

Section F - Deliveries or Performance

DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	DODAAC / CAGE
1000	POP 28-FEB-2019 TO 04-JUL-2020	N/A	MISSILE DEFENSE AGENCY (MDA) (b)(6) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 (b)(6) FOB: Destination	HQ0796
100001	N/A	N/A	N/A	N/A
100002	N/A	N/A	N/A	N/A
100003	N/A	N/A	N/A	N/A
100004	N/A	N/A	N/A	N/A
100005	N/A	N/A	N/A	N/A
100006	N/A	N/A	N/A	N/A
100007	N/A	N/A	N/A	N/A
100008	N/A	N/A	N/A	N/A
100009	N/A	N/A	N/A	N/A
100010	N/A	N/A	N/A	N/A
100011	N/A	N/A	N/A	N/A
1001	POP 11-MAR-2019 TO 04-JUL-2020	N/A	MISSILE DEFENSE AGENCY (MDA) (b)(6) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 (b)(6) FOB: Destination	HQ0796
100101	N/A	N/A	N/A	N/A
100102	N/A	N/A	N/A	N/A

100103	N/A	N/A	N/A	N/A
1040	04-JUL-2020	1	MISSILE DEFENSE AGENCY (MDA) (b)(6) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 (b)(6) FOB: Destination	HQ0796
104001	N/A	N/A	N/A	N/A
104002	N/A	N/A	N/A	N/A
104003	N/A	N/A	N/A	N/A
104004	N/A	N/A	N/A	N/A
104005	N/A	N/A	N/A	N/A
104006	N/A	N/A	N/A	N/A
104007	N/A	N/A	N/A	N/A
104008	N/A	N/A	N/A	N/A
104009	N/A	N/A	N/A	N/A
104010	N/A	N/A	N/A	N/A
1041	04-JUL-2020	1	MISSILE DEFENSE AGENCY (MDA) (b)(6) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 (b)(6) FOB: Destination	HQ0796
104101	N/A	N/A	N/A	N/A
1060	04-JUL-2020	1	MISSILE DEFENSE AGENCY (MDA) (b)(6) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 (b)(6) FOB: Destination	HQ0796
106001	N/A	N/A	N/A	N/A
106002	N/A	N/A	N/A	N/A

106003	N/A	N/A	N/A	N/A
7990	POP 28-FEB-2019 TO 04-JUL-2020	N/A	MISSILE DEFENSE AGENCY (MDA) (b)(6) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 (b)(6) FOB: Destination	HQ0796
7991	04-JUL-2020	1	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796

Section G - Contract Administration Data

ACCOUNTING AND APPROPRIATION DATA

AA: 044411097 0400.000 N 20192020 D 2500 Z4_SC30P_FY19 AMOUNT: (b)(4)	IT-19HCU-FY1920	71IC	255
AB: 044411097 0400.000 N 20192020 D 2500 XK_ST03P_FY19 AMOUNT: (b)(4)	DT-X2-FY1920	71DT	255
AC: 044411097 0400.000 N 20192020 D 2500 XK_ST03P_FY19 AMOUNT: (b)(4)	DT-X2-FY1920	71DT	310
AD: 044411097 0400.000 N 20192020 D 2500 YG_ST05P_FY19 AMOUNT: (b)(4)	TC-06-FY1920	71TC	310
AE: 044411097 0400.000 N 20192020 D 2500 YF_ST04P_FY19 AMOUNT: (b)(4)	DT-B02J-FY1920	71DT	255
AF: 044411097 0400.000 N 20192020 D 2500 YF_ST04P_FY19 AMOUNT: (b)(4)	DT-B02J-FY1920	71DT	310
AG: 044411097 0400.000 N 20182019 D 2520 Y3_SD97P_FY18 AMOUNT: (b)(4)	GM-IT-FY1819	71GM	255
AH: 044411097 0400.000 N 20182019 D 2520 Y3_SD97P_FY18 AMOUNT: (b)(4)	GM-IT-FY1819	71GM	310
AJ: 9790400.2500 19 BM 2500 4060389ICOO 255X SI2109 MD9D27PAOC0180 920004 AMOUNT: (b)(4)			
AK: 044411097 0400.000 N 20192020 D 2500 Z4_SC30P_FY19 AMOUNT: (b)(4)	IT-19LCU-FY1920	71IC	255
AL: 044411097 0400.000 N 20192020 D 2500 Z4_SC30P_FY19 AMOUNT: (b)(4)	IT-19HCU-FY1920	71IC	310
AM: 044411097 0400.000 N 20182019 D 2520 YY_ST99P_FY18 AMOUNT: (b)(4)	DV-373-FY1819	71DV	255
AN: 044411097 0400.000 N 20182019 D 2520 YY_ST99P_FY18 AMOUNT: (b)(4)	DV-373-FY1819	71DV	310
AP: 044411097 0400.000 N 20192020 D 2500 YY_SD98P_FY19 AMOUNT: (b)(4)	DE-15-FY1920	71DV	310
AQ: 044411097 0400.000 N 20192020 D 2500 YF_ST04P_FY19 AMOUNT: (b)(4)	TH-0T6CU-FY1920	71TH	255
AR: 044411097 0400.000 N 20192020 D 2500 YF_ST04P_FY19 AMOUNT: (b)(4)	TH-0T6CU-FY1920	71TH	310
AS: 044411097 0400.000 N 20192020 D 2500 YF_ST04P_FY19 AMOUNT: (b)(4)	DT-T20-FY1920	71DT	255
AT: 044411097 0400.000 N 20192020 D 2500 YF_ST04P_FY19 AMOUNT: (b)(4)	DT-T20-FY1920	71DT	310
ACRN	CLIN/SLIN	CIN	AMOUNT

AA	100001	HQ01479680940010
AB	100002	HQ01479695510001
	100007	HQ01479697170001
	100011	HQ01479701920001
AC	104001	HQ01479695510002
	104005	HQ01479697170002
	104010	HQ01479701920002
	106001	HQ01479695510003
AD	104002	HQ01479696290001
AE	100003	HQ01479698000001
AF	104003	HQ01479698000002
	106002	HQ01479698000003
AG	100004	HQ01479694870001
	100005	HQ01479694870002
AH	104004	HQ01479694870003
	106003	HQ01479694870004
AJ	100006	D09MSC901800001
AK	100101	HQ0147969867100101
	100102	HQ0147969867100102
	100103	HQ0147969867100103
AL	104101	HQ0147969867104101
AM	100008	HQ01479694490001
AN	104006	HQ01479694490002
AP	104007	HQ01479694520001
AQ	100009	HQ01479698500001
AR	104008	HQ01479698500002
AS	100010	HQ01479698960001
AT	104009	HQ01479698960002

(b)(4)

#### CLAUSES INCORPORATED BY REFERENCE

52.232-22	Limitation Of Funds
252.211-7003	Item Unique Identification and Valuation

APR 1984  
 MAR 2016

#### BILLING INSTRUCTIONS

Payments for CLINs 1000, 1001, 1040, 1041, and 1060 will be made in accordance with FAR 52.216-7, Allowable Cost and Payment. Payments and the fee payable under the task order are subject to adjustments in accordance with FAR 52.216.10, Incentive Fee, and performance assessments conducted in accordance with the IRES Performance Evaluation and Incentive Plan (Attachment J-06).

In accordance with FAR 52.216-10(c)(1), the Contractor is authorized to bill fee by contract line item number (CLIN) not to exceed the following: (b)(4) x (cost billed against the CLIN to date, including this voucher). Overbilling of fee as a result of this change in the billing instructions shall not be refunded to the Government, unless the overbilling cannot be corrected any other way. Instead, fee shall not be billed until the contractor is no longer in an overbilling status. The Contractor shall show the fee calculation by line item on each voucher.

All task order CPIF CLINs are combined and considered a single entity for the purpose of administering the cost and performance incentives identified in the IRES PEIP (Contract Attachment J-06).

WAWF email notifications. In accordance with 252.232-7006, the Contractor shall enter the following email addresses in the "Send Additional Email Notifications" field of WAWF once a document is submitted in the system:

CLIN 7990: (b)(6)

CLIN 7991: (b)(6)

LIMITATION OF FUNDS SCHEDULE

Pursuant to the "Limitation of Funds" clause (FAR 52.232-22), the total sum presently available for payment by the Government and allotted each contract line item is:

CLIN	Funding	Fee	Total Funding	Estimated Run Out Date
1000	(b)(4)			10-Apr-19
1040				9-Apr-19
1060				26-Mar-19
1001				4-Jul-20
1041				4-Jul-20

DEAS PAYMENT INSTRUCTIONS

The payment office shall allocate and record the amounts paid to the accounting classification citations in the contract based on the type of payment request submitted (see DFARS 252.232-7006) and the type of effort using the table found at [https://www.acq.osd.mil/dpap/dars/pgi/pgi\\_html/current/PGI204\\_71.htm#payment\\_instructions](https://www.acq.osd.mil/dpap/dars/pgi/pgi_html/current/PGI204_71.htm#payment_instructions).

Section J - List of Documents, Exhibits and Other Attachments

Exhibit/Attachment Table of Contents

DOCUMENT TYPE	DESCRIPTION	PAGES	DATE
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Attachment 2	PWS Attachment A	12	08-MAR-2019

Missile Defense Agency (MDA)  
**Integrated Research and Development for Enterprise Solutions (IRES)**

Contractor Number:

**HQ0796-17-D-0001**

Task Order Title:

**Information Technology (IT) Projects**

Task Order Number:

**19F8700**

Period of Performance:

**29 February 2019 – 4 July 2020**

Task Order Type:

**Cost-Plus Incentive Fee (CPIF)**

### Performance Work Statement Revision History

Rev	Mod	Date	Revision / Change Description
0	00	18 Oct 2018	Original PWS

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## 1. Purpose

This Task Order, Information Technology (IT) Project Engineering Services, will provide new and enhanced capabilities to the MDA Information Environment (MIE) in support of the Enterprise IT Services (EITS) Task Order. The EITS Task Order supports the Missile Defense Agency (MDA) with Enterprise (agency-wide) IT capabilities:

1. Supporting Ballistic Missile Defense System (BMDS) Research, Development, Test, and Evaluation (RDT&E) requirements,
2. Providing MDA administrative and business requirements, and
3. Enabling BMDS mission support tasks for deployed systems.

The Chief Information Officer (CIO) has oversight and provides assistance and support for all three IT environments to ensure compliance with the regulatory requirements. The office of the CIO is responsible for ensuring that Information Management (IM)/IT capabilities are acquired and that information resources are managed and protected for the MDA in a manner that meets the requirements of legislation, regulations, and directives. These include, but are not limited to, the Clinger-Cohen Act of 1996, the Paperwork Reduction Act of 1995, the E-Government Act, the Federal Information Security Management Act (FISMA) of 2002, the President's Management Agenda, the Department of Defense (DoD) 8500 policy framework, DoD Directive 8000.1, National Security Agency IA policies, and the priorities established by the MDA Director.

The MDA Enterprise Information Environment Mission Area (EIEMA) and Business Mission Areas (BMA) are Department of Defense Architecture Framework (DoDAF), Risk Management Framework (RMF), and Joint Information Environment (JIE) compliant; they provide data processing, storage, and transport; systems and network management; data analysis and information dissemination; data management; and cybersecurity functions. The CIO provides MDA-wide secure classified and unclassified IT systems; data centers; operations and monitoring centers; telecommunications; local and wide-area network infrastructure; and customer services to meet both DoD and MDA requirements of high availability, disaster recovery and continuity of operations.

The CIO also provides support to the Warfighter Mission Area and the Defense Intelligence Mission Area for various components located within the MDA core sites. Components such as the Joint Functional Component Command-Integrated Missile Defense and the Intelligence Support Center represent two of the groups in these mission areas supported within the Integrated Research and Development for Enterprise Solutions (IRES) contract.

MDA adheres to the DoD Unified Capabilities Operational Framework to tie together multiple mission areas into an integrated framework. This integrated framework facilitates JIE efficiencies without sacrificing the ability to meet the special purpose IT requirements of the development and test enclaves that support the timely BMDS development and fielding schedules. MDA data centers are registered with the DoD CIO as Special Purpose Processing Nodes (SPPNs). MDA's SPPNs support unique requirements (e.g., RDT&E enclaves residing on the Defense Research and Engineering Network (DREN)) that have varying levels of security, access requirements, development requirements, and security IA (IA) controls IAW DISA "Enclave Test and Development Security Technical Implementation Guide" (STIG) Zones A through D. MDA follows the JIE standards to the maximum extent possible to facilitate information

sharing. MDA's capabilities-based acquisition model demands collaboration services across multiple government and contractor sites that are interconnected via the DREN infrastructure and the Department of Defense Information Network (DoDIN). This network infrastructure is highly integrated, supporting the wide range of scientific research, missile defense development, business operations, and day-to-day collaboration required to bring the BMDS from concept to reality.

## **1.1. Goals**

### **1.1.1. Goal 1: Enable Mission Success through Effective and Efficient IT Services**

In order to meet the dynamic demands of the missile defense community, the contractor will align to the following objectives:

- Promote systems thinking across the organization in all projects
- Increase its organizational agility by continuously improving its end-to-end IT service delivery and underlying technologies,
- Establish governing processes and workforce skill sets (e.g., requirements management, service design, release and change management, service transition, and governance functions including technical integration, configuration control, and data management) to achieve a dynamic learning organization

Key activities to achieve these objectives:

- Integration with appropriate MDA critical processes (e.g., Business, system engineering, and security engineering processes)
- Evolve current operational methodologies to the use of the DevOps and Agile Software Development approaches
- Substantial use of automation and enterprise-wide data collection capabilities to feed MIE dashboards and BI solutions
- Automated security testing as a part of the deployment process

Taken together, these activities will increase the rate of service delivery, strengthen the MIE security posture, and achieve streamlined change and configuration management processes.

### **1.1.2. Goal 2: MIE Defense in Depth**

In order to achieve the required level of Confidentiality, Integrity, and Availability (CIA) of MIE resources and data, the contractor will align to the following objectives:

- Achieve a single security architecture
- Field the MIE Computer Emergency Response Team (CERT)
- Ensure Security "designed in" as a part of project life-cycle management

Key activities to achieve these objectives:

- Strong Identity Management, Device Hardening, and Reduced Attack Surfaces
- Integration of Cybersecurity and GIOC concept (NOSC)
- Maintain Tier 2 Certified Network Defense Service Provider Certification
- Leverage CERT to provide Compliance Monitoring and RMF Activities

- Integrate RMF and DoDAF processes as a part of project life-cycle management

Taken together, these activities will achieve a MIE comprised of shared IT infrastructure, enterprise services, and a single security architecture to achieve full spectrum superiority, improve mission effectiveness, increase security, and realize IT efficiencies

### **1.1.3. Goal 3: MIE Continuous Service Improvement through Innovation and Evolution**

In order to sustain continuous improvement of MIE capabilities, the contractor will align to the following objectives:

- Efficient and Effective MIE Lifecycle Management
- Maintain Standards-based MIE Compliant with JIE
- Expand Role of Automation and Analytics

Key activities to achieve these objectives:

- Identify and Assess Technological Gaps
- Develop and Follow Technology Roadmap informing Selection Criteria
- Refresh Technologies and Introduce Automation to Increase Pace of Compliant Service Delivery
- Identify, Investigate New Technologies with priority on:
  - Cybersecurity Technologies
  - Cloud Services
  - Business Analytics
  - Software Defined Data Center as SPPN
  - Mobile Technologies

Taken together, these continuous improvement activities ensure a relevant and secure MIE with increasing efficiency and effectiveness in support of the MDA mission.

## 2. Background

### 2.1. Adoption of IT Infrastructure Library (ITIL)

The CIO has adopted the IT Infrastructure Library (ITIL) as the framework for organizing IT processes and services, and training the IT workforce to meet an IT Service Management (ITSM) construct. Accordingly, IC has established five staff functions to manage the Infrastructure Integration and Event Support, IM, and IT Operations and Cybersecurity capabilities:

1. IC Staff– IM and Technology Operations
2. ICM – Infrastructure Integration and Event Support
3. ICV – Information and Computer Network Defense (CND)
4. ICT – IM and Technology Operations
5. Regional IT Support

Five staff functions manage the IT/IM enterprise to ensure compliance with federal mandates, DoD policies, and compliance reporting to field Enterprise compliant IT solutions, manage information, and to operate and defend our infrastructure (i.e. compute, storage, networks) and information. The synergy achieved by the relationship between these functions results in the agile delivery of services such as Network Operation (NetOps), IT-as-a-Service (ITaaS), and Software Defined Data Centers (SDDCs) that will provide the desired effects of assured system and network availability, assured information protection, and reliable information delivery.

In addition to the staff functions, a Global Integrated Operations Center (GIOC *aka* ITNSC) watch will be established to provide continuous support, monitoring and security of all delivered capabilities and services. The GIOC watch will be an integrated team of Subject Matter Experts (SMEs) from across the enterprise that represent all security, operational and engineering components of the MIE.

### 3. Scope

The anticipated 165 engineering work packages developed under this Task Order will support the MDA CIO's mission to ensure that MDA's IT Enterprise services and resources are designed, acquired, installed and transitioned to Operations and Maintenance (O&M) in compliance with the goals and directives of existing statutes and DoD regulations, as well as priorities set by the MDA Director and CIO. This Task Order will provide fielding of effective, efficient, secure, and reliable information technology services (e.g. compute, storage, networking, applications, security). This Task Order will leverage and expand capacity in MDA Data Centers to accommodate EITS and customer requirements in a hybrid, cloud-based, dynamic enterprise architecture. This Task Order will expand/enhance the MDA administrative and general services (ADMIN/Genser) defined as MDA's Enterprise unclassified and classified networks, RDT&E network, Facilities Infrastructure LAN (FILAN) and network IT elements (i.e., routers, switches, firewalls and gateways), shared services (i.e. Active Directories, Authentication/Authorization services, enterprise messaging bus, enterprise audit, Domain Name Service) workstations, servers and peripherals (i.e. infrastructure provisioning).

All projects fielded under this Task Order will be required to contribute to and participate in the Enterprise Monitoring and Audit service. Primarily this means that each fielded capability that generates non-mission related data or meta-data (e.g. operating system logs, application logs, error logs, security logs, hardware performance data) *must send that data to the common data repository* used to conduct continuous monitoring and audit activities across the enterprise. Additionally this data will be analyzed for business intelligence, trends, cost and performance optimizations, forensic/security investigations and any other future analysis required by the MDA, DoD or the missile defense community at large.

Projects accomplished under this task order will follow an industry standard project management lifecycle. The agreed project management lifecycle includes the following high-level phases:

- PHASE 1: Concept and Initiation (Service Strategy) – Milestone 1
- PHASE 2: Definition and Planning (Service Design) – Milestone 2
- PHASE 3: Execution and Control (Service Transition) – Milestone 3
- PHASE 4: Install and Operations (Service Operations) – Milestone 4
- PHASE 5: Close – Milestone 5

Project activities or elements, with MDA CIO agreement, should be tailored to address the size, scope and complexity of the identified project to ensure a high probability of success. IT Solutions and Engineering Services should deliver quality products and services meeting MDA Agency Stakeholders and BMDS Test event requirements IAW established governance processes. Engineering Services are able to scale to the needs of the Agency in an agile and adaptable manner.

Tailoring includes adjusting the elements and documentation for each project phase to eliminate unnecessary documentation as well as desired attributes and SSIs. Tailoring also includes identifying additional steps needed for new concept, technology, software investigations, development and testing, to increase the probably of project success.

For example, development of new software capabilities would require the use of separate, but identical, environments: 1) Development (DEV), 2) Test (TEST), and 3) Production (PROD). Each step uses automation to provision and configure the exact same resources for each step of development.

The following template is provided to support requirement submission to the contractor for proposal:

**Task xxx Project Title [Funding 2 ltr] [MOD X]**

Project Champion:

[REQ/KSR #: xxxxxx] (if n/a, delete)

Background: Provide description of the project and the intended outcome(s). List past or current tasks or board approvals that the contractor should reference

Tasking: Describe the requirements, expectations, critical timelines, constraints at the high level.

**Requested Milestones**

<u>Milestone</u>	<u>Schedule</u>
Requirements	20 DAC
Architecture	20 DA Requirements approval
PDR	30 DA Architecture approval
DDR	30 DA PDR approval

<u>Milestone</u>	<u>Schedule</u>
IRR	20 DA DDR or award
Equipment Receipt	60 DAC / DDR / IRR
Installation	30 DA IRR
ORR	30 DA Install complete
Operational Capability Date	1 DA Install / ORR
Transition to O&M	15 DA ORR approval
Project Close	10 DA Transition complete

**Requested Artifacts/deliverables**

REQUIRED	IRIS MILESTONE DELIVERABLES	PRODUCT TYPE	STATUS	RESPONSIBILITY
No	<b>Requirements Slide Package</b>			
No	Requirements Traceability Matrix (RTM)	Document	50%	Architect
No	<b>Architecture Slide Package</b>			
No	Operational Viewpoint (OV-1)	Diagram	50%	Architect
No	Capability Viewpoint (CV-1)	Diagram	50%	Architect
No	Logical Viewpoint (SvcV-1)	Diagram	50%	Architect
No	Requirements Traceability Matrix (RTM)	Document	50%	Architect
No	AoA / CoA (If Required)	Slide Package	Final	Architect
No	<b>Preliminary Design Review (PDR) Slide Package</b>			
No	Operational Viewpoint (OV-1)	Diagram	Final	Architect
No	Capability Viewpoint (CV-1)	Diagram	Final	Architect
No	Logical Viewpoint (SvcV-1)	Diagram	50%	Architect
No	CV-3/4 (Rev as needed)	Diagram	50%	Architect & Engineer
No	High Level Design	Diagram	Final	Architect & Engineer
No	Requirements Traceability Matrix (RTM)	Document	50%	Architect
No	Rough Order of Magnitude (ROM)	Document	50%	Architect & Engineer
No	Business Continuity / Disaster Recovery	Document	50%	Architect & Engineer
No	<b>Detailed Design Review (DDR) Slide Package</b>			
No	Operational Viewpoint (OV-1)	Diagram	Final	Architect
No	Capability Viewpoint (CV-1)	Diagram	Final	Architect
No	Logical Viewpoint (SvcV-1)	Diagram	Final	Design Engineer
No	Physical Viewpoint (SV-1)	Diagram	Final	Design Engineer
No	CV-3/4 (Rev as needed)	Diagram	Final	Design Engineer
No	Rack Elevation Drawing	Diagram	Final	Design Engineer
No	Facility Layout Drawing	Diagram	Final	Design Engineer
No	Cyber Scorecard	Diagram	Final	Design Engineer
No	Roles and Responsibilities	Document	50%	Design Engineer
No	CONOPS	Document	50%	Engineer & Architect
No	Requirements Traceability Matrix (RTM)	Document	50%	Engineer & Architect
No	Bill of Materials (BOM)	Document	Final	PJM & Engineer
No	Business Continuity / Disaster Recovery	Document	Final	Engineer & Architect
No	Implementation Plan	Document	Final	Design Engineer
No	Integrated Test Plan	Document	50%	Design Engineer
No	Vendor Maintenance	Document	Final	Engineer & Maintenance Contracts
No	Monitoring	Document	Final	Engineer & O&M
No	Detailed Design	Document	Final	Design Engineer
No	<b>Implementation Readiness Review (IRR) Slide Package</b>			
No	Operational Viewpoint (OV-1)	Diagram	Final	Architect
No	Capability Viewpoint (CV-1)	Diagram	Final	Architect
No	Change Management Documentation CRQ (DDIP / Test Plan)	Document	CAB Ready	Design Engineer
No	Roles and Responsibilities	Document	Final	Project Manager
No	Customer / User Communications Plan	Document	50%	PJM & Engineer
No	User/O&M Training Plan	Document	Final	Design Engineer
No	Integrated Test Plan	Document	Final	Design Engineer
No	<b>Operational Readiness Review (ORR) Slide Package</b>			
No	CONOPS	Document	Final	Design Engineer
No	Customer/User Communications Plan	Document	Final	PJM & Engineer
No	Transition Plan	Document	Final	Design Engineer
No	Test Results	Document	Final	Design Engineer
No	Requirements Traceability Matrix (RTM)	Document	Final	Design Engineer
No	<b>Transition to O&amp;M</b>			
No	CONOPS	Document	Final	Design Engineer
No	Standard Operating Instructions/Procedures (SOP/P)	Document	Final	Design Engineer
No	O&M Training	Document	Final	Design Engineer
No	<b>Project Closeout</b>			
No	ROM to MDA/IC Identifying 5 year sustainment costs (SSI 5)	Document	Final	Operations & Maintenance
No	Project Closure Form (CAF)	Document	Final	Project Manager
No	IRE5 e-mail to customer with cc to Project Champion and COTR confirming that IRES met the Operational Capability Date (SSI 6)	E-mail	Final	Project Manager
No	RMF Artifacts, IATT, IATO, ATO (accepted in eMASS)	Document	Final	IA Engineer
No	Cross Domain Appendix (CDS)	Document	Final	Design Engineer
No	Data Owner Guidance (CDS)	Document	Final	Design Engineer
No	SBSA Test Plan (CDS)	Document	Final	Design Engineer
No	Other Document 1 (delete if not required)	Document	Final	As Required
No	Other Document 2 (delete if not required)	Document	Final	As Required
No	Other Document 3 (delete if not required)	Document	Final	As Required

Project GFI or GFE: (must provide GFI in GFI folder if listed here)

- 1.
- 2.

Historical project elements are mapped to the agreed project management lifecycle phases below for reference. These activities and milestones are for reference. They are not mandated in the tasking or the response, but should be considered in development of the solution:

### **PHASE 0 – Triage and Disposition of Kinetic Service Request (KSR) Tickets/Requests**

Triage of KSR tickets/requests are accomplished as part of the Scope of the EITS Task Order. The outcome of this triage process will be the following:

- Determination of whether a ticket/request will be addressed in the O&M scope of the EITS Task Order (5.9) or if the ticket/request will be handled as an SRT or transitioned to this Task Order (Discrete Project).
- The development of initial work products enumerated in paragraph 3.1 below.

Each ticket/request disposition may require the items from the list below:

<b>EITS Triage and Disposition</b>		
<b>Product</b>	<b>Product Type</b>	<b>% Complete</b>
Business Case	Document	50%
High-level Requirements	Document	75%
High-level Risks	Document	50%
High-level Timeline	Slide Package	50%
Project Charter / PSC Package	Document	100%
BOM/ROM	Document	50%

The products enumerated above (or a tailored sub-set) will be sufficient to initialize work to begin in the O&M scope of the EITS Task Order (5.9) or seed equivalent products for SRT/Discrete Projects.

### **3.1. Concept and Initiation (PHASE 1)**

Phase 1 is a collaborative effort in defining, understanding, and establishing stakeholder consensus on the scope, size and complexity of the project.

<b>Project Concept</b>		
<b>Product</b>	<b>Product Type</b>	<b>% Complete</b>
Business Case	Document	50%
High-level Requirements	Document	100%
Capabilities and Benefits	Slide Package	100%
High-level Risks	Document	50%
High-level Timeline	Slide Package	50%
AoA / CoA	Document	100%
Project Charter / PSC Package	Document	100%
BOM/ROM/Engineering Estimate	Document	50%
10.5 Proposal	Document	100%

### 3.2. Project Management (PHASE 2)

The contractor will execute project management oversight, customer outreach and requirement gathering activities, as well as provide project transparency to project champions and project stakeholders (e.g. customers) through effective and frequent communications liaison and communication. The Contractor will field a team of appropriate personnel from across the IC to execute the project. The team may be composed of PM, System Engineer, Architect/Software Engineer, Security/IA SME, Developer, Automation Engineer, QA/Tester, **DevOps** Engineer. The Contractor is responsible for the delivery and quality control of all required project documentation in support of service architecture, engineering, design and accreditation. Each project may require the items from the list below:

Project Management		
Product	Product Type	% Complete
Project Plan	Document	100%
Financial Reports	Report	100%
Variance (schedule and cost)	Report	100%
Briefings	Slide Package	100%
Candidate Risks	Slide Package	100%
Weekly Activity Report	Document	100%
Monthly Project Review	Slide Package	100%
Meeting Minutes and Action Items	Document	100%
Project Closeout Documents	Document	100%

### 3.3. Requirements (PHASE 2)

This element is designed to capture the requirements (clearly delineating classification requirements) along with applicable Federal and **DoD** directives. An initial Concept of Operations (**CONOPS**) is needed to put the requirements in context and required to start the Assessment & Authorization process. The requirements package will be presented to the appropriate level review for government and customer approval. Each project may require the items from the list below:

Requirements Package		
Product	Product Type	% Complete
Requirements Traceability Matrix (RTM)	Document	40%
Requirements Slide Package	Slide Package	100%
<b>CONOPS</b> Outline	Document	25%

### 3.4. Architecture (PHASE 2)

The architecture element is designed to analyze the requirements and establish possible solutions. If multiple solutions are under consideration, then an Analysis of Alternatives (**AoA**) and recommended Course of Action (**CoA**) is provided. Some projects may result in a AoA/CoA as the primary output product. Each project may require the items from the list below:

Architecture Package		
Product	Product Type	% Complete
Operational Viewpoint (OV-1)	Diagram	75%
Capability Viewpoint (CV-1)	Diagram	50%
Service Viewpoint (SvcV-1)	Diagram	25%
RTM Update	Document	50%
CONOPS Update	Document	40%
AoA / CoA	Slide Package	100%

### 3.5. IA Assessment, Reviews and Documentation (PHASE 2)

This element is intended to initiate the **IA** Assessment, complete the tailored set of deliverables and deliver the **RMF** package to **IA Manager (IAM)/IA Office (IAO)**; resulting in either an Interim Authority to Test (IATT) for development and testing activities and Authority to Operate (ATO) for deployment/operations to Production.

IA		
Product	Product Type	% Complete
RMF: Assessment and Authorization Tailored Package	Process	100%
Interim Authority to Test (IATT) for Dev, Test Environments	Certificate	Granted
Authority To Operate (ATO) for Production Environment	Certificate	Granted

### 3.6. Preliminary Design (PHASE 2)

The Preliminary Design Review (**PDR**) is accomplished to meet the approved requirements, Operations Strategy and **DoDAF** business model(s), while being compliant with Federal and **DoD** direction, as well as, **DoD** and **MDA** standards. The **PDR** is an internal activity to ensure design supports an enterprise solution approach and addresses all security and identifies any long lead items for procurement. Each project may require the items from the list below:

Preliminary Design Package		
Product	Product Type	% Complete
OV-1 Update	Diagram	100%
CV-1 Update	Diagram	100%
SvcV-1 Update	Diagram	50%
Concept of Operations (CONOPS)	Document	50%
Interface Control Document (ICD) Updates (Draft)	Document	25%
Responsibility Assignment Matrix (RACI Matrix)	Document	25%
RTM Update	Document	75%
Bill of Materials/ Rough Order of Magnitude (BOM / ROM)	Document	50%
High Level Design	Slide Package	100%
Risk Register	Slide Package	50%
Disaster Recovery (DR)/Continuity of Operations Plan (COOP)/ Backup Plan	Slide Package	50%

### 3.7. Detailed Design Review (PHASE 2)

The Detailed Design Review (DDR) is accomplished to meet the approved requirements, Operations Strategy and DoDAF business model(s), while being compliant with Federal and DoD direction, as well as, DoD and MDA standards. The DDR will be tailored to the work products relevant to the type of project, product, or service being fielding. For example, if the capability is one related to the underlying hardware infrastructure, then more detailed engineering drawings will be required. However, if the capability is more software in nature, then detailed engineering draws would not be necessary, as software deployed in a cloud environment is not installed on a fixed asset and therefore it will not be known as to its exact physical location in the infrastructure. The DDR is presented to the appropriate level review for government and customer approval. Each project may require the items from the list below:

Detailed Design Package		
Product	Product Type	% Complete
SvcV-1 Update	Diagram	100%
SV-1 Update	Diagram	100%
Rack Elevation Drawing	Diagram	100%
Facility Layout Drawing	Diagram	100%
CONOPS Update	Document	100%
Change Management Documentation [Change Request (CRQ)]	Document	75%
Interface Control Document (ICD) Updates (Draft)	Document	75%
Responsibility Assignment Matrix (RACI Matrix)	Document	75%
RTM (Complete)	Document	100%
BOM/ROM Update	Document	100%
Detailed Design	Slide Package	100%
DRCOOP / Backup Plan	Slide Package	100%
Implementation Plan	Slide Package	100%
Implementation Test Plan	Slide Package	100%
Risk Register Update	Slide Package	100%
Vendor Maintenance	Slide Package	100%
Monitoring Trap and Polling	Slide Package	100%
User/O&M Training Plan	Slide Package	75%

### 3.8. Procurement (PHASE 3)

The procurement element lists all Other Direct Costs (ODCs) to include IT hardware, IT software, licenses, warranty, vendor support, travel, and any other items required to support the proposed implementation.

### 3.9. Facility Modification (PHASE 3)

This element identifies the required *coordination* for facility modifications (e.g., power, HVAC, cabling, Power Distribution Center (PDC), etc.) to complete the project.

### 3.10. Installation (PHASE 4)

The installation element requires installation in compliance with the Configuration Management processes and RMF documentation and validates operational acceptability through testing. It should be noted that in an agile DevOps environment, the rate of change to software is very high and should be

considered when performing change management or any delivery speed gained would be lost in process. All changes anticipated within any given iteration should be taken as one change and reviewed in hole by the Engineering Review Board. Unless a security feature or boundary is changed a “no-test” update to the **ATO** should be granted. Each project may require the items from the list below:

IT Installation		
Product	Product Type	% Complete
Change Management Documentation (CRQ/DDIP)	Document	100%
Update ICD with as-built documentation	Document	100%
Responsibility Assignment Matrix (RACI Matrix)	Document	100%
Customer/User Communications Plan (Completed)	Slide Package	100%
User/ <b>O&amp;M</b> Training Plan	Slide Package	100%
Test Results	Document	100%
Operational Capability Date (OCD)	Milestone	100%

### 3.11. O&M Standard Operating Instructions/Procedures (SOI/P) (PHASE 4)

This element develops and exercises **O&M** Standard Operating Instructions/Procedures (**SOI/P**) and Operational Level Agreements (**OLAs**), and ensure the **O&M** crew members are trained. Each project may require the items from the list below:

O&M SOI/P		
Product	Product Type	% Complete
SOI/P	Document	100%

### 3.12. Transition to O&M (PHASE 4)

Upon successful completion of the **SOI/P**, **OLA** exercises and installation testing, and after receiving the Authority to Operation (**ATO**), the project will transition to the operations crew for continued support. Since the entire team was involved from the start of the project, all facets of the capability are well understood by all. Transition in this case is simply the rest of the project team moves on to other projects, while the operational team members add this capability to their portfolio. This also better supports the tiered support concept. The support desk, also trained in this new capability, is Tier 1. The Operations team that worked the project is now Tier 2 and the engineering team is Tier 3.

Each project may require the items from the list below:

Transition to O&M		
Product	Product Type	% Complete
Anticipated Annual Sustainment Costs	Document	100%

### 3.13. Milestone Schedule (PHASE 2)

A milestone schedule will be established with each project to identify the above activities for the project and associated timeline for completion.

### 3.14. Project Close (PHASE 5)

During project close, there is a hand off between the Project Manager and the Service Owner to place the new product or service into a Product/Service Lifecycle. The project close element is relevant to completing the Project Lifecycle.

Closeout Documents		
Product	Product Type	% Complete
Configuration Management Baseline	Document	100%
Procurement Close	Document	100%
Lessons Learned	Document	100%
Final Report	Document	100%

## 4. Service Summary Items (SSIs)

Service Summary Items serve as a basis to assess contractor performance and a tool to guide improvement to services, such as Project Management, provided to the MDA CIO. SSIs represent a combination of Critical Success Factors (CSF), Key Performance Indicators (KPI), and Metrics that represent measurable performance thresholds to assess contractor performance as acceptable/unacceptable. Jacobs must meet or exceed the performance thresholds within each identified SSI to achieve a Quality Performance Index greater than Unacceptable.

MDA Projects are initiated to achieve a particular outcome, i.e., a problem or opportunity has been identified and a project commissioned to provide a solution. As part of the Project Initiating and Planning Phases we identify the output(s) which can deliver the desired outcome. During Project Execution we take steps to deliver the agreed output but sometimes fail to check that the output(s) will still deliver the expected outcome. During all phases of the project, we must examine the project from the outcome perspective and that over time the identified output(s) is the optimum way to achieve it.

Customer value derives from receiving “benefits”, and benefits are derived by a combination of these outputs and outcomes. Outputs are generally associated with processes and documents, i.e., planning documents and IPRs, etc., whereas outcomes are delivered by helping the customer achieve the benefits and value derived from the Project. Requirements and outputs focus on the meeting the how; Benefits, value, and outcomes focus on the why.

The key terms and definitions related to understanding SSIs are:

**Output:** The tangible things the project intends to produce such as plans, measurements, tracking processes and status reports that pertain to planning, managing and closing the project; project outputs are considered complete on delivery and in accordance with agreed-on specifications.

**Outcomes:** Planned payoffs, which the project intends to achieve from the outputs; important but often difficult-to-precisely-measure long-term results; documented through collaborative actions, between the Project Team and Customer/User during Project Phases 1 and 2, and evaluated/validated during the remaining Project Lifecycle and at an agreed interval following project completion.

**Benefits:** Value that is created for the project sponsor or beneficiary as a result of the successful completion of a project.

**Benefits Realization:** A means to ensure that benefits are derived from project outputs.

**Acceptance Criteria:** Set of conditions that are met before deliverables are accepted and should include both outputs and outcome acceptance criteria.

This following subsections will address SSIs developed for both project outputs and project outcomes and account for CSFs, KPIs, and Metrics that are SMART:

- (S)pecific
- (M)eaningful
- (A)chievable
- (R)elevant
- (T)ime bound

Finally, the output SSIs are contract level (mandatory) and generally numbered 1-4 and the outcome SSIs are task order specific and should be numbered 5-N.

#### **4.1. Contract Level SSIs**

IAW the **IRES** Performance Evaluation and Incentive Plan, SSIs 1 through 4 are common [required] on all Task Orders and will be assessed at the contract level (i.e., all Task Orders will receive the same rating). These will only be assessed on areas of incentive fee contract types when applicable for this Task Order.

#### **4.2. Task Order Specific SSIs**

SSI 5 (through n) [Technical Performance] captures the specific Task Order SSIs deemed essential to successful execution of the Task Order (note: The Technical Performance SSIs are to be developed / defined using the performance measures developed in collaboration with the contractor). These will only be assessed on areas of incentive fee contract types when applicable for this Task Order.

#### 4.2.1. SSI Details

The below table provides description of each SSI for this Task Order:

SSI#	Title	Description	Performance Threshold Unacceptable	Performance Threshold Acceptable	Performance Threshold Objective	Weight	Assessment Method	Measure Thresholds
SSI 1	(b)(4)							
SSI 2								

SSI 3

(b)(4)



SSI 4

(b)(4)



SSI 5

(b)(4)

SSI 6

SSI 7

SSI 8

(b)(4)

SSI 9

## 5. Contract Data Requirements List (CDRL)

The point of delivery for all CDRL products, except as noted in Exhibit C, is the **MDA E-CaRT** system. The Contractor will deliver all such products by saving and profiling them in **E-CaRT**, with the appropriate notification of delivery letter transmitted electronically to the Government's Data Management Office. Reference Exhibit C for specific CDRL delivery instructions.

### 5.1. Contract Data Requirements List (CDRL) Identification

Task	CDRL	DID	Title	Description
5.1.2.1	C001	DI-MGMT-81861/T	Integrated Program Management Report	Contains data for measuring cost and schedule performance. The IPMR is structured around seven formats that contain the content and relationships required for the electronic submissions.
5.1.2.2	C002	<del>DI-MGMT-80441/T</del> RESERVED		
5.1.2.2	C003	DI-MISC-80508B/T	Task Order Status Report: [Insert month ending]	Provides significant accomplishments, issues, concerns, lessons learned, and risks associated with the Task Order.
5.2.2.3	C004	<del>DI-MISC-80508B/T</del> RESERVED		
5.2.2.5	C005	DI-MISC-80508B/T	Project Engineering Documentation	This CDRL contains engineering documentation that potentially includes some or all of the following components: Slide Package, <b>DoDAF</b> Artifacts, Rack Elevation drawings, Facility Layout drawings, <b>CONOPS</b> , and Requirements Traceability Matrix (RTM), Version Description Documents, and Floor Plans.
5.2.2.5	C006	DI-MISC-80508B/T	Operational Support Documents:	This CDRL will contain Logical Models (services, assets and infrastructure), <b>IT</b> Training Materials, Customer IT Reports, Known Errors Database, Cable Plant Management Database, <b>SOI/Ps</b> and templates, Disaster Recovery (DR)/Continuity of Operations (COOP) <b>IT</b> Disaster Recovery (ITDR) Classified Contingency Plans, relevant new additions from outcomes/attributes for data center or other objective areas, and Business Requirements to Implementation Traceability.

### 5.2. CDRL Tailoring



Exhibit\_C\_DD\_Form\_1  
423.pdf

The DD Form 1423 associated with each CDRL, Exhibit C.

## 6. Milestone Schedule (PHASE 2)

A milestone schedule will be established with each project to identify the above activities for the project and associated timeline for completion.

Task	Activity	Date / Days After Contract (DAC)
Integrated Baseline Review		60 DAC

## **7. Government Furnished Equipment (GFE)/ Government Furnished Information (GFI)**

### **7.1. GFE**

There will be no GFE provided for this Task Order.

### **7.2. GFI**

Current architecture documentation is available via SharePoint.

### **7.3. Property**

All Property associated with this Task Order will be managed under the terms and conditions associated with Task Order 8900.

## **8. Special Requirements**

In addition to the Special Requirements identified in IRES Contract 500, paragraph 7.0, the following are applicable to this Task Order:

### **8.1. Security Requirements**

This contract may require access of classified information up to and including Top Secret SCl. The Contractor will be required to obtain a Secret Facility Clearance at the end of the transition period as to not affect contract performance and their employees requiring access to classified information will be eligible to possess a security clearance commensurate with the level of information for which they require access. All contractor personnel requiring unescorted access to MDA facilities will be required to possess and maintain a minimum of a Secret security clearance. The contractor will defer to the Contracting Officer or their representative(s) for classified access requirements. Eligibility is defined as the formal determination that an individual meets the Personnel Security requirements for Access to a specified type or types of classified information. All contractor support within the MDA workspaces will comply with applicable DoD, MDA, MDSC, and local security directives (e.g. USAF 50th Security Forces Squadron), policies, procedures, and instructions. The Contractor will exhibit vigilance in the performance of tasks within this PWS to support a secure workspace that safeguards personnel, BMDS classified and Covered Defense Information (CDI) and resources.

#### **8.1.1. Personnel Security Clearances**

All personnel assigned must have at least an interim or final (fully adjudicated) secret clearance. Some contractors may require Top Secret clearance with SCl.

#### **8.1.2. Contract Security Requirements**

Overarching contract security requirements, and Contractor access to classified information, will be as specified in the basic DD Form 254 for this Task Order. Refer to Section X – DD Form 254 for additional contract security requirements.

#### **8.1.3. Non-Disclosure Agreements**

Non-Disclosure Agreements will be in place prior to performance of work as appropriate.

#### **8.1.4. Force Protection Measures**

Contractor will comply and perform force protection measures directed by local leadership or downward directed by higher headquarters, especially when additional security measures are required for changes to base, local or national threats.

#### **8.1.5. Physical Security**

Contractor will report violations of physical security procedures to the MDA/IC Chief of Program Security upon discovery, but NLT 48 hours after discovery.

#### **8.1.6. Escort Procedures**

Contractor will comply with all escort procedures for cleared and uncleared visitors according to the most recent 50th Space Wing Installation Defense Plan.

#### **8.1.7. Annual Security Education & Awareness Training (SEAT)**

Contractor will participate in annual SEAT, and ad hoc security training as determined by MDA/IC security officials. Contractor will complete host base and MDA specific training requirements and pass all tests to maintain unescorted access to base and MDA areas.

#### **8.1.8. Annual Security Self-Assessments and External Agency Assessments**

Contractor will participate in annual security self-assessments and external agency assessments and exercises involving the adherence to physical security and force protection policies.

#### **8.1.9. Invited Contractor or Technical Representative Status Republic of Korea (4 June 2007) as required by USFK Reg 700-19, 28 August 2012**

Invited Contractor (IC) and Technical Representative (TR) status shall be governed by the U.S.-ROK Status of Forces Agreement (SOFA) as implemented by United States Forces Korea (USFK) Reg 700-19, which can be found under the "publications" tab on the US Forces Korea homepage <http://www.usfk.mil>

(a) Definitions. As used in this clause—

"U.S. – ROK Status of Forces Agreement" (SOFA) means the Mutual Defense Treaty between the Republic of Korea and the U.S. of America, Regarding Facilities and Areas and the Status of U.S. Armed Forces in the Republic of Korea, as amended

"Combatant Commander" means the commander of a unified or specified combatant command established in accordance with 10 U.S.C. 161. In Korea, the Combatant Commander is the Commander, United States Pacific Command.

"United States Forces Korea" (USFK) means the subordinate unified command through which US forces would be sent to the Combined Forces Command fighting components.

"Commander, United States Forces Korea" (COMUSK) means the commander of all U.S. forces present in Korea. In the Republic of Korea, COMUSK also serves as Commander, Combined Forces Command (CDR CFC) and Commander, United Nations Command (CDR UNC).

"USFK, Assistant Chief of Staff, Acquisition Management" (USFK/FKAQ) means the principal staff office to USFK for all acquisition matters and administrator of the U.S.-ROK SOFA as applied to US and Third Country contractors under the Invited Contractor (IC) and Technical Representative (TR) Program (USFK Reg 700-19).

"Responsible Officer (RO)" means a senior DOD employee (such as a military E5 and above or civilian GS-7 and above), appointed by the USFK Sponsoring Agency (SA), who is directly responsible for determining and administering appropriate logistics support for IC/TRs during contract performance in the ROK.

(b) IC or TR status under the SOFA is subject to the written approval of USFK, Assistant Chief of Staff, Acquisition Management (FKAQ), Unit #15237, APO AP 96205-5237.

(c) The contracting officer will coordinate with HQ USFK/FKAQ, IAW FAR 25.8, and USFK Reg 700-19. FKAQ will determine the appropriate contractor status under the SOFA and notify the contracting officer of that determination.

(d) Subject to the above determination, the contractor, including its employees and lawful dependents, may be accorded such privileges and exemptions under conditions and limitations as specified in the SOFA and USFK Reg 700-19. These privileges and exemptions may be furnished during the performance period of the contract, subject to their availability and continued SOFA status. Logistics support privileges are provided on an as-available basis to properly authorized individuals. Some logistics support may be issued as Government Furnished Property or transferred on a reimbursable basis.

(e) The contractor warrants and shall ensure that collectively, and individually, its officials and employees performing under this contract will not perform any contract, service, or other business activity in the ROK, except under U.S. Government contracts and that performance is IAW the SOFA.

(f) The contractor's direct employment of any Korean-National labor for performance of this contract shall be governed by ROK labor law and USFK regulation(s) pertaining to the direct employment and personnel administration of Korean National personnel.

(g) The authorities of the ROK have the right to exercise jurisdiction over invited contractors and technical representatives, including contractor officials, employees and their dependents, for offenses committed in the ROK and punishable by the laws of the ROK. In recognition of the role of such persons in the defense of the ROK, they will be subject to the provisions of Article XXII, SOFA, related Agreed Minutes and Understandings. In those cases in which the authorities of the ROK decide not to exercise jurisdiction, they shall notify the U.S. military authorities as soon as possible. Upon such notification, the military authorities will have the right to exercise jurisdiction as is conferred by the laws of the U.S.

(h) Invited contractors and technical representatives agree to cooperate fully with the USFK Sponsoring Agency (SA) and Responsible Officer (RO) on all matters pertaining to logistics support and theater training requirements. Contractors will provide the assigned SA prompt and accurate reports of changes in employee status as required by USFK Reg 700-19.

(i) Theater Specific Training. Training Requirements for IC/TR personnel shall be conducted in accordance with USFK Reg 350-2 Theater Specific Required Training for all Arriving Personnel and Units Assigned to, Rotating to, or in Temporary Duty Status to USFK. IC/TR personnel shall comply with requirements of USFK Reg 350-2.

(j) Except for contractor air crews flying Air Mobility Command missions, all U.S. contractors performing work on USAF classified contracts will report to the nearest Security Forces Information Security Section for the geographical area where the contract is to be performed to receive information concerning local security requirements.

(k) Invited Contractor and Technical Representative status may be withdrawn by USFK/FKAQ upon:

(1) Completion or termination of the contract.

(2) Determination that the contractor or its employees are engaged in business activities in the ROK other than those pertaining to U.S. armed forces.

(3) Determination that the contractor or its employees are engaged in practices in contravention to Korean law or USFK regulations.

(l) It is agreed that the withdrawal of invited contractor or technical representative status, or the withdrawal of, or failure to provide any of the privileges associated therewith by the U.S. and USFK, shall not constitute grounds for excusable delay by the contractor in the performance of the contract and will not justify or excuse the contractor defaulting in the performance of this contract. Furthermore, it is agreed that withdrawal of SOFA status for reasons outlined in USFK Reg 700-19, Section II, paragraph 6 shall not serve as a basis for the contractor filing any claims against the U.S. or USFK. Under no circumstance shall the withdrawal of SOFA Status or privileges be considered or construed as a breach of contract by the U.S. Government.

(m) Support.

(1) Unless the terms and conditions of this contract place the responsibility with another party, the COMUSK will develop a security plan to provide protection, through military means, of Contractor personnel engaged in the theater of operations when sufficient or legitimate civilian authority does not exist.

(2) (i) All Contractor personnel engaged in the theater of operations are authorized resuscitative care, stabilization, hospitalization at level III military treatment facilities, and assistance with patient movement in emergencies where loss of life, limb, or eyesight could occur. Hospitalization will be limited to stabilization and short-term medical treatment with an emphasis on return to duty or placement in the patient movement system.

(ii) When the Government provides medical or emergency dental treatment or transportation of Contractor personnel to a selected civilian facility, the Contractor shall ensure that the Government is reimbursed for any costs associated with such treatment or transportation.

(iii) Medical or dental care beyond this standard is not authorized unless specified elsewhere in this contract.

(3) Unless specified elsewhere in this contract, the Contractor is responsible for all other support required for its personnel engaged in the theater of operations under this contract.

(n) Compliance with laws and regulations. The Contractor shall comply with, and shall ensure that its personnel supporting U.S Armed Forces in the Republic of Korea as specified in paragraph (b)(1) of this clause are familiar with and comply with, all applicable—

(1) United States, host country, and third country national laws;

(2) Treaties and international agreements;

(3) United States regulations, directives, instructions, policies, and procedures; and

(4) Orders, directives, and instructions issued by the COMUSK relating to force protection, security, health, safety, or relations and interaction with local nationals. Included in this list are force protection advisories, health advisories, area (i.e. "off-limits"), prostitution and human trafficking and curfew restrictions.

(o) Vehicle or equipment licenses. IAW USFK Regulation 190-1, Contractor personnel shall possess the required licenses to operate all vehicles or equipment necessary to perform the contract in the theater of operations. All contractor employees/dependents must have either a Korean driver's license or a valid international driver's license to legally drive on Korean roads, and must have a USFK driver's license to legally drive on USFK installations. Contractor employees/dependents will first obtain a Korean driver's license or a valid international driver's license then obtain a USFK driver's license.

(p) Evacuation.

(1) If the COMUSK orders a non-mandatory or mandatory evacuation of some or all personnel, the Government will provide assistance, to the extent available, to United States and third country national contractor personnel.

(2) Non-combatant Evacuation Operations (NEO).

(i) The contractor shall designate a representative to provide contractor personnel and dependents information to the servicing NEO warden as required by direction of the Responsible Officer.

(ii) If contract period of performance in the Republic of Korea is greater than six months, non-emergency essential contractor personnel and all IC/TR dependents shall participate in at least one USFK sponsored NEO exercise per year.

(q) Next of kin notification and personnel recovery.

(1) The Contractor shall be responsible for notification of the employee-designated next of kin in the event an employee dies, requires evacuation due to an injury, or is missing, captured, or abducted.

(2) In the case of missing, captured, or abducted contractor personnel, the Government will assist in personnel recovery actions in accordance with DOD Directive 2310.2, Personnel Recovery.

(3) IC/TR personnel shall accomplish Personnel Recovery/Survival, Evasion, Resistance and Escape (PR/SERE) training in accordance with USFK Reg 525-40, Personnel Recovery Procedures and USFK Reg 350-2 Theater Specific Required Training for all Arriving Personnel and Units Assigned to, Rotating to, or in Temporary Duty Status to USFK.

(r) Mortuary affairs. Mortuary affairs for contractor personnel who die while providing support in the theater of operations to U.S. Armed Forces will be handled in accordance with DOD Directive 1300.22, Mortuary Affairs Policy and Army Regulation 638-2, Care and Disposition of Remains and Disposition of Personal Effects.

(s) USFK Responsible Officer (RO). The USFK appointed RO will ensure all IC/TR personnel complete all applicable training as outlined in this clause.

#### **8.1.10. United States Forces Korea (USFK) Wartime Clause**

(The following USFK Wartime Clause applies ONLY when traveling within the jurisdiction of the USFK. When performing overseas for efforts in other jurisdictions, the MDA Wartime Clause applies.)

CONTINUANCE OF PERFORMANCE DURING ANY STATE OF EMERGENCY IN THE REPUBLIC OF KOREA (ROK) as required by USFK REG 700-19, 28 August 2012

Invited Contractor (IC) and Technical Representative (TR) status shall be governed by the U.S.-ROK Status of Forces Agreement (SOFA) as implemented by United States Forces Korea (USFK) Reg 700-19, which can be found under the "publications" tab on the US Forces Korea homepage <http://www.usfk.mil>

(a) Definitions. As used in this clause—

"U.S. – ROK Status of Forces Agreement" (SOFA) means the Mutual Defense Treaty between the Republic of Korea and the U.S. of America, Regarding Facilities and Areas and the Status of U.S. Armed Forces in the Republic of Korea, as amended

"Combatant Commander" means the commander of a unified or specified combatant command established in accordance with 10 U.S.C. 161. In Korea, the Combatant Commander is the Commander, United States Pacific Command.

"United States Forces Korea" (USFK) means the subordinate unified command through which US forces would be sent to the Combined Forces Command fighting components.

COMUSK means the commander of all U.S. forces present in Korea. In the Republic of Korea, COMUSK also serves as Commander, Combined Forces Command (CDR CFC) and Commander, United Nations Command (CDR UNC).

"USFK, Assistant Chief of Staff, Acquisition Management" (USFK/FKAQ) means the principal staff office to USFK for all acquisition matters and administrator of the U.S.-ROK SOFA as applied to US and Third Country contractors under the Invited Contractor (IC) and Technical Representative (TR) Program (USFK Reg 700-19).

"Responsible Officer" (RO) means A senior DOD employee (such as a military E5 and above or civilian GS-7 and above), appointed by the USFK Sponsoring Agency (SA), who is directly responsible for determining and administering appropriate logistics support for IC/TRs during contract performance in the ROK.

"Theater of operations" means an area defined by the combatant commander for the conduct or support of specified operations.

"Uniform Code of Military Justice" means 10 U.S.C. Chapter 47

(b) General.

(1) This clause applies when contractor personnel deploy with or otherwise provide support in the theater of operations (specifically, the Korean Theater of Operations) to U.S. military forces deployed/located outside the United States in—

- (i) Contingency operations;
- (ii) Humanitarian or peacekeeping operations; or
- (iii) Other military operations or exercises designated by the Combatant Commander.

(2) Contract performance in support of U.S. military forces may require work in dangerous or austere conditions. The Contractor accepts the risks associated with required contract performance in such operations. The contractor will require all its employees to acknowledge in writing that they understand the danger, stress, physical hardships and field living conditions that are possible if the employee deploys in support of military operations.

(3) Contractor personnel are not combatants and shall not undertake any role that would jeopardize their status. Contractor personnel shall not use force or otherwise directly participate in acts likely to cause actual harm to enemy armed forces.

(c) Support.

(1) Unless the terms and conditions of this contract place the responsibility with another party, the COMUSK will develop a security plan to provide protection, through military means, of Contractor personnel engaged in the theater of operations when sufficient or legitimate civilian authority does not exist.

(2) (i) All Contractor personnel engaged in the theater of operations are authorized resuscitative care, stabilization, hospitalization at level III military treatment facilities, and assistance with patient movement in emergencies where loss of life, limb, or eyesight could occur. Hospitalization will be limited to stabilization and short-term medical treatment with an emphasis on return to duty or placement in the patient movement system.

(ii) When the Government provides medical treatment or transportation of Contractor personnel to a selected civilian facility, the Contractor shall ensure that the Government is reimbursed for any costs associated with such treatment or transportation.

(iii) Medical or dental care beyond this standard is not authorized unless specified elsewhere in this contract.

(3) Unless specified elsewhere in this contract, the Contractor is responsible for all other support required for its personnel engaged in the theater of operations under this contract.

(d) Compliance with laws and regulations. The Contractor shall comply with, and shall ensure that its personnel supporting U.S Armed Forces in the Republic of Korea as specified in paragraph (b)(1) of this clause are familiar with and comply with, all applicable—

(1) United States, host country, and third country national laws;

(i) The Military Extraterritorial Jurisdiction Act may apply to contractor personnel if contractor personnel commit crimes outside the United States.

(ii) Under the War Crimes Act, United States citizens (including contractor personnel) who commit war crimes may be subject to federal criminal jurisdiction.

(iii) When Congress formally declares war, contractor personnel authorized to accompany the force may be subject to the Uniform Code of Military Justice.

(2) Treaties and international agreements;

(3) United States regulations, directives, instructions, policies, and procedures; and

(4) Orders, directives, and instructions issued by the COMUSK relating to force protection, security, health, safety, or relations and interaction with local nationals. Included in this list are force protection advisories, health advisories, area (i.e. "off-limits"), prostitution and human trafficking and curfew restrictions.

(e) Pre-deployment/departure requirements. The Contractor shall ensure that the following requirements are met prior to deploying/locating personnel in support of U.S. military forces in the Republic of Korea. Specific requirements for each category may be specified in the statement of work or elsewhere in the contract.

(1) All required security and background checks are complete and acceptable.

(2) All contractor personnel meet the minimum medical screening requirements and have received all required immunizations as specified in the contract. In the Republic of Korea, all contractor employees subject to this clause shall comply with the same DoD immunization requirements applicable to Emergency Essential DoD civilians—

INCLUDING ANTHRAX IMMUNIZATION. The Government will provide, at no cost to the Contractor, any Korean theater-specific immunizations and/or medications not available to the general public.

(3) Contractor personnel have all necessary passports, visas, and other documents required to enter and exit a theater of operations and have a Geneva Conventions identification card from the deployment center or CONUS personnel office—if, applicable.

(4) Country and theater clearance is obtained for contractor personnel. Clearance requirements are in DOD Directive 4500.54, Official Temporary Duty Abroad, DOD 4500.54-G, DOD Foreign Clearance Guide, and USFK Reg 1-40, United States Forces Korea Travel Clearance Guide. Contractor personnel are considered non-DOD personnel traveling under DOD sponsorship.

(f) Processing and departure points. Deployed contractor personnel shall—

(1) Under contingency conditions or under other conditions as specified by the Contracting Officer, process through the deployment center designated in the contract, prior to deploying. The deployment center will conduct deployment processing to ensure visibility and accountability of contractor personnel and to ensure that all deployment requirements are met;

(2) Use the point of departure and transportation mode directed by the Contracting Officer; and

(3) If processing through a deployment center, process through a Joint Reception Center (JRC) upon arrival at the deployed location. The JRC will validate personnel accountability, ensure that specific theater of operations entrance requirements are met, and brief contractor personnel on theater-specific policies and procedures.

(g) Personnel data list.

(1) The Contractor shall establish and maintain with the designated Government official a current list of all contractor personnel that deploy with or otherwise provide support in the theater of operations to U.S. military forces as specified in paragraph (b)(1) of this clause. The Synchronized Pre-deployment and Operational Tracker (SPOT) is the designated automated system to use for this effort. This accountability requirement is separate and distinct from the personnel accountability requirement listed in the U.S–ROK SOFA's Invited Contractor/Technical Representative Program (as promulgated in USFK Regulation 700-19).

(2) The Contractor shall ensure that all employees on the list have a current DD Form 93, Record of Emergency Data Card, on file with both the Contractor and the designated Government official.

(h) Contractor personnel.

(1) The Contracting Officer may direct the Contractor, at its own expense, to remove and replace any contractor personnel who jeopardize or interfere with mission accomplishment or who fail to comply with or violate applicable requirements of this clause. Contractors shall replace designated personnel within 72 hours, or at the Contracting Officer's direction. Such action may be taken at the Government's discretion without prejudice to its rights under any other provision of this contract, including the Termination for Default clause.

(2) The Contractor shall have a plan on file showing how the Contractor would replace employees who are unavailable for deployment or who need to be replaced during deployment. The Contractor shall keep this plan current and shall provide a copy to the Contracting Officer and USFK Sponsoring Agency (see USFK Reg 700-19) upon request. The plan shall—

(i) Identify all personnel who are subject to U.S. or Republic of Korea military mobilization;

(ii) Identify any exemptions thereto;

(iii) Detail how the position would be filled if the individual were mobilized; and

(iv) Identify all personnel who occupy a position that the Contracting Officer has designated as mission essential.

(i) Military clothing and protective equipment.

(1) Contractor personnel supporting a force deployed outside the United States as specified in paragraph (b)(1) of this clause are prohibited from wearing military clothing unless specifically authorized in writing by the COMUSK. If authorized to wear military clothing, contractor personnel must wear distinctive patches, arm bands, nametags, or headgear, in order to be distinguishable from military personnel, consistent with force protection measures and the Geneva Conventions.

(2) Contractor personnel may wear military-unique organizational clothing and individual equipment (OCIE) required for safety and security, such as ballistic, nuclear, biological, or chemical protective clothing.

(3) The deployment center, the Combatant Commander, or the Sponsoring Agency shall issue OCIE and shall provide training, if necessary, to ensure the safety and security of contractor personnel.

(4) The Contractor shall ensure that all issued OCIE is returned to the point of issue, unless otherwise directed by the Contracting Officer.

(j) Weapons.

(1) If the Contractor requests that its personnel performing in the theater of operations be authorized to carry weapons, the request shall be made through the Contracting Officer to the COMUSK. The COMUSK will determine whether to authorize in-theater contractor personnel to carry weapons and what weapons will be allowed.

(2) The Contractor shall ensure that its personnel who are authorized to carry weapons—

(i) Are adequately trained;

(ii) Are not barred from possession of a firearm by 18 U.S.C. 922; and

(iii) Adhere to all guidance and orders issued by the COMUSK regarding possession, use, safety, and accountability of weapons and ammunition.

(iv) The use of deadly force by persons subject to this clause shall be made only in self-defense, except:

(v) Persons subject to this clause who primarily provide private security are authorized to use deadly force only as defined in the terms and conditions of this contract in accordance with USFK regulations and policies (especially, USFK Regulation 190-50).

(vi) Liability for the use of any weapon by persons subject to this clause is solely the responsibility of the individual person and the contractor.

(3) Upon redeployment or revocation by the COMUSK of the Contractor's authorization to issue firearms, the Contractor shall ensure that all Government-issued weapons and unexpended ammunition are returned as directed by the Contracting Officer.

(k) Evacuation.

(1) In the event of a non-mandatory evacuation order, unless authorized in writing by the Contracting Officer, the Contractor shall maintain personnel on location sufficient to meet obligations under this contract.

(l) Theater Specific Training. Training Requirements for IC/TR personnel shall be conducted in accordance with USFK Reg 350-2 Theater Specific Required Training for all Arriving Personnel and Units Assigned to, Rotating to, or in Temporary Duty Status to USFK.

(m) USFK Responsible Officer (RO). The USFK appointed RO will ensure all IC/TR personnel complete all applicable training as outlined in this clause.

(n) Changes. In addition to the changes otherwise authorized by the Changes clause of this contract, the Contracting Officer may, at any time, by written order identified as a change order, make changes in Government-furnished facilities, equipment, material, services, or site. Any change order issued in accordance with this paragraph shall be subject to the provisions of the Changes clause of this contract.

(o) Subcontracts. The Contractor shall incorporate the substance of this clause, including this paragraph, in all subcontracts that require subcontractor personnel to be available to deploy with or otherwise provide support in the theater of operations to U.S. military forces deployed/stationed outside the United States in—

(1) Contingency operations;

(2) Humanitarian or peacekeeping operations; or

(3) Other military operations or exercises designated by the Combatant Commander.

(p) The Contracting Officer will discern any additional GFE, GFP or logistical support necessary to facilitate the performance of the enhanced requirement or necessary for the protection of contractor personnel. These items will be furnished to the Contractor at the sole discretion of the Contracting Officer and may be provided only on a reimbursable basis.

## **8.2. Cybersecurity Risk Management**

The contractor will safeguard and protect Controlled Unclassified Information (CUI) provided by or generated for the Government (other than public information) that transits or resides on any non-Government IT system. Information will be protected from unauthorized access, disclosure, incident or compromise by extending the safeguarding requirements and procedures in DFARS clause 252.204-7012, Safeguarding of Unclassified Controlled Technical Information. National Institute of Standards and Technology (NIST) 800-53 security controls specified in 252.204-7012 will be extended to include CUI information which resides on, or transits through the contractor's (prime and all sub-contractors) unclassified IT systems. IT personnel will possess appropriate position of trust certifications (e.g. ADP IT I-III and resultant implied certifications) per Department of Defense (DoD) and MDA policy.

## **8.3. Data Rights**

The contractor will comply with government data rights IAW the Defense Federal Acquisition Regulations Supplement (DFARS), as identified below in the Performance Work Statement (PWS) and incorporated in the contract:

### **8.3.1. Delivered Data Rights**

All technical data (TD) and computer software, algorithms and related models (see DFARS 252.227-7013 and 252.227-7014) to be produced or developed under this contract will be delivered to the Government with unlimited data rights.

## **8.4. Other Contractors**

The Contractor will work with other contracts / contractors in support of MDA requirements and mission.

## 9. Applicable Documents

In addition to the directives and regulations identified in the IRES Contract 500, paragraph 8.0, the following are applicable to this Task Order:

Title	Originator	Date
MDA/IC Processes & Workflows	MDA/IC	
MDA/IC Engineering Approval Board (EAB) Charter	MDA/IC	
MDA/IC Engineering Review Board (ERB) Charter	MDA/IC	
MDA/IC Project Steering Committee (PSC) Charter	MDA/IC	

## 10. Statement of Objectives and Outcomes

This section describes Project Objectives that need to be performed and delivered by the contractor, defined in terms of the outcomes. Objectives are generally more concrete and specific descriptions of requirements or corresponding tasks. Outcomes, then, should reflect what the expected result is at the end of the project period.

To define desired outcomes, list what needs to be accomplished in order to satisfy the overall requirement or task, from a top-level perspective. Determine all the variables (what, when, where, who, quantity, quality levels, etc.) which will ensure that all unique requirements have been considered. For some requirements, you may simply be reviewing previous requirements for validity and accuracy (i.e. does what we wrote last year or five years ago still reflect our current requirement?)

The following table and corresponding subsections defines the different categories that projects may be assigned.

Workload Category	Representative Service Catalog Categorization	Workload Category Attributes
Development Engineering	Engineering Study	
Test Event Integration	Range Communication Expansion Test Event Architecture Integration Audio/Video Distribution Services	
Service Expansion	Remote Site Buildout Business Intelligence Solutions Business Process Automation Cloud Solution IT Testing Capability Complex Engineering Solution Cybersecurity Engineering	Moderate degree of complexity IT Capacity Expansion/Scaling Requires CONOPS and/or SLA modifications Changes to production environment Well known technical requirements Known technology & architecture
Project Fulfillment	Facility Communication Buildout Large scale Capacity Expansion Complex COTS Software Integration Web Service Integration/Implementation Software Engineering/Development Network Capacity Enhancements IT Asset/Capability EOL Replacement Cybersecurity Architecture Enhancements	High degree of complexity Requirements not well known or understood New technology & architecture Large scale or high user impact Large scale infrastructure buildout

### 10.1. Task Order Administration

This portion of this PWS contains structure, objectives and outcomes with respect to the administration of the Task Order. This PWS element represents the work required to administer the Task Order and the Enterprise Support of the Task Order's work and resources.

### **10.1.1. Task Order Management**

This PWS element represents the work specifically required to support the management of requirements of the overall Task order, which includes all reporting, briefings, awards, modifications, SSIs, etc.

The contractor shall provide the resources and information to communicate and manage task order performance.

#### *Outcomes:*

- Provide a single POC responsible for managing the cost, schedule, risk, and technical performance of the TO.
- Provide a single POC to serve as a liaison to the COTR or Assistant COTR (ACOTR) who is responsible for providing insight on TO performance.
- TO activities are managed in accordance with the IRES Program Management Plan (CDRL TO8002 C008).
- All TO requirements are identified, managed, validated, and verified in accordance with the contractor's IRES Systems Engineering Master Plan.

The contractor shall provide task order reporting to accurately monitor status in accordance with CDRL and Milestone requirements.

#### *Outcomes:*

- IPMR and TO status report for the TO are delivered per CDRL requirements.
- An Integrated Baseline Review of the TO is performed within 90 days of TO award.
- TO status (e.g., technical, cost, schedule) is reported to the COTR on a monthly basis in accordance with CDRL requirements.
- TO status includes cost and schedule performance by WBS and IRES organization structure; significant accomplishments; customer concerns or issues; TO risks and mitigation status; performance against the IRES contract, SE&PI, and TO SSIs; achievements relative to the utilization goals in the contractor's Small Business Participation and Commitment Plan; quality assurance reviews, audit results, and non-conformance finding closure reports; safety information.
- TO performance trends are identified, tracked and shared with the COTR, ACOTR, and applicable government stakeholders.

### **10.1.1.2 Responsible Organization Management**

The contractor shall provide qualified personnel and manage personnel issues to perform TO activities.

#### *Outcomes:*

- The workforce is managed efficiently, mitigating workforce surge and drawdown impacts, analyzing workforce trends, and forecasting workforce needs IRES-wide.
- A trained and qualified workforce is maintained that is able to perform the functions necessary to operate, support, and sustain MDIOC facilities and systems.

The contractor shall maintain accountability of all property under its control and provide reporting to ensure government situational awareness of property status.

*Outcomes:*

- The contractor shall submit a Material Inspection and Receiving Report as required by DFARS 252.246-7000 for the delivery of all CAP classified as Equipment, Special Test Equipment, and Special Tooling by using the Invoicing, Receipt, Acceptance, and Property Transfer (iRAPT) application in the Wide Area Workflow (WAWF) e-Business Suite in accordance with the instructions provided in the CLIN 7991.

10.1.1.3 Administrative Support

The contractor shall provide resources to manage the contractual requirements, and provide financial oversight and performance tracking for the task order.

*Outcomes:*

- Task Order financial management activities ensure that task order reporting, and accurately reflect the current state of TO financial performance and status.
- TO contractual deliverables are provided within the agreed to schedule, in the correct formats and to a high level of quality.

**10.1.2. Enterprise Task Order Support**

This PWS element represents the work of enterprise support to the Task Order's work and resources.

10.1.2.1 Enterprise Management

The contractor shall provide the resources and data to enable enterprise management of this task order for human resources, business/finance, and JEMS in support of integration.

*Outcomes:*

- IPMR and TO status report for the TO are delivered per CDRL requirements.
- TO status (e.g., technical, cost, schedule) is reported to the COTR on a monthly basis in accordance with CDRL requirements.
- MDA customers and stakeholders have on-demand access to a TO status report dashboard.
- TO export control requirements are managed to comply with DoD and MDA requirements, including International Traffic in Arms Regulations (ITAR) (22 CFR 120-130) and Technical Assistance Agreements processes as required.
- Any individuals requiring access to Government information technology systems have completed Information Assurance Awareness training.
- Personnel performing information assurance functions on national security systems meet the Committee on National Security Systems training requirements.

10.1.2.2 Mission and Performance Assurance

The contractor shall perform System Engineering functions to ensure the products and services provided under this TO utilize established Systems Engineering practices that are standardized across the IRES contract in support of the MDA mission.

*Outcomes:*

- Deliver an Integrated Master Schedule (IMS), in accordance with Integrated Program Management Report (IPMR) requirements, using the contractor's JEMS Portal.
- The TO IMS is integrated into the contractor's IRES Integrated Schedule (IIS).
- Systems Integration requirements and capabilities gaps, lessons learned, and a common MDIOC system vision are integrated enterprise-wide.
- Critical assets are managed, to include conflict forecasting and de-confliction, across the IRES enterprise.

The contractor shall track, manage and report on TO performance measures, including metrics, lessons learned and accomplishments.

*Outcomes:*

- Based on TO performance trends, periodic audits of task estimates are performed, TO risks are tracked, and schedule accuracy is evaluated.
- All TO CDRLs are delivered on time and with accurate information.
- Customer satisfaction with the services and products delivered in this TO is solicited and tracked.
- TO performance is continuously evaluated and improved using objective performance measures.
- TO lessons learned, best practices, and accomplishments are collected and shared with the COTR, ACOTR, other government stakeholders, and IRES workforce.

The contractor shall incorporate Mission Assurance activities into all TO tasks in support of the MDA mission.

*Outcomes:*

- TO asset configurations are managed in accordance with the IRES Configuration Management Plan (CDRL TO8002 C022).
- TO risks are managed in accordance with the IRES Risk Management Plan (CDRL TO8002 C021).
- The quality of TO activities is assured in accordance with the Quality Assurance Program Plan (CDRL TO8002 C020).
- TO supplies are purchased in accordance with the IRES Supply Chain Risk Management Plan, including the development of a supply chain map and authorized suppliers list for critical systems.

The contractor shall provide information security, physical security, export control and cybersecurity training and processes in accordance with federal, DoD and agency requirements to safeguard the conduct of the MDA mission through the IRES contract.

*Outcomes:*

- MDA-identified Critical Program Information (CPI) and Critical Technologies (CT) are protected to the standards required in DoDI 5200.39

- TO cybersecurity risks are managed in accordance with the Cybersecurity Risk Management Plan (CDRL TO8002 C016).
- All Controlled Unclassified Information is protected from unauthorized access, disclosure, incident, or compromise.
- All contractor-managed TO systems maintain System Authorization in accordance with DoDI 8510.01, Risk Management Framework.
- Cybersecurity requirements and considerations are integrated into TO systems engineering, design, and risk management processes.
- All contractor-managed TO systems are operated in accordance with cybersecurity requirements.
- Security administration is provided to comply with applicable DoD, MDA, and local security directives, policies, procedures, and instructions for physical security and for the safeguarding of BMDS controlled and classified information, to include proper document marking, classification, storage, accountability, transmittal, and destruction.

#### 10.1.2.3 Functional Management and Administrative Support

The contractor shall provide a functional management oversight structure to lead, manage and assign resources within their organization.

*Outcomes:*

(b)(4)



The contractor shall provide functional administrative and management support as required to communicate and deliver enterprise integration.

*Outcomes:*

(b)(4)



#### 10.1.3. Task Order Award and Modification

The contractor shall provide the resources and data to provide timely and accurate proposals to government requirements for proposal and other contract modification actions.

## 10.2. Development Engineering

The contractor will establish a pool of resources (scope and value) to support MDA IT Service and EITS requests for design engineering support required to research, prototype or pilot transformational, converging, or disruptive technologies providing increase of functional capability/capacity to the Enterprise. This supports the development of white papers, engineering studies, AoA, Architecture and/or Design development with BOM/ROM to support discrete task implementation.

Projects are listed in table 10.1 below with a full description of the requirement in PWS attachment B.

Outcomes: The project will:

Outcome	Description
1	Provide update reference architectures.
2	Identify reductions in life-cycle costs through the use of alternatives in system configurations that utilize current technology components and adapt common equipment to multiple requirements and applications; implementation of new approaches to system development and support, such as specifications, standards, and processes, using techniques such as process base-lining, modeling, and simulation; and management and process improvement techniques, process re-engineering, automation, configuration management, and quality assurance.
3	Provide enhanced performance, accuracy, reliability, maintainability, deployability, survivability, and supportability of IT systems, subsystems, and equipment (including support equipment).
4	Provide increased system operational life through the evaluation and insertion of new technology into existing infrastructure components including their support systems and the modernization of existing support, maintenance, and repair processes.
5	Provide architecture, engineering artifacts, implementation strategy/concept, labor and material estimate.

Discrete Development Engineering Projects will appear in the Task Order PWS/PWS at 10.2.1...N and 1.2.1...N respectively.

## 10.3. Test Event Integration

The contractor will establish a pool of resources (scope and value) to support MDA 2-Letter event support requests provided through Kinetic Service Requests (KSRs) and approved through the Baseline or Project Steering Committee. Projects in this pool are limited to establishment or expansion of existing services or support to include associated labor, hardware, software and related ODCs (ODCs) to existing MDA sites or locations. Each project in this pool will be detailed, agreed to, executed, and completed, through technical tasking derived from the BSC/PSC briefing and request.

Projects are listed in table 10.1 below with a full description of the requirement in PWS attachment B. Outcomes: The project will:

Outcome	Description
1	Operate in the context of the System Engineering Management Plan (SEMP) and established governance processes reflected through standardized engineering artifacts and an integrated systems engineering approach to design efforts to meet technical requirements.

Outcome	Description
2	Comply with reference architectures (or deviations are identified and documented), and government processes (Governance, Compliance, Service Expansion, Fulfillment, etc...).
3	Transition to O&M (sustainment) with project closure and customer acceptance documentation ensuring project requirements are met. Projects transitioned to O&M with known errors will be documented with plans to correct. CDRL C005: Engineering Documentation (assume 25 annually)
4	Contain release plans that identify projected service outages, integrate with EITS sustainment processes, deconflict with MDA Test Event schedules, and provide complete customer communication strategy.
5	Provide timely and accurate project reporting through the implementation and execution of an online (e.g., digital dashboard) project portfolio status demonstrating individual project cost, schedule, performance to ensure the continuous delivery of situational awareness for all IRES managed projects.
6	Establish/capture data required to accurately allocate assets and sustainment costs to the customer and be incorporated into the Chargeback/Showback model.
7	Enhance performance, accuracy, reliability, maintainability, deployability, survivability, and supportability of IT systems, subsystems, and equipment (including support equipment).
8	Be presented to the government, prioritized, and executed to meet performance, schedule, and cost criteria.

Discrete Test Event Projects will appear in the Task Order PWS/PWS at 10.3.1...N and 1.3.1...N respectively.

#### 10.4. Service Expansion

The contractor will establish a pool of resources (scope and value) to support MDA IT Service requests provided through KSRs and approved through the Baseline or Project Steering Committee. Projects in this pool support establishment, expansion and extension of IT services to existing or new sites/locations to include associated labor, hardware, software and related ODCs. Each project in this pool will be detailed, agreed to, executed, and completed, through technical tasking derived from the BSC/PSC briefing and request.

Projects are listed in table 10.1 below with a full description of the requirement in PWS attachment B.

Outcomes: The project will:

Outcome	Description
1	Operate in the context of the System Engineering Management Plan (SEMP) and established governance processes reflected through standardized engineering artifacts and an integrated systems engineering approach to design efforts to meet technical requirements.
2	Comply with reference architectures (or deviations are identified and documented), and government processes (Governance, Compliance, Service Expansion, Fulfillment, etc...).
3	Transition to O&M (sustainment) with project closure and customer acceptance documentation ensuring project requirements are met. Projects transitioned to O&M with known errors will be documented with plans to correct. CDRL C005: Engineering Documentation (assume 40 annually)

Outcome	Description
4	Contain release plans that identify projected service outages, integrate with EITS sustainment processes, deconflict with MDA Test Event schedules, and provide complete customer communication strategy..
5	Provide timely and accurate project reporting through the implementation and execution of an online (e.g., digital dashboard) project portfolio status demonstrating individual project cost, schedule, performance to ensure the continuous delivery of situational awareness for all IRES managed projects.
6	Establish/capture data required to accurately allocate assets and sustainment costs to the customer and be incorporated into the Chargeback/Showback model.
7	Enhance performance, accuracy, reliability, maintainability, deployability, survivability, and supportability of IT systems, subsystems, and equipment (including support equipment).
8	Be presented to the government, prioritized, and executed to meet performance, schedule, and cost criteria.

Discrete Service Expansion Projects will appear in the Task Order PWS/PWS at 10.4.1...N and 1.4.1...N respectively.

### 10.5. Project Fulfillment

Based on the PSC briefing, recommendation and the draft Activity/Milestone documents, the contractor will individually propose projects. These projects are large in nature and exceed support or enhancement identified in 10.2 and 10.3.

Projects are listed in table 10.1 below with a full description of the requirement in PWS attachment A.

Outcomes: The project will:

Outcome	Description
1	Operate in the context of the System Engineering Management Plan (SEMP) and established governance processes reflected through standardized engineering artifacts and an integrated systems engineering approach to design efforts to meet technical requirements.
2	Comply with reference architectures (or deviations are identified and documented), and government processes (Governance, Compliance, Service Expansion, Fulfillment, etc...).
3	Transition to O&M (sustainment) with project closure and customer acceptance documentation ensuring project requirements are met. Projects transitioned to O&M with known errors will be documented with plans to correct. CDRL C005: Engineering Documentation (assume 10 annually)
4	Contain release plans that identify projected service outages, integrate with EITS sustainment processes, deconflict with MDA Test Event schedules, and provide complete customer communication strategy.
5	Provide timely and accurate project reporting through the implementation and execution of an online (e.g., digital dashboard) project portfolio status demonstrating individual project cost, schedule, performance to ensure the continuous delivery of situational awareness for all IRES managed projects.
6	Establish/capture data required to accurately allocate assets and sustainment costs to the customer and be incorporated into the Chargeback/Showback model.

Outcome	Description
7	Enhance performance, accuracy, reliability, maintainability, deployability, survivability, and supportability of IT systems, subsystems, and equipment (including support equipment).
8	Reductions in life-cycle costs through the use of alternatives in system configurations that utilize current technology components and adapt common equipment to multiple requirements and applications; implementation of new approaches to system development and support, such as specifications, standards, and processes, using techniques such as process base-lining, modeling, and simulation; and management and process improvement techniques, process re-engineering, automation, configuration management, and quality assurance.
9	Increased system operational life through the evaluation and insertion of new technology into existing infrastructure components including their support systems and the modernization of existing support, maintenance, and repair processes.
10	Service Pipeline requirements analysis and technical requirements derivation resulting in the design of systems or processes to resolve specific problems or issues and the continuous, real-time monitoring of IT service health and automated IT event management systems.
11	Be presented to the government, prioritized, and executed to meet performance, schedule, and cost criteria.

Discrete Project Fulfillment Projects will appear in the Task Order PWS/PWS at 10.5.1...N and 1.5.1...N respectively.

Table 10.1

MST #	Title	ATP Date	CLIN Series
10.2.01			
10.2.02			
10.2.03			
10.3.01			
10.3.02			
10.3.03			
10.4.01			
10.4.02			
10.4.03			
10.5.01			
10.5.02			
10.5.03			

## Attachment A to 19F8700 PWS:

### **Task 10.5.006 Windows Server Migration from 2008 to 2016**

Project Champion: Mike Keltner

REQ #: KSR000000251469

Background: MDA utilizes the Microsoft Server Operating System (OS) as its baseline to provide IT services to the enterprise on the ULAN and CLAN network environments. The MDA currently has both version 2008 and 2012 implemented throughout the enterprise. Microsoft Server 2008 R2 SP1 will reach the end of extended support in January 2020. MDA has numerous servers with version 2008 in production throughout the environment. Because the operating system is the core from which all other applications and services are hosted, the upgrade of the operating system is a complex task with many dependencies and will require coordination with multiple software vendors. In February 2017 DISA released the STIG for Server 2016 paving the way for the required upgrade.

Tasking: The contractor shall migrate MDA Core Unclassified servers to Microsoft Server OS version 2016, where possible, and establish the framework for future migration of the MDA Core Classified servers and Class/Unclass member servers. The contractor shall review the existing architecture, recommend any changes to the architecture, develop a detailed upgrade path and initiate migration to a supported and stable version of the Microsoft Server 2016 operating system. All servers should be upgraded to a supported version prior to January 2019 to avoid increased support costs to the MDA.

#### Goals:

- 1) Migrate ULAN core servers - 28 Physical; 255 Virtual (DCs, DNS, DHCP...)
- 2) Establish a list of servers and applications that will be affected for both the Classified and Unclassified networks.
- 3) Validate compatibility of applications and services with MDA 2 Letter offices
- 4) Establish a working group of application owners to minimize or eliminate any service disruptions
- 5) Identify all servers to be migrated or where possible decommissioned and conduct weekly team meetings with the PC on current status and progress made
- 6) Identify virtual resource allocations and possible migration opportunities to be performed in conjunction with ITIL test environments

#### 10.5.006.1 Project Management

The contractor shall provide project management oversight. The contractor shall perform liaison and communication activities with Project Champion and project stakeholders (including customer, Architecture and Engineering). The contractor shall be responsible for the delivery and quality control of all required project documentation in support of service architecture, engineering and design. The contractor shall provide the products listed below:

Project Management		
Product	Product Type	% Complete
Project Plan	Document	100%
Financial Reports	Report	100%
Variance (schedule and cost)	Report	100%
Briefings	Slide Package	100%
Candidate Risks	Slide Package	100%
Weekly Activity Report	Document	100%
Monthly Project Review	Slide Package	100%
Meeting Minutes and Action Items	Document	100%
Project Closeout Documents	Document	100%

#### 10.5.006.2 Requirements

The contractor shall capture the requirements (clearly delineating classification requirements) along with applicable Federal and DoD directives. The contractor shall present the requirements package during the Architecture/Engineering ERB/EAB meetings for approval. The contractor shall provide the products listed below:

Requirements Package		
Product	Product Type	% Complete
Requirements Traceability Matrix (RTM)	Document	40%
Requirements Slide Package	Slide Package	100%

#### 10.5.006.3 Architecture [RESERVED]

#### 10.5.006.4 Preliminary Design [RESERVED]

#### 10.5.006.5 Detail Design [RESERVED]

The contractor shall establish the Detailed Design based on the approved EAB PDR while being compliant with DoD and MDA standards. The contractor shall present the Detailed Design to the EAB Detailed Design Review (DDR) for government and customer approval. The contractor shall provide the products listed below:

Detailed Design Package		
Product	Product Type	% Complete
SvcV-1 Update	Diagram	100%
SV-1 Update	Diagram	100%
Rack Elevation Drawing	Diagram	100%
Facility Layout Drawing	Diagram	100%
CONOPS Update	Document	75%
RTM Update	Document	90%
BOM/ROM Update	Document	100%

<b>Detailed Design Package</b>		
Product	Product Type	% Complete
Detailed Design	Slide Package	100%
DRCOOP / Backup Plan	Slide Package	100%
Implementation Plan	Slide Package	100%
Implementation Test Plan	Slide Package	75%
Risk Register Update	Slide Package	100%
Vendor Maintenance	Slide Package	100%
Monitoring Trap and Polling	Slide Package	100%

#### 10.5.006.6 IAM/IAO IA Assessment, Reviews and Documentation

The contractor shall initiate the Information Assurance Assessment, coordinate the RMF package and deliver the RMF package to IAM/IAO.

<b>Information Assurance</b>		
Product	Product Type	% Complete
RMF/DIACAP	Document	100%

#### 10.5.006.7 Procurement

Contractor shall propose IT equipment, software licenses, warranty, vendor support, travel, ODC and labor, a subsequent or additional RFP is not planned. Contractor is authorized to procure upon task award, based on the negotiated cost proposal.

#### 10.5.006.8 Implementation Readiness

The contractor shall establish the Implementation Engineering details for each site. The contractor shall present the Implementation Engineering details to the ERB/EAB Implementation Readiness Review (IRR) for government (and customer) approval. The contractor shall provide the products listed below:

<b>Implementation Readiness Package</b>		
Product	Product Type	% Complete
SvcV-1 Update	Diagram	100%
SV-1 Update	Diagram	100%
Rack Elevation Drawing	Diagram	100%
Facility Layout Drawing	Diagram	100%
CONOPS Update	Document	75%
RTM Update	Document	90%
BOM/ROM Update	Document	100%
Detailed Design	Slide Package	100%
DRCOOP / Backup Plan	Slide Package	100%
Implementation Plan	Slide Package	100%
Implementation Test Plan	Slide Package	100%

<b>Implementation Readiness Package</b>		
Product	Product Type	% Complete
Risk Register Update	Slide Package	100%
Vendor Maintenance	Slide Package	100%
Monitoring Trap and Polling	Slide Package	100%
Change Management Documentation (CRQ/DDIP)	Document	75%
Responsibility Assignment Matrix (RACI Matrix)	Document	100%
ICD Updates (Draft)	Document	25%
Customer / User Communications Plan	Slide Package	25%
User/O&M Training Plan	Slide Package	100%
Implementation Test Plan - Update	Slide Package	100%

#### 10.5.006.9 Facility Modification [RESERVED]

#### 10.5.006.10 IT Installation

The contractor shall install in compliance with the Configuration Management processes, IRR and the RMF/DIACAP documentation and validate operational acceptability through testing. The contractor shall provide the products listed below:

<b>IT Installation</b>		
Product	Product Type	% Complete
Change Management Documentation (CRQ/DDIP)	Document	100%
Update ICD with as-built documentation	Document	100%
Test Results	Document	100%
RTM (Complete)	Document	100%

#### 10.5.006.11 O&M Standard Operating Instructions/Procedures (SOI/P)

The contractor shall develop RBA crew SOI/P and Operational Level Agreements (OLAs), and ensure the O&M crew members are trained and in-place to support the execution. The contractor shall establish and exercise the crew related SOI/Ps and OLAs. The contractor shall provide the products listed below:

<b>O&amp;M Standard Operating Instructions/Procedures (SOI/P)</b>		
Product	Product Type	% Complete
Standard Operating Instructions/Procedures (SOI/P)	Document	100%

#### 10.5.006.12 Operational Readiness [RESERVED]

#### 10.5.006.13 Transition to O&M

Upon successful completion of the SOI/P, OLA exercises and installation testing, the project will transition to RBA crews for operations and maintenance.

#### 10.5.006.14 Milestones

<u>Milestone</u>	<u>Schedule</u>
Procurement	256 DAC
DDR/IRR	116 DAC
Installation (OCD)	302 DAC
Transition to O&M	273 DA Installation
Project Closeout	15 DA Transition to O&M

#### 10.5.006 IRES Proposed Milestones (Phase I)

<u>Milestone</u>	<u>Schedule</u>
Requirements	30 DAC
Preliminary Design	60 DA Requirements

##### 10.5.006.15 Project Close

During project close, there is a hand off between the Project Manager and the Service Owner to place the new product or service into a Product/Service Lifecycle. The project close element is relevant to completing the Project Lifecycle.

Closeout Documents		
Product	Product Type	% Complete
Configuration Management Baseline	Document	100%
Procurement Close	Document	100%
Lessons Learned	Document	100%
Final Report	Document	100%

#### Task 10.5.008: Server Tech Refresh

Project Champion: Mike Keltner

REQ #: Server Tech Refresh

Background: Server hardware across the ULAN/CLAN/UDMZ/CDMZ/Zone A and B environments is reaching hardware obsolescence. These servers are critical to sustainment of MDA operations and must be addressed. The office of the MDA CIO must ensure the required server hardware remains current with supported industry hardware platforms and technology in order to provide secure and sustainable IT services and to maintain cost effective vendor support agreements. The scope of the refresh will include the physical hardware required to support a refresh of the virtual host servers utilized to support the Classified and Unclassified virtual environment.

Tasking: The contractor shall identify and refresh the top 25% of ULAN/CLAN server hardware based on EoL/EoS. The contractor shall present the implementation plan to the government prior to any server hardware replacements.

#### 10.5.008.1 Project Management

The contractor shall provide project management oversight. The contractor shall perform liaison and communication activities with Project Champion and project stakeholders (including customer, Architecture and Engineering). The contractor shall be responsible for the delivery and quality control of all required project documentation in support of service architecture, engineering and design. The contractor shall provide the products listed below:

Project Management		
Product	Product Type	% Complete
Project Plan	Document	100%
Financial Reports	Report	100%
Variance (schedule and cost)	Report	100%
Briefings	Slide Package	100%
Candidate Risks	Slide Package	100%
Weekly Activity Report	Document	100%
Monthly Project Review	Slide Package	100%
Meeting Minutes and Action Items	Document	100%
Project Closeout Documents	Document	100%

#### 10.5.008.2 Requirements

As required to support the Implementation presentation, the contractor shall develop the RTM.

Requirements Package		
Product	Product Type	% Complete
Requirements Traceability Matrix (RTM)	Document	40%

#### 10.5.008.3 Architecture [RESERVED]

#### 10.5.008.4 Preliminary Design [RESERVED]

#### 10.5.008.5 Detail Design [RESERVED]

#### 10.5.008.6 IAM/IAO IA Assessment, Reviews and Documentation

The contractor shall initiate the Information Assurance Assessment, coordinate the RMF package and deliver the RMF package to IAM/IAO.

Information Assurance		
Product	Product Type	% Complete
RMF/DIACAP	Document	100%

#### 10.5.008.7 Procurement

Contractor shall propose IT equipment, software licenses, warranty, vendor support, travel, ODC and labor, a subsequent or additional RFP is not planned. Contractor is authorized to procure upon task award, based on the negotiated cost proposal.

#### 10.5.008.8 Implementation Readiness

The contractor shall establish the Implementation Engineering details and present to the ERB/EAB for government (and customer) approval. The contractor shall provide the products listed below:

Implementation Readiness Package		
Product	Product Type	% Complete
Change Management Documentation (CRQ/DDIP)	Document	75%
Responsibility Assignment Matrix (RACI Matrix)	Document	100%
ICD Updates (Draft)	Document	25%
Customer / User Communications Plan	Slide Package	25%
User/O&M Training Plan	Slide Package	100%
Implementation Test Plan - Update	Slide Package	100%

#### 10.5.008.9 Facility Modification [RESERVED]

#### 10.5.008.10 IT Installation

The contractor shall install in compliance with the Configuration Management processes and the RMF/DIACAP documentation and validate operational acceptability through testing. The contractor shall provide the products listed below:

IT Installation		
Product	Product Type	% Complete
Change Management Documentation (CRQ/DDIP)	Document	100%
Update ICD with as-built documentation	Document	100%
Test Results	Document	100%
RTM (Complete)	Document	100%

#### 10.5.008.11 O&M Standard Operating Instructions/Procedures (SOI/P) [RESERVED]

#### 10.5.008.12 Operational Readiness [RESERVED]

#### 10.5.008.13 Transition to O&M

Upon successful completion of installation testing, the servers will transition to RBA crews for operations and maintenance.

#### 10.5.008.14 Milestones

<u>Milestone</u>	<u>Schedule</u>
Procurement	171 DAC
DDR/IRR	81 DAC
Installation (OCD)	119 DA DDR/IRR 200 DAC
Project Closeout	46 DA Installation

#### **10.5.008 IRES Proposed Milestones (Phase I)**

<u>Milestone</u>	<u>Schedule</u>
Requirements	30 DAC
Preliminary Design	60 DA Requirements

##### **10.5.008.15 Project Close**

During project close, there is a hand off between the Project Manager and the Service Owner to place the new product or service into a Product/Service Lifecycle. The project close element is relevant to completing the Project Lifecycle.

<b>Closeout Documents</b>		
<b>Product</b>	<b>Product Type</b>	<b>% Complete</b>
Configuration Management Baseline	Document	100%
Procurement Close	Document	100%
Lessons Learned	Document	100%
Final Report	Document	100%

#### **Task 10.5.010 Linux Migration [2 Itr] [Rev B]**

Project Champion: Jeremy Abbott

Background: MDA IC has increased the count of RHEL/Unix servers to over 250 in the enterprise. Version 6.x EoL has been announced for November 2020. Version 7.x is a major change from the 6.x platform. In addition, version 6.x doesn't support native two-factor authentication whereas version 7.X does which is a DoD requirement for information systems.

Tasking: The contractor shall identify the current Linux systems within the enterprise and migrate those systems from version 6.x to 7.x. The contractor shall develop a plan to migrate the enterprise Linux systems from version 6.x to 7.x to include the vendor defined service life of version 7.x. The contractor shall present to the government any systems that cannot be upgraded due to application compatibility issues as well as provide a path forward to migrate those systems in the future. The contractor shall implement two-factor authentication on all enterprise systems utilizing the native two-factor functionality of version 7.x. The contractor shall update documentation as

required. The contractor shall make use of existing hardware and software before conducting any procurements.

#### 10.5.010.1 Project Management

The contractor shall provide project management oversight. The contractor shall perform liaison and communication activities with Project Champion and project stakeholders (including customer, Architecture and Engineering). The contractor shall be responsible for the delivery and quality control of all required project documentation in support of service architecture, engineering and design. The contractor shall provide the products listed below:

Project Management		
Product	Product Type	% Complete
Project Plan	Document	100%
Financial Reports	Report	100%
Variance (schedule and cost)	Report	100%
Briefings	Slide Package	100%
Candidate Risks	Slide Package	100%
Weekly Activity Report	Document	100%
Monthly Project Review	Slide Package	100%
Meeting Minutes and Action Items	Document	100%
Project Closeout Documents	Document	100%

#### 10.5.010.2 Requirements

Requirements Package		
Product	Product Type	% Complete
Requirements Traceability Matrix (RTM)	Document	40%
Requirements Slide Package	Slide Package	100%

#### 10.5.010.3 Architecture [RESERVED]

#### 10.5.010.4 Preliminary Design [RESERVED]

#### 10.5.010.5 Detail Design [RESERVED]

#### 10.5.010.6 IAM/IAO IA Assessment, Reviews and Documentation

The contractor shall initiate the Information Assurance Assessment, based on the PDR information; coordinate the assessment feedback with the Detailed Design Review; coordinate the RMF package approval in conjunction with the construction of the Implementation Readiness Plan/Review; and deliver the RMF package to IAM/IAO.

Information Assurance		
Product	Product Type	% Complete

RMF/DIACAP	Document	100%
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#### 10.5.010.7 Procurement

Contractor shall propose IT equipment, software licenses, warranty, vendor support, travel, ODC and labor, a subsequent or additional RFP is not planned. Contractor is authorized to procure upon task award, based on the negotiated cost proposal.

#### 10.5.010.8 Implementation Readiness

The contractor shall establish the Implementation Engineering details for each site. The contractor shall present the Implementation Engineering details to the ERB/EAB Implementation Readiness Review (IRR) for government (and customer) approval. The contractor shall provide the products listed below:

Implementation Readiness Package		
Product	Product Type	% Complete
SvcV-1 Update	Diagram	100%
SV-1 Update	Diagram	100%
Rack Elevation Drawing	Diagram	100%
Facility Layout Drawing	Diagram	100%
CONOPS Update	Document	75%
RTM Update	Document	90%
BOM/ROM Update	Document	100%
Detailed Design	Slide Package	100%
DRCOOP / Backup Plan	Slide Package	100%
Implementation Plan	Slide Package	100%
Implementation Test Plan	Slide Package	75%
Risk Register Update	Slide Package	100%
Vendor Maintenance	Slide Package	100%
Monitoring Trap and Polling	Slide Package	100%
Change Management Documentation (CRQ/DDIP)	Document	75%
Responsibility Assignment Matrix (RACI Matrix)	Document	100%
ICD Updates (Draft)	Document	25%
Customer / User Communications Plan	Slide Package	25%
User/O&M Training Plan	Slide Package	100%
Implementation Test Plan - Update	Slide Package	100%

#### 10.5.010.9 Facility Modification [RESERVED]

#### 10.5.010.10 IT Installation

The contractor shall install in compliance with the Configuration Management processes, IRR and the RMF/DIACAP documentation and validate operational acceptability through testing. The contractor shall provide the products listed below:

IT Installation		
Product	Product Type	% Complete
Change Management Documentation (CRQ/DDIP)	Document	100%
Update ICD with as-built documentation	Document	100%
Test Results	Document	100%
RTM (Complete)	Document	100%

#### 10.5.010.11 O&M Standard Operating Instructions/Procedures (SOI/P)

The contractor shall develop RBA crew SOI/P and Operational Level Agreements (OLAs), and ensure the O&M crew members are trained and in-place to support the execution. The contractor shall establish and exercise the crew related SOI/Ps and OLAs. The contractor shall provide the products listed below:

O&M Standard Operating Instructions/Procedures (SOI/P)		
Product	Product Type	% Complete
Standard Operating Instructions/Procedures (SOI/P)	Document	100%

#### 10.5.010.12 Operational Readiness

The ORR shall demonstrate and ensure effective service transition to the customer and minimize disruption to the MDA workforce. The contractor shall provide the products listed below:

Operational Readiness Package		
Product	Product Type	% Complete
CONOPS (Completed)	Document	100%
Customer/User Communications Plan (Completed)	Slide Package	100%

#### 10.5.010.13 Transition to O&M

Upon successful completion of the SOI/P, OLA exercises and installation testing, the project will transition to RBA crews for operations and maintenance.

#### 10.5.010.14 Milestones

<u>Implement</u>	<u>Schedule</u>
Procurement	213 DAC
DDR/IRR	123 DAC
Installation (OCD)	101 DA DDR/IRR
Transition to O&M	141 DA Installation
Project Complete	17 DA Project Complete

<u>Plan</u>	<u>Schedule</u>
Requirements	30 DAC
Non-Migrated/Future Migration Plan	120 DA Requirements

#### 10.5.010 IRES Proposed Milestones (Phase I)

<u>Milestone</u>	<u>Schedule</u>
Requirements	30 DAC
Preliminary Design	60 DA Requirements

##### 10.5.010.15 Project Close

During project close, there is a hand off between the Project Manager and the Service Owner to place the new product or service into a Product/Service Lifecycle. The project close element is relevant to completing the Project Lifecycle.

Closeout Documents		
Product	Product Type	% Complete
Configuration Management Baseline	Document	100%
Procurement Close	Document	100%
Lessons Learned	Document	100%
Final Report	Document	100%

<b>ORDER FOR SUPPLIES OR SERVICES</b>										PAGE 1 OF 16			
1. CONTRACT/PURCH. ORDER/AGREEMENT NO. HQ079617D0001			2. DELIVERY ORDER/CALL NO. HQ079619F9400P00004		3. DATE OF ORDER/CALL (YYYYMMDD) 2019 Jan 31		4. REQ. PURCH. REQUEST NO. See Schedule		5. PRIORITY  DX-C9				
6. ISSUED BY MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300			CODE HQ0796		7. ADMINISTERED BY (if other than 6) DCMA HUNTSVILLE 1040 RESEARCH BLVD SUITE 100 MADISON AL 35758-2040			CODE S0107A		8. DELIVERY FOB <input checked="" type="checkbox"/> DESTINATION <input type="checkbox"/> OTHER  (See Schedule if other)			
9. CONTRACTOR JACOBS TECHNOLOGY INC. 550 WILLIAM NORTHERN BLVD. TULLAHOMA TN 37388-4727			CODE 7EBK3		FACILITY		10. DELIVER TO FOR POINT BY (Date) (YYYYMMDD) <b>SEE SCHEDULE</b>		11. MARK IF BUSINESS IS <input type="checkbox"/> SMALL <input type="checkbox"/> SMALL DISADVANTAGED <input type="checkbox"/> WOMEN OWNED				
NAME AND ADDRESS							12. DISCOUNT TERMS		13. MAIL INVOICES TO THE ADDRESS IN BLOCK See Item 15				
14. SHIP TO MISSILE DEFENSE AGENCY (MDA) (b)(6) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300			CODE HQ0796		15. PAYMENT WILL BE MADE BY FAS COLUMBUS CENTER SOUTH ENTITLEMENT OPERATIONS P. O. BOX 182264 COLUMBUS OH 43218-2264			CODE HQ0336		MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2.			
16. TYPE OF ORDER		DELIVERY/CALL		<input checked="" type="checkbox"/> X		This delivery order/call is issued on another Government agency or in accordance with and subject to terms and conditions of above numbered contract.							
		PURCHASE				Reference your quote dated Furnish the following on terms specified herein, REF:							
ACCEPTANCE. THE CONTRACTOR HEREBY ACCEPTS THE OFFER REPRESENTED BY THE NUMBERED PURCHASE ORDER AS IT MAY PREVIOUSLY HAVE BEEN OR IS NOW MODIFIED, SUBJECT TO ALL OF THE TERMS AND CONDITIONS SET FORTH, AND AGREES TO PERFORM THE SAME.													
NAME OF CONTRACTOR				SIGNATURE				TYPED NAME AND TITLE				DATE SIGNED (YYYYMMDD)	
<input checked="" type="checkbox"/> If this box is marked, supplier must sign Acceptance and return the following number of copies: 1													
17. ACCOUNTING AND APPROPRIATION DATA/ LOCAL USE  See Schedule													
18. ITEM NO.		19. SCHEDULE OF SUPPLIES/ SERVICES				20. QUANTITY ORDERED/ ACCEPTED*		21. UNIT		22. UNIT PRICE		23. AMOUNT	
		SEE SCHEDULE											
* If quantity accepted by the Government is same as quantity ordered, indicate by X. If different, enter actual quantity accepted below quantity ordered and encircle.						24. UNITED STATES OF AMERICA TELEPHONE (b)(6) E-MAIL (b)(6)@a.mil		25. TOTAL \$49,888,015.00 EST		26. DIFFERENCES			
27a. QUANTITY IN COLUMN 20 HAS BEEN <input type="checkbox"/> INSPECTED <input type="checkbox"/> RECEIVED <input type="checkbox"/> ACCEPTED, AND CONFORMS TO THE CONTRACT EXCEPT AS NOTED													
b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE						c. DATE (YYYYMMDD)		d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE					
e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE						28. SHIP NO.		29. DO VOUCHER NO.		30. INITIALS			
f. TELEPHONE NUMBER				g. E-MAIL ADDRESS				<input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL		32. PAID BY		33. AMOUNT VERIFIED CORRECT FOR	
36. I certify this account is correct and proper for payment.						31. PAYMENT <input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL				34. CHECK NUMBER		35. BILL OF LADING NO.	
a. DATE (YYYYMMDD)		b. SIGNATURE AND TITLE OF CERTIFYING OFFICER											
37. RECEIVED AT		38. RECEIVED BY		39. DATE RECEIVED (YYYYMMDD)		40. TOTAL CONTAINERS		41. S/R ACCOUNT NO.		42. S/R VOUCHER NO.			

Section B - Supplies or Services and Prices

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1000	(b)(4)				(b)(4)
	Services/Capabilities				
	CPIF				
	The contractor shall provide all services/capabilities identified in the performance work statement (PWS) attached to this task order. All task order costs, other than those specifically included in another contract line item number (CLIN), are included in this CLIN.				
	All share ratios are identified as follows: Government/Contractor. The share ratios are subject to revision in accordance with the IRES Performance Evaluation and Incentive Plan (Contract Attachment J-06).				
	FOB: Destination				
	PURCHASE REQUEST NUMBER: HQ0147866216				
				TARGET COST	(b)(4)
				TARGET FEE	
				TOTAL TGT COST + FEE	
				MINIMUM FEE	
				MAXIMUM FEE	
				SHARE RATIO ABOVE TARGET	
				SHARE RATIO BELOW TARGET	

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100001	Funding	
	ACRNAA	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147866216	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100002	IF	
	ACRN AB	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147968827	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100003	IF	
	ACRN AD	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147969367	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100004	Incremental Funding	
	ACRN AII	(b)(4)
	PURCHASE REQUEST NUMBER: DJAMI9A203	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1040		(b)(4)			(b)(4)

Expensed CAP: IT HW/Equip  
CPIF

Contractor purchase of expensed contractor-acquired property (CAP), specifically information technology (IT) hardware (HW)/equipment (equip), necessary to provide the services/capabilities identified in the PWS attached to this task order. CAP is defined in FAR 52.245-1. IT hardware/equipment is a subset of equipment as defined in DoDI 5000.64.

Expensed CAP line items were created as an accounting mechanism designed to provide MDA better visibility and linkage of budget, obligation, expenditure, and government property data. Given the need for this level of visibility and linkage, as well as the need to include these costs as an integral component of the incentives, all task order CLINs are combined and considered a single entity for the purpose of administering the cost and performance incentives identified in the IRES PEIP (Contract Attachment J-06).

All share ratios are identified as follows: Government/Contractor. The share ratios are subject to revision in accordance with the IRES PEIP.

NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.

FOB: Destination

PURCHASE REQUEST NUMBER: HQ01 47866216

TARGET COST  
TARGET FEE  
TOTAL TGT COST + FEE  
MINIMUM FEE  
MAXIMUM FEE  
SHARE RATIO ABOVE TARGET  
SHARE RATIO BELOW TARGET

(b)(4)

FSC CD: 7025

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104001		

Incremental funding

ACRN AE

PURCHASE REQUEST NUMBER: HQ0147969367

(b)(4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
104002	Incremental Funding	
	ACRN AG	(b) (4)
	PURCHASE REQUEST NUMBER: HQ01 47968827	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1060	Expensed CAP: COTS IUS CPIF Contractor purchase of expensed contractor-acquired property (CAP), specifically commercial-off-the-shelf (COTS) internal use software (IUS), necessary to provide the services/capabilities identified in the PWS attached to this task order. CAP is defined in FAR 52.245-1. COTS IUS is a subset of IUS as defined in DoDI 5000.76.  Expensed CAP line items were created as an accounting mechanism designed to provide MDA better visibility and linkage of budget, obligation, expenditure, and government property data. Given the need for this level of visibility and linkage, as well as the need to include these costs as an integral component of the incentives, all task order CLINs are combined and considered a single entity for the purpose of administering the cost and performance incentives identified in the IRES PEIP (Contract Attachment J-06).  All share ratios are identified as follows: Government/Contractor. The share ratios are subject to revision in accordance with the IRES PEIP.  NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent. FOB: Destination PURCHASE REQUEST NUMBER: HQ01 4786621 6	(b) (4)			(b) (4)

TARGET COST  
 TARGET FEE  
 TOTAL TGT COST + FEE  
 MINIMUM FEE  
 MAXIMUM FEE  
 SHARE RATIO ABOVE TARGET  
 SHARE RATIO BELOW TARGET

(b) (4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
106001	IF	
	ACRNAE	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147969367	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1500	FMS Services/Capabilities FFP FMS Case #: JA-I-UAB Line 001	(b)(4)			(b)(4)
	The contractor shall provide all services/capabilities identified in section 10.29, 10.30, and 10.31 of the performance work statement (PWS) attached to this task order. All task order costs, other than those specifically included in another contract line item number (CLIN), are included in this CLIN.				
	FOB: Destination PURCHASE REQUEST NUMBER: HQ0147866216				

NET AMT

(b)(4)

FSC CD: AC23

ITEM NO	ACRN	FUNDED AMOUNT
150001	ACRN AC	\$394,543.00

PURCHASE REQUEST NUMBER: HQ0147969023

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1700		(b)(4)			(b)(4)

O&M Services/Capabilities  
CPIF

The contractor shall provide all services/capabilities identified in performance work statement (PWS) paragraphs 10.47, 10.48, 10.49 and 10.50 attached to this task order. All task order costs, other than those specifically included in another contract line item number (CLIN), are included in this CLIN.

All share ratios are identified as follows: Government/Contractor. The share ratios are subject to revision in accordance with the IRES Performance Evaluation and Incentive Plan (Contract Attachment J-06).

FOB: Destination

PURCHASE REQUEST NUMBER: HQ0147866216

TARGET COST  
TARGET FEE  
TOTAL TGT COST + FEE  
MINIMUM FEE  
MAXIMUM FEE  
SHARE RATIO ABOVE TARGET  
SHARE RATIO BELOW TARGET

(b)(4)

FSC CD: D316

ITEM NO	SUPPLIES/SERVICES	AMOUNT
170001	IF	

ACRN AF

(b)(4)

PURCHASE REQUEST NUMBER: MIPRI1307418

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1701		(b)(4)			(b)(4)

O&M Services/Capabilities  
 CPIF

The contractor shall provide all services/capabilities identified in performance work statement (PWS) paragraphs 10.47, 10.48, 10.49 and 10.50 attached to this task order. All task order costs, other than those specifically included in another contract line item number (CLIN), are included in this CLIN.

All share ratios are identified as follows: Government/Contractor. The share ratios are subject to revision in accordance with the IRES Performance Evaluation and Incentive Plan (Contract Attachment J-06).

FOB: Destination

PURCHASE REQUEST NUMBER: HQ01 47866216

TARGET COST  
 TARGET FEE  
 TOTAL TGT COST + FEE  
 MINIMUM FEE  
 MAXIMUM FEE  
 SHARE RATIO ABOVE TARGET  
 SHARE RATIO BELOW TARGET

(b)(4)

FSC CD: D316

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
7990		1	Lot		NSP

Data  
FFP

The contractor shall deliver all data identified in the contract data requirements lists (CDRL) attached to this task order.

Reference Section G of the basic contract. At the end of the task order period of performance, the contractor shall submit one Invoicing, Receipt, Acceptance, and Property Transfer (iRAPT) receiving report for all data previously delivered.

NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.

FOB: Destination

PURCHASE REQUEST NUMBER: HQ0147866216

---

NET AMT

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
7991		10	Lot		NSP

Expensed CAP Delivery  
FFP

Delivery of expensed CAP as required by the IRES Government Property Management Task Order.

NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.

FOB: Destination

PURCHASE REQUEST NUMBER: HQ0147866216

---

NET AMT

FSC CD: AC23

Section E - Inspection and Acceptance

INSPECTION AND ACCEPTANCE TERMS

Supplies/services will be inspected/accepted at:

CLIN	INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
1000	Destination	Government	Destination	Government
100001	N/A	N/A	N/A	N/A
100002	N/A	N/A	N/A	N/A
100003	N/A	N/A	N/A	N/A
100004	N/A	N/A	N/A	N/A
1040	Destination	Government	Destination	Government
104001	N/A	N/A	N/A	N/A
104002	N/A	N/A	N/A	N/A
1060	Destination	Government	Destination	Government
106001	N/A	N/A	N/A	N/A
1500	Destination	Government	Destination	Government
150001	N/A	N/A	N/A	N/A
1700	Destination	Government	Destination	Government
170001	N/A	N/A	N/A	N/A
1701	Destination	Government	Destination	Government
7990	Destination	Government	Destination	Government
7991	Destination	Government	Destination	Government

Section F - Deliveries or Performance

DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	DODAAC / CAGE
1000	POP 01-FEB-2019 TO 31-JAN-2021	N/A	MISSILE DEFENSE AGENCY (MDA) (b)(6) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 (b)(6) FOB: Destination	HQ0796
100001	N/A	N/A	N/A	N/A
100002	N/A	N/A	N/A	N/A
100003	N/A	N/A	N/A	N/A
100004	N/A	N/A	N/A	N/A
1040	31-JAN-2021	200	MISSILE DEFENSE AGENCY (MDA) (b)(6) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 (b)(6) FOB: Destination	HQ0796
104001	N/A	N/A	N/A	N/A
104002	N/A	N/A	N/A	N/A
1060	31-JAN-2021	200	MISSILE DEFENSE AGENCY (MDA) (b)(6) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 (b)(6) FOB: Destination	HQ0796
106001	N/A	N/A	N/A	N/A

1500	POP 01-FEB-2019 TO 30-SEP-2019	N/A	MISSILE DEFENSE AGENCY (MDA) (b)(6) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 (b)(6) FOB: Destination	HQ0796
150001	N/A	N/A	N/A	N/A
1700	POP 01-FEB-2019 TO 31-JAN-2021	N/A	MISSILE DEFENSE AGENCY (MDA) (b)(6) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 (b)(6) FOB: Destination	HQ0796
170001	N/A	N/A	N/A	N/A
1701	POP 01-FEB-2019 TO 31-JAN-2021	N/A	MISSILE DEFENSE AGENCY (MDA) (b)(6) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 (b)(6) FOB: Destination	HQ0796
7990	POP 01-FEB-2019 TO 31-JAN-2021	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796
7991	POP 01-FEB-2019 TO 31-JAN-2021	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796

Section G - Contract Administration Data

ACCOUNTING AND APPROPRIATION DATA

AA: 044411 097 0400 000 N 20182019 D 2520 XK_ST03P_FY18	DT-X2-FY1819	71DT	255
AMOUNT: (b)(4)			
AB: 044411 097 0400 000 N 20192020 D 2500 XK_ST03P_FY19	DT-X2-FY1920	71DT	255
AMOUNT: (b)(4)			
AC: 044411 097 011 8242 000 N D JAOI JAIUAB_001	743_CTR	71MH	255
AMOUNT: (b)(4)			
AD: 044411 097 0400 000 N 20192020 D 2500 YF_SC04P_FY19	DT-IACCU-FY1920	71DT	255
AMOUNT: (b)(4)			
AE: 044411 097 0400 000 N 20192020 D 2500 YF_SC04P_FY19	DT-IACCU-FY1920	71DT	310
AMOUNT: (b)(4)			
AF: 0212019 2019 2020 000 A94DD 142213JDT 251J 1130741 8 S.0005033.19.03 021001			
AMOUNT: (b)(4)			
AG: 044411 097 0400 000 N 20192020 D 2500XK_ST03P_FY19	DT-X2-FY1920	71DT	310
AMOUNT: (b)(4)			
AH: 09719 0400 1212 4882 P9008 253C 9JDG97 012195 DJAM19A203			
AMOUNT: (b)(4)			

ACRN	CLIN/SLIN	CIN	AMOUNT
AA	100001	HQ0147866216000101	(b)(4)
AB	100002	HQ01479688270001	
AC	150001	HQ01479690230001	
AD	100003	HQ01479693670001	
AE	104001	HQ01479693670002	
	106001	HQ01479693670003	
AF	170001	M1PR1 130741 80001	
AG	104002	HQ01479688270002	
AH	100004	DJAM19A2030001	

CLAUSES INCORPORATED BY REFERENCE

52.232-22	Limitation Of Funds	APR 1984
252.232-7003	Electronic Submission of Payment Requests and Receiving Reports	DEC 2018
252.232-7006	Wide Area WorkFlow Payment Instructions	DEC 2018

LIMITATION OF FUNDS

LIMITATION OF FUNDS

Pursuant to the "Limitation of Funds" clause (FAR 52.232-22). The total sum presently available for payment by the Government and allotted each contract line item is:

CLIN	Funding	Fee	Total Funding	Estimate Run Out Date
------	---------	-----	---------------	-----------------------

1000  
1040  
1060  
1500  
1700  
1701

(b)(4)

29 September 2019  
1 February 2020  
1 February 2020  
30 September 2019  
30 January 2020

The contractor shall invoice all CLINs in accordance with DFAR 252.232-7006, Wide Area Workflow Payment Instructions (DEC 2018).

PRICED PROSPECTIVE WORK PACKAG

PRICED PROSPECTIVE WORK PACKAGE

Priced Prospective Work Packages (PPWPs) represent potential requirements included in this PWS that are priced and negotiated but not yet awarded. The PPWP may be awarded/executed in accordance with clause II-03, Task Orders at a later date with a bilateral modification to the task order if/when the requirement is ultimately needed and funded. The PPWPs negotiated to date are included in Attachment 2 to the Task Order. The below referenced PPWPs have been executed:

See Attachment 2

Section I - Contract Clauses

CLAUSES INCORPORATED BY REFERENCE

252.211-7003 Item Unique Identification and Valuation

MAR 2016

BILLING INSTRUCTIONS

Payments for CLINs 1000, 1040, and 1060 will be made in accordance with FAR 52.216-7, Allowable Cost and Payment. Payments and the fee payable under the task order are subject to adjustments in accordance with FAR 52.216.10, Incentive Fee, and performance assessments conducted in accordance with the IRES Performance Evaluation and Incentive Plan (Attachment J-06).

In accordance with FAR 52.216-10(c)(1), the Contractor is authorized to bill fee by contract line item number (CLIN) not to exceed the following: [REDACTED] x (cost billed against the CLIN to date, including this voucher).

Overbilling of fee as a result of this change in the billing instructions shall not be refunded to the Government, unless the overbilling cannot be corrected any other way. Instead, fee shall not be billed until the contractor is no longer in an overbilling status. The Contractor shall show the fee calculation by line item on each voucher.

All task order CPIF CLINs are combined and considered a single entity for the purpose of administering the cost and performance incentives identified in the IRES PEIP (Contract Attachment J-06).

WAWF email notifications. In accordance with 252.232-7006, the Contractor shall enter the following email addresses in the "Send Additional Email Notifications" field of WAWF once a document is submitted in the system:

CLIN 7990 [REDACTED]

CLIN 7991 [REDACTED]

Section J - List of Documents, Exhibits and Other Attachments

Exhibit/Attachment Table of Contents

DOCUMENT TYPE	DESCRIPTION	PAGES	DATE
Attachment 1	PWS Rev A	50	05-MAR-2019
Attachment 2	Attachment 02 PPWP Table	6	05-MAR-2019

**Missile Defense Agency**  
**Integrated Research & Development for Enterprise Solutions (IRES)**

**PERFORMANCE WORK STATEMENT**

**Contract Number:**  
**HQ0796-17-D-0001**

**Task Order Title:**  
**BMDS Exercises and Wargames**

**Task Order Number:**  
**HQ0796-19-F-9400**

**Period of Performance:**  
**1 February 2019 – 31 January 2021**

**Task Order Type:**  
**CPIF**

**FOR OFFICIAL USE ONLY**

## Performance Work Statement Revision History

Rev	Mod	Date	Revision / Change Description
0			Task Order Award PWS
A	P00004	05 March 2019	Incorporate Event Activity Matrix Rev A

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## **1.0 Purpose**

- Provide successful BMD Exercise and Wargame Support to United States (U.S.) Combatant Commands (CCMDs), Components, Sub-Unified Commands and Friends and Allies.
- Maximize BMDS operational realism and minimize negative warfighter training using advanced, high-fidelity Live, Virtual and Constructive (LVC) Modeling and Simulation (M&S) and Hardware-In-The-Loop (HWIL) architectures.
- Improve BMDS development and interoperability through exercises.
- Provide Cyber Security, Operations, Sustainment and Maintenance for the Wargames and Exercises Support Center (WESC).

## **2.0 Background**

MDA/DTW supports both research, development, testing, and evaluation (RDT&E) BMD Exercises and Combatant Command (CCMD) BMD Exercises, as part of MDA's responsibility as the acquisition agency for the Ballistic Missile Defense System (BMDS) to comply with the doctrine, organization, training, materiel, leadership and education, personnel and facilities (DOTMLPF) development process. RDT&E BMD Exercises are required to analyze and answer BMDS developer questions posed by the MDA System Engineer, BMDS Operational Test Agency (OTA), BMDS Element Program Offices (PO), Warfighters and Friends and Allies in order to examine current and future capabilities matched against current and future threats. CCMD BMD Wargames and Exercises are required to facilitate the CCMD's integration, refinement, evaluation and acceptance of U.S. and Allied BMD deployed systems that influence Concepts of Operations (CONOPs), Tactics, Techniques and Procedures (TTPs), Command and Control (C2) relationships and assist in identifying operational and technical interoperability and integration issues early in the materiel development process.

## **3.0 Scope**

BMDS Exercises. Implement MDA's and MDA/DTW's goals and objectives by providing the following BMD Exercise activities: planning; engineering, integration, and test (EI&T); execution; and after action reporting for Tier 1 (CCMD level), Tier 2 (Sub-Unified Command level), Tier 3 (Component level) BMDS Exercises, and Tier 4 (Unit/Element level) BMDS Exercises.

BMDS Wargames. Perform the planning, designing, engineering, integrating, and execution of BMDS Wargames and Demonstrations that not only keep pace with the BMDS continual state of evolution, but allow the Warfighter to look to the future and assess the needs and desires of the Combatant Commanders, as they participate in MDA's fielding efforts through Wargames and Demonstrations (tabletops and experiments). Wargames examine future capabilities; facilitate the development and refinement of CONOPS, TTPs, and command and control (C2) relationships; and assist the developer and Warfighter in identifying issues early in the materiel development process.

#### 4.0 Service Summary Items

In accordance with the IRES Performance Evaluation and Incentive Plan, Service Summary Items (SSIs) 1 through 4 are common [required] on all task orders and will be assessed at the contract level (i.e., all task orders will receive the same rating).

SSIs 5 – 8 identified below will be assessed at the task order level.

SSI Definition	
Name	(b)(4)
Identifier	
Weight	
Definition	
Measurable Concept	
Baseline Measure	
Technical Performance Measures	
Notes	

<b>SSI Definition</b>				
<b>Name</b>		(b)(4)		
<b>Identifier</b>				
<b>Weight</b>				
<b>Definition</b>				
<b>Measurable Concept</b>				
<b>Baseline Measure</b>				
<b>Technical Performance Measures</b>				
<b>Notes</b>				
	<b>Score</b>	<b>Admin</b>	<b>Substantive</b>	<b>Critical</b>
(b)(4)				

SSI Definition	
Name	(b)(4)
Identifier	
Weight	
Definition	
Measurable Concept	
Baseline Measure	(b)(4)
Technical Performance Measures	
Notes	

SSI Definition	
Name	(b)(4)
Identifier	
Weight	
Definition	
Measurable Concept	
Baseline Measure	
Technical Performance Measures	
Notes	

SSI Definition	
Name	(b)(4)
Identifier	
Weight	
Definition	
Measurable Concept	
Baseline Measure	
Technical Performance Measures	
Notes	

## 5.0 Contract Data Requirements List (CDRL)

The point of delivery for all Contract Data Requirements List (CDRL) products, except as noted in Exhibit C, is the MDA E-CaRT system. The Contractor shall deliver all such products by saving and profiling them in E-CaRT, with the appropriate notification of delivery letter transmitted electronically to the Government's Data Management Office.

Task	CDRL	DID	Title	Description
10.1	C001	DI-MGMT-81861/T	HQ0796-19-F-9400: Integrated Program Management Report	Contains data for measuring cost and schedule performance. The IPMR is structured around seven formats that contain the content and relationships required for the electronic submissions.
10.1	C002	DI-MISC-80508B/T	HQ0796-19-F-9400: Task Order Status Report, [month ending]	Provides significant accomplishments, issues, concerns, lessons learned, and risks associated with the task order.
10.2.3.2	C003	DI-MISC-80508B	HQ0796-19-F-9400: Operational Support Documents: Technology Refresh Plan	Takes into account the formally documented current state of the hardware necessary to execute business functions, deliver services, and maintain the logical relationships between customers, partners, and suppliers. Primarily, this superset will contain the system architecture, the storage architecture, and the network architecture across the enterprise. Report to include the identification of licensing, maintenance

Task	CDRL	DID	Title	Description
				agreements, and renewal documentation of hardware and software assets.
10.4.3.4	C004	DI-MISC-80508B/T	HQ0796-19-F-9400: Table Top Exercise Executive Summary	Executive summary level capturing outcomes, decisions, lessons learned, and suggestions for capstone event.

## 5.1 CDRL Tailoring

The DD Form 1423 associated with each CDRL is attached in attachment C.



19F9400 Exhibit C - Signed.pdf

## 6.0 Milestones

PWS Paragraph(s)	Activity	Date / Days after Contract (DAC)
10.1.1.1	Integrated Baseline Review	90 DAC

## 7.0 Government Property (GP) / Government Furnished Property (GFP) / Government Furnished Information (GFI) / Contractor Acquired Property (CAP)

7.1 In addition to the any GP associated with IRES Contract SOO, paragraph 6.0, the following GP is applicable to this task order: Government developed Modeling and Simulation tools

7.2 In addition to the GFP identified on IRES Contract Attachment 5, the following GFP is applicable to this task order: none

7.3 The following GFI is applicable to this task order:

7.4 All CAP shall be managed under the terms and conditions associated with task order 18F8900 – Government Property Management.

## **8.0 Special Requirements**

In addition to the Special Requirements identified in IRES Contract SOO, paragraph 7.0, the following are applicable to this task order:

- This task order requires TS/SCI facilities access. This task order shall be executed in accordance with the MDA Security Classification Guidance up to the level of DoD TOP SECRET, including Special Access Required (SAR), and SECRET RELEASABLE in cases where specific Foreign Nations are allowed to participate.
- A permanent export license (DSP-5 and DSP-85) covering BMD-related task order activities is required to eliminate internal-to-MDA processing time of case-by-case, temporary International Traffic in Arms Regulation (ITAR) exemptions.

### **8.1 Invited Contractor or Technical Representative Status Republic of Korea (4 June 2007)**

Invited Contractor (IC) and Technical Representative (TR) status shall be governed by the U.S.-ROK Status of Forces Agreement (SOFA) as implemented by United States Forces Korea (USFK) Reg 700-19, which can be found under the “publications” tab on the US Forces Korea homepage <http://www.usfk.mil>

(a) Definitions. As used in this clause—

“U.S. – ROK Status of Forces Agreement” (SOFA) means the Mutual Defense Treaty between the Republic of Korea and the U.S. of America, Regarding Facilities and Areas and the Status of U.S. Armed Forces in the Republic of Korea, as amended

“Combatant Commander” means the commander of a unified or specified combatant command established in accordance with 10 U.S.C. 161. In Korea, the Combatant Commander is the Commander, United States Pacific Command.

“United States Forces Korea” (USFK) means the subordinate unified command through which US forces would be sent to the Combined Forces Command fighting components.

“Commander, United States Forces Korea” (COMUSK) means the commander of all U.S. forces present in Korea. In the Republic of Korea, COMUSK also serves as Commander, Combined Forces Command (CDR CFC) and Commander, United Nations Command (CDR UNC).

“USFK, Assistant Chief of Staff, Acquisition Management” (USFK/FKAQ) means the principal staff office to USFK for all acquisition matters and administrator of the U.S.-ROK SOFA as applied to US and Third Country contractors under the Invited Contractor (IC) and Technical Representative (TR) Program (USFK Reg 700-19).

“Responsible Officer (RO)” means a senior DOD employee (such as a military E5 and above or civilian GS-7 and above), appointed by the USFK Sponsoring Agency (SA), who is directly responsible for determining and administering appropriate logistics support for IC/TRs during contract performance in the ROK.

(b) IC or TR status under the SOFA is subject to the written approval of USFK, Assistant Chief of Staff, Acquisition Management (FKAQ), Unit #15237, APO AP 96205-5237.

(c) The contracting officer will coordinate with HQ USFK/FKAQ, IAW FAR 25.8, and USFK Reg 700-19. FKAQ will determine the appropriate contractor status under the SOFA and notify the contracting officer of that determination.

(d) Subject to the above determination, the contractor, including its employees and lawful dependents, may be accorded such privileges and exemptions under conditions and limitations as specified in the SOFA and USFK Reg 700-19. These privileges and exemptions may be furnished during the performance period of the contract, subject to their availability and continued SOFA status. Logistics support privileges are provided on an as-available basis to properly authorized individuals. Some logistics support may be issued as Government Furnished Property or transferred on a reimbursable basis.

(e) The contractor warrants and shall ensure that collectively, and individually, its officials and employees performing under this contract will not perform any contract, service, or other business activity in the ROK, except under U.S. Government contracts and that performance is IAW the SOFA.

(f) The contractor's direct employment of any Korean-National labor for performance of this contract shall be governed by ROK labor law and USFK regulation(s) pertaining to the direct employment and personnel administration of Korean National personnel.

(g) The authorities of the ROK have the right to exercise jurisdiction over invited contractors and technical representatives, including contractor officials, employees and their dependents, for offenses committed in the ROK and punishable by the laws of the ROK. In recognition of the role of such persons in the defense of the ROK, they will be subject to the provisions of Article XXII, SOFA, related Agreed Minutes and Understandings. In those cases in which the authorities of the ROK decide not to exercise jurisdiction, they shall notify the U.S. military authorities as soon as possible. Upon such notification, the military authorities will have the right to exercise jurisdiction as is conferred by the laws of the U.S.

(h) Invited contractors and technical representatives agree to cooperate fully with the USFK Sponsoring Agency (SA) and Responsible Officer (RO) on all matters pertaining to logistics support and theater training requirements. Contractors will provide the assigned SA prompt and accurate reports of changes in employee status as required by USFK Reg 700-19.

(i) Theater Specific Training. Training Requirements for IC/TR personnel shall be conducted in accordance with USFK Reg 350-2 Theater Specific Required Training for all Arriving Personnel and Units Assigned to, Rotating to, or in Temporary Duty Status to USFK. IC/TR personnel shall comply with requirements of USFK Reg 350-2.

(j) Except for contractor air crews flying Air Mobility Command missions, all U.S. contractors performing work on USAF classified contracts will report to the nearest Security Forces Information Security Section for the geographical area where the contract is to be performed to receive information concerning local security requirements.

(k) Invited Contractor and Technical Representative status may be withdrawn by USFK/FKAQ upon:

- (1) Completion or termination of the contract.
- (2) Determination that the contractor or its employees are engaged in business activities in the ROK other than those pertaining to U.S. armed forces.
- (3) Determination that the contractor or its employees are engaged in practices in contravention to Korean law or USFK regulations.

(l) It is agreed that the withdrawal of invited contractor or technical representative status, or the withdrawal of, or failure to provide any of the privileges associated therewith by the U.S. and USFK, shall not constitute grounds for excusable delay by the contractor in the performance of the contract and will not justify or excuse the contractor defaulting in the performance of this contract. Furthermore, it is agreed that withdrawal of SOFA status for reasons outlined in USFK Reg 700-19, Section II, paragraph 6 shall not serve as a basis for the contractor filing any claims against the U.S. or USFK. Under no circumstance shall the withdrawal of SOFA Status or privileges be considered or construed as a breach of contract by the U.S. Government.

(m) Support.

(1) Unless the terms and conditions of this contract place the responsibility with another party, the COMUSK will develop a security plan to provide protection, through military means, of Contractor personnel engaged in the theater of operations when sufficient or legitimate civilian authority does not exist.

(2) (i) All Contractor personnel engaged in the theater of operations are authorized resuscitative care, stabilization, hospitalization at level III military treatment facilities, and assistance with patient movement in emergencies where loss of life, limb, or eyesight could occur. Hospitalization will be limited to stabilization and short-term medical treatment with an emphasis on return to duty or placement in the patient movement system.

(ii) When the Government provides medical or emergency dental treatment or transportation of Contractor personnel to a selected civilian facility, the Contractor shall ensure that the Government is reimbursed for any costs associated with such treatment or transportation.

(iii) Medical or dental care beyond this standard is not authorized unless specified elsewhere in this contract.

(3) Unless specified elsewhere in this contract, the Contractor is responsible for all other support required for its personnel engaged in the theater of operations under this contract.

(n) Compliance with laws and regulations. The Contractor shall comply with, and shall ensure that its personnel supporting U.S Armed Forces in the Republic of Korea as specified in paragraph (b)(1) of this clause are familiar with and comply with, all applicable—

- (1) United States, host country, and third country national laws;
- (2) Treaties and international agreements;
- (3) United States regulations, directives, instructions, policies, and procedures; and
- (4) Orders, directives, and instructions issued by the COMUSK relating to force protection, security, health, safety, or relations and interaction with local nationals. Included in this list are force protection advisories, health advisories, area (i.e. “off-limits”), prostitution and human trafficking and curfew restrictions.

(o) Vehicle or equipment licenses. IAW USFK Regulation 190-1, Contractor personnel shall possess the required licenses to operate all vehicles or equipment necessary to perform the contract in the theater of operations. All contractor employees/dependents must have either a Korean driver’s license or a valid international driver’s license to legally drive on Korean roads, and must have a USFK driver’s license to legally drive on USFK installations. Contractor employees/dependents will first obtain a Korean driver’s license or a valid international driver’s license then obtain a USFK driver’s license.

(p) Evacuation.

(1) If the COMUSK orders a non-mandatory or mandatory evacuation of some or all personnel, the Government will provide assistance, to the extent available, to United States and third country national contractor personnel.

(2) Non-combatant Evacuation Operations (NEO).

(i) The contractor shall designate a representative to provide contractor personnel and dependents information to the servicing NEO warden as required by direction of the Responsible Officer.

(ii) If contract period of performance in the Republic of Korea is greater than six months, non-emergency essential contractor personnel and all IC/TR dependents shall participate in at least one USFK sponsored NEO exercise per year.

(q) Next of kin notification and personnel recovery.

(1) The Contractor shall be responsible for notification of the employee-designated next of kin in the event an employee dies, requires evacuation due to an injury, or is missing, captured, or abducted.

(2) In the case of missing, captured, or abducted contractor personnel, the Government will assist in personnel recovery actions in accordance with DOD Directive 2310.2, Personnel Recovery.

(3)IC/TR personnel shall accomplish Personnel Recovery/Survival, Evasion, Resistance and Escape (PR/SERE) training in accordance with USFK Reg 525-40, Personnel Recovery Procedures and USFK Reg 350-2 Theater Specific Required Training for all Arriving Personnel and Units Assigned to, Rotating to, or in Temporary Duty Status to USFK.

(r) Mortuary affairs. Mortuary affairs for contractor personnel who die while providing support in the theater of operations to U.S. Armed Forces will be handled in accordance with DOD Directive 1300.22, Mortuary Affairs Policy and Army Regulation 638-2, Care and Disposition of Remains and Disposition of Personal Effects.

(s) USFK Responsible Officer (RO). The USFK appointed RO will ensure all IC/TR personnel complete all applicable training as outlined in this clause.

## **8.2 United States Forces Korea (USFK) Wartime Clause**

(The following USFK Wartime Clause applies ONLY when traveling within the jurisdiction of the USFK. When performing overseas for efforts in other jurisdictions, the MDA Wartime Clause applies.)

### **CONTINUANCE OF PERFORMANCE DURING ANY STATE OF EMERGENCY IN THE REPUBLIC OF KOREA (ROK)**

Invited Contractor (IC) and Technical Representative (TR) status shall be governed by the U.S.-ROK Status of Forces Agreement (SOFA) as implemented by United States Forces Korea (USFK) Reg 700-19, which can be found under the “publications” tab on the US Forces Korea homepage <http://www.usfk.mil>

(a) Definitions. As used in this clause—

“U.S. – ROK Status of Forces Agreement” (SOFA) means the Mutual Defense Treaty between the Republic of Korea and the U.S. of America, Regarding Facilities and Areas and the Status of U.S. Armed Forces in the Republic of Korea, as amended

“Combatant Commander” means the commander of a unified or specified combatant command established in accordance with 10 U.S.C. 161. In Korea, the Combatant Commander is the Commander, United States Pacific Command.

“United States Forces Korea” (USFK) means the subordinate unified command through which US forces would be sent to the Combined Forces Command fighting components.

COMUSK means the commander of all U.S. forces present in Korea. In the Republic of Korea, COMUSK also serves as Commander, Combined Forces Command (CDR CFC) and Commander, United Nations Command (CDR UNC).

“USFK, Assistant Chief of Staff, Acquisition Management” (USFK/FKAQ) means the principal staff office to USFK for all acquisition matters and administrator of the U.S.-ROK

SOFA as applied to US and Third Country contractors under the Invited Contractor (IC) and Technical Representative (TR) Program (USFK Reg 700-19).

“Responsible Officer” (RO) means A senior DOD employee (such as a military E5 and above or civilian GS-7 and above), appointed by the USFK Sponsoring Agency (SA), who is directly responsible for determining and administering appropriate logistics support for IC/TRs during contract performance in the ROK.

“Theater of operations” means an area defined by the combatant commander for the conduct or support of specified operations.

“Uniform Code of Military Justice” means 10 U.S.C. Chapter 47

(b) General.

(1) This clause applies when contractor personnel deploy with or otherwise provide support in the theater of operations (specifically, the Korean Theater of Operations) to U.S. military forces deployed/located outside the United States in—

(i) Contingency operations;

(ii) Humanitarian or peacekeeping operations; or

(iii) Other military operations or exercises designated by the Combatant Commander.

(2) Contract performance in support of U.S. military forces may require work in dangerous or austere conditions. The Contractor accepts the risks associated with required contract performance in such operations. ☐ The contractor will require all its employees to acknowledge in writing that they understand the danger, stress, physical hardships and field living conditions that are possible if the employee deploys in support of military operations.

(3) Contractor personnel are not combatants and shall not undertake any role that would jeopardize their status. Contractor personnel shall not use force or otherwise directly participate in acts likely to cause actual harm to enemy armed forces.

(c) Support.

(1) Unless the terms and conditions of this contract place the responsibility with another party, the COMUSK will develop a security plan to provide protection, through military means, of Contractor personnel engaged in the theater of operations when sufficient or legitimate civilian authority does not exist.

(2) (i) All Contractor personnel engaged in the theater of operations are authorized resuscitative care, stabilization, hospitalization at level III military treatment facilities, and assistance with patient movement in emergencies where loss of life, limb, or eyesight could occur. Hospitalization will be limited to stabilization and short-term medical

treatment with an emphasis on return to duty or placement in the patient movement system.

(ii) When the Government provides medical treatment or transportation of Contractor personnel to a selected civilian facility, the Contractor shall ensure that the Government is reimbursed for any costs associated with such treatment or transportation.

(iii) Medical or dental care beyond this standard is not authorized unless specified elsewhere in this contract.

(3) Unless specified elsewhere in this contract, the Contractor is responsible for all other support required for its personnel engaged in the theater of operations under this contract.

(d) Compliance with laws and regulations. The Contractor shall comply with, and shall ensure that its personnel supporting U.S Armed Forces in the Republic of Korea as specified in paragraph (b)(1) of this clause are familiar with and comply with, all applicable—

(1) United States, host country, and third country national laws;

(i) The Military Extraterritorial Jurisdiction Act may apply to contractor personnel if contractor personnel commit crimes outside the United States.

(ii) Under the War Crimes Act, United States citizens (including contractor personnel) who commit war crimes may be subject to federal criminal jurisdiction.

(iii) When Congress formally declares war, contractor personnel authorized to accompany the force may be subject to the Uniform Code of Military Justice.

(2) Treaties and international agreements;

(3) United States regulations, directives, instructions, policies, and procedures; and

(4) Orders, directives, and instructions issued by the COMUSK relating to force protection, security, health, safety, or relations and interaction with local nationals. Included in this list are force protection advisories, health advisories, area (i.e. “off-limits”), prostitution and human trafficking and curfew restrictions.

(e) Pre-deployment/departure requirements. The Contractor shall ensure that the following requirements are met prior to deploying/locating personnel in support of U.S. military forces in the Republic of Korea. Specific requirements for each category may be specified in the statement of work or elsewhere in the contract.

(1) All required security and background checks are complete and acceptable.

(2) All contractor personnel meet the minimum medical screening requirements and have received all required immunizations as specified in the contract. In the Republic of

Korea, all contractor employees subject to this clause shall comply with the same DoD immunization requirements applicable to Emergency Essential DoD civilians—

INCLUDING ANTHRAX IMMUNIZATION. The Government will provide, at no cost to the Contractor, any Korean theater-specific immunizations and/or medications not available to the general public.

(3) Contractor personnel have all necessary passports, visas, and other documents required to enter and exit a theater of operations and have a Geneva Conventions identification card from the deployment center or CONUS personnel office—if, applicable.

(4) Country and theater clearance is obtained for contractor personnel. Clearance requirements are in DOD Directive 4500.54, Official Temporary Duty Abroad, DOD 4500.54-G, DOD Foreign Clearance Guide, and USFK Reg 1-40, United States Forces Korea Travel Clearance Guide. Contractor personnel are considered non-DOD personnel traveling under DOD sponsorship.

(f) Processing and departure points. Deployed contractor personnel shall—

(1) Under contingency conditions or under other conditions as specified by the Contracting Officer, process through the deployment center designated in the contract, prior to deploying. The deployment center will conduct deployment processing to ensure visibility and accountability of contractor personnel and to ensure that all deployment requirements are met;

(2) Use the point of departure and transportation mode directed by the Contracting Officer; and

(3) If processing through a deployment center, process through a Joint Reception Center (JRC) upon arrival at the deployed location. The JRC will validate personnel accountability, ensure that specific theater of operations entrance requirements are met, and brief contractor personnel on theater-specific policies and procedures.

(g) Personnel data list.

(1) The Contractor shall establish and maintain with the designated Government official a current list of all contractor personnel that deploy with or otherwise provide support in the theater of operations to U.S. military forces as specified in paragraph (b)(1) of this clause. The Synchronized Pre-deployment and Operational Tracker (SPOT) is the designated automated system to use for this effort. This accountability requirement is separate and distinct from the personnel accountability requirement listed in the U.S.–ROK SOFA's Invited Contractor/Technical Representative Program (as promulgated in USFK Regulation 700-19).

(2) The Contractor shall ensure that all employees on the list have a current DD Form 93, Record of Emergency Data Card, on file with both the Contractor and the designated Government official.

(h) Contractor personnel.

(1) The Contracting Officer may direct the Contractor, at its own expense, to remove and replace any contractor personnel who jeopardize or interfere with mission accomplishment or who fail to comply with or violate applicable requirements of this clause. Contractors shall replace designated personnel within 72 hours, or at the Contracting Officer's direction. Such action may be taken at the Government's discretion without prejudice to its rights under any other provision of this contract, including the Termination for Default clause.

(2) The Contractor shall have a plan on file showing how the Contractor would replace employees who are unavailable for deployment or who need to be replaced during deployment. The Contractor shall keep this plan current and shall provide a copy to the Contracting Officer and USFK Sponsoring Agency (see USFK Reg 700-19) upon request. The plan shall—

- (i) Identify all personnel who are subject to U.S. or Republic of Korea military mobilization;
  - (ii) Identify any exemptions thereto;
  - (iii) Detail how the position would be filled if the individual were mobilized; and
  - (iv) Identify all personnel who occupy a position that the Contracting Officer has designated as mission essential.
- (i) Military clothing and protective equipment.

(1) Contractor personnel supporting a force deployed outside the United States as specified in paragraph (b)(1) of this clause are prohibited from wearing military clothing unless specifically authorized in writing by the COMUSK. If authorized to wear military clothing, contractor personnel must wear distinctive patches, arm bands, nametags, or headgear, in order to be distinguishable from military personnel, consistent with force protection measures and the Geneva Conventions.

(2) Contractor personnel may wear military-unique organizational clothing and individual equipment (OCIE) required for safety and security, such as ballistic, nuclear, biological, or chemical protective clothing.

(3) The deployment center, the Combatant Commander, or the Sponsoring Agency shall issue OCIE and shall provide training, if necessary, to ensure the safety and security of contractor personnel.

(4) The Contractor shall ensure that all issued OCIE is returned to the point of issue, unless otherwise directed by the Contracting Officer.

(j) Weapons.

(1) If the Contractor requests that its personnel performing in the theater of operations be authorized to carry weapons, the request shall be made through the Contracting Officer to the COMUSK. The COMUSK will determine whether to authorize in-theater contractor personnel to carry weapons and what weapons will be allowed.

(2) The Contractor shall ensure that its personnel who are authorized to carry weapons—

(i) Are adequately trained;

(ii) Are not barred from possession of a firearm by 18 U.S.C. 922; and

(iii) Adhere to all guidance and orders issued by the COMUSK regarding possession, use, safety, and accountability of weapons and ammunition.

(iv) The use of deadly force by persons subject to this clause shall be made only in self-defense, except:

(v) Persons subject to this clause who primarily provide private security are authorized to use deadly force only as defined in the terms and conditions of this contract in accordance with USFK regulations and policies (especially, USFK Regulation 190-50).

(vi) Liability for the use of any weapon by persons subject to this clause is solely the responsibility of the individual person and the contractor.

(3) Upon redeployment or revocation by the COMUSK of the Contractor's authorization to issue firearms, the Contractor shall ensure that all Government-issued weapons and unexpended ammunition are returned as directed by the Contracting Officer.

(k) Evacuation.

(1) In the event of a non-mandatory evacuation order, unless authorized in writing by the Contracting Officer, the Contractor shall maintain personnel on location sufficient to meet obligations under this contract.

(l) Theater Specific Training. Training Requirements for IC/TR personnel shall be conducted in accordance with USFK Reg 350-2 Theater Specific Required Training for all Arriving Personnel and Units Assigned to, Rotating to, or in Temporary Duty Status to USFK.

(m) USFK Responsible Officer (RO). The USFK appointed RO will ensure all IC/TR personnel complete all applicable training as outlined in this clause.

(n) Changes. In addition to the changes otherwise authorized by the Changes clause of this contract, the Contracting Officer may, at any time, by written order identified as a change order, make changes in Government-furnished facilities, equipment, material, services, or site. Any change order issued in accordance with this paragraph shall be subject to the provisions of the Changes clause of this contract.

(o) Subcontracts. The Contractor shall incorporate the substance of this clause, including this paragraph, in all subcontracts that require subcontractor personnel to be available to deploy with or otherwise provide support in the theater of operations to U.S. military forces deployed/stationed outside the United States in—

- (1) Contingency operations;
- (2) Humanitarian or peacekeeping operations; or
- (3) Other military operations or exercises designated by the Combatant Commander.

(p) The Contracting Officer will discern any additional GFE, GFP or logistical support necessary to facilitate the performance of the enhanced requirement or necessary for the protection of contractor personnel. These items will be furnished to the Contractor at the sole discretion of the Contracting Officer and may be provided only on a reimbursable basis.

## **9.0 Applicable Documents**

In addition to the directives and regulations identified in the IRES Contract SOO, paragraph 8.0, the following are applicable to this task order:

<b>Title</b>	<b>Originator</b>	<b>Date</b>
Integrated Master Test Plan v18.1	MDA/DT	24 Mar 2017
BMDS Exercises and Wargames Concept of Operations	MDA/DX	9 May 2016
MDA Test Policy	MDA/DT	15 Jan 2015
Sample Wargames and Exercises (see attachment A)	MDA/DTWX	29 Oct 2018
DTW Event Activities Matrix Rev A (see attachment B)	MDA/DTWX	05 March 2019
CDRLs (see attachment C)	MDA/DTWX	17 Jan 2019
Travel Policy (see attachment D)	JTR/MDA	1 Jan 2018
ECSP Process Timeline (see attachment E)	MDA/DTWX	29 Jan 2019

## **10.0 Statement of Objectives and Outcomes**

### **10.1 Task Order Administration**

This portion of this PWS contains structure, objectives and outcomes with respect to the administration of the **Task Order**. This PWS element represents the work required to administer the Task Order and the Enterprise Support of the Task Order's work and resources. For this Task Order, work is estimated at this level in the PWS (10.1, 10.2, 10.3, etc.).

#### **10.1.1 Task Order Management**

This PWS element represents the work specifically required to support the management of requirements of the overall Task order, which includes all reporting, briefings, awards, modifications, SSIs, etc.

##### **10.1.1.1 Stakeholder Technical Integration Management (STIM) and IRES Integration Management**

Objective #1: The contractor shall manage TO work execution, resources and information to conduct, deliver, and communicate on task order delivery.

Outcomes:

- Provide a POC responsible for managing the cost, schedule, risk, and technical performance of the TO in accordance with the requirements of the PWS.
- Provide a POC to serve as a liaison to the COTR or Assistant COTR (ACOTR) who is responsible for providing insight on TO performance, to include metrics which roll up to the SSI's and monthly QPR inputs.
- Manage TO activities in accordance with the processes defined in the IRES Program Management Plan (CDRL TO8002 C008). All TO requirements are identified, managed, validated, and verified in accordance with the contractor's IRES Systems Engineering Master Plan.
- A common Enterprise Architecture vision is implemented IRES-wide to support MDA "to-be" architectures, including the identification of gaps and lessons learned.

Objective #2: The contractor shall provide task order reporting to accurately monitor status in accordance with CDRL and Milestone requirements.

Outcomes:

- IPMR and TO financial status reports for the TO are delivered monthly per CDRL requirements.
- An Integrated Baseline Review of the TO is performed within 90 days of TO award.
- TO status (e.g., technical, cost, schedule) is reported to the COTR on a monthly basis in accordance with CDRL requirements.
- TO status includes cost and schedule performance by WBS and IRES organization structure; significant accomplishments; customer concerns or issues; TO risks and mitigation status; performance against the IRES contract, SE&PI SSIs #1-#4 and Award

Fee, and TO SSIs; Earned Value Management (EVM) reports, quality assurance reviews, audit results, and non-conformance finding closure reports; safety information.

- TO performance trends are identified, tracked and shared with the COTR, ACOTR, and applicable government stakeholders.

Milestone: Integrated Baseline Review

CDRL C001: Integrated Program Management Report

CDRL C002: Task Order Status Report

#### **10.1.1.2 Responsible Organization Management**

Objective #1: The contractor shall provide qualified personnel and manage those personnel to perform TO activities.

Outcomes:

- The workforce is managed efficiently, mitigating workforce surge and drawdown impacts, analyzing workforce trends, and forecasting workforce needs and hiring to those requirements.
- A trained and qualified workforce is maintained that is able to perform the functions necessary to operate, support, and sustain MDIOC facilities and systems that are required under this TO.
- The workforce delivers quality and innovative work in accordance with the policy and direction provided in the IRES Management System set of processes and tools.

Objective #2: The contractor shall maintain accountability of all property under its control and provide reporting to ensure government situational awareness of property status.

Outcomes:

- The contractor shall submit a Material Inspection and Receiving Report as required by DFARS 252.246-7000 for the delivery of all CAP classified as Equipment, Special Test Equipment, and Special Tooling by using the Invoicing, Receipt, Acceptance, and Property Transfer (iRAPT) application in the Wide Area Workflow (WAWF) e-Business Suite in accordance with the instructions provided in the CLIN 7990.

#### **10.1.1.3 Administrative Support**

Objective #1: The contractor shall provide resources to manage the contractual requirements, and provide financial oversight and performance tracking for the task order.

Outcomes:

- Task Order financial management activities ensure that task order reporting, including EVM reporting, accurately reflect the current state of TO financial performance and status.
- TO contractual deliverables are provided within the agreed to schedule, in the correct formats and to a high level of quality.
- Based on TO performance trends, periodic audits of task estimates are performed, TO risks are tracked, and schedule accuracy is evaluated. TO performance is continuously evaluated and improved using objective performance measures.
- Provide configuration management, quality and mission assurance, and risk management contractual requirements.
  - TO asset configurations are managed in accordance with the IRES Configuration Management Plan (CDRL TO8002 C022).
  - TO risks are managed in accordance with the IRES Risk Management Plan (CDRL TO8002 C021).
  - The quality of TO activities is assured in accordance with the Quality Assurance Program Plan (CDRL TO8002 C020).
  - TO supplies are purchased in accordance with the IRES Supply Chain Risk Management Plan including an authorized suppliers list for critical systems.

Objective #2: The contractor shall provide information security, physical security, export control and cybersecurity training and processes in accordance with federal, DoD and agency requirements to safeguard the conduct of the MDA mission through the IRES contract.

**Outcomes:**

- MDA-identified Critical Program Information (CPI) and Critical Technologies (CT) are protected to the standards required in DoDI 5200.39
- All Controlled Unclassified Information is protected from unauthorized access, disclosure, incident, or compromise.
- All contractor-managed TO systems maintain System Authorization in accordance with DoDI 8510.01, Risk Management Framework.
- Cybersecurity requirements and considerations are integrated into TO systems engineering, design, and risk management processes.
- All contractor-managed TO systems are operated in accordance with cybersecurity requirements.
- Security administration is provided to comply with applicable DoD, MDA, and local security directives, policies, procedures, and instructions for physical security and for the safeguarding of BMDS controlled and classified information, to include proper document marking, classification, storage, accountability, transmittal, and destruction.
- Personnel requiring privileged access maintain appropriate computing environment certifications for the operating system(s) and/or security related tools/devices they support or operate.

**10.1.2 Objective: Enterprise Task Order Support**

This PWS element represents the work of IRES enterprise support to the Task Order's work and resources.

#### **10.1.2.1 Enterprise Management**

Objective #1: The contractor shall provide the resources and data to enable enterprise management of this task order for human resources, business/finance, and JEMS in support of integration.

Outcomes:

- JEMS portal environment provides transparent and integrated workforce and government data availability and TO support for data reporting, including EVM and metrics/SSI dashboards..
- Contracting office provides subcontracting, limitation of funds oversight and TO modification and award to the STIM and COTR in accordance with PWS and contractual requirements.
- MDA customers and stakeholders have on-demand access to JEMS portal and associated dashboards.
- TO export control requirements are managed to comply with DoD and MDA requirements, including International Traffic in Arms Regulations (ITAR) (22 CFR 120-130) and Technical Assistance Agreements processes as required.
- An IRES procurement system is maintained to support the procurement needs of the task order.
- HR staff and functions are available to support TO needs for recruiting, hiring, and training a qualified workforce which meets the TO requirements.
- Business office functions which enable payroll, timekeeping, accounts receivable/payable, and travel services required by the TO.
- Small business and teammate management in support of MDA and IRES small business goals.
- TO supplies are purchased in accordance with the IRES Supply Chain Risk Management Plan including an authorized suppliers list for critical systems.

#### **10.1.2.2 Mission and Performance Assurance**

Objective #1: The contractor shall perform Mission and Performance Assurance functions to ensure the products and services provided under this TO utilize established using integrated processes and practices that are standardized across the IRES contract.

Outcomes:

- Deliver an EVM system which provides TO required IPMR formats and IBR/BR artifacts.
- The TO IMS are structures for integration into the contractor's IRES Integrated Schedule (IIS).

- IRES PAL provides systems integration and a common MDIOC system vision and oversight that are integrated enterprise-wide through the Program Management Plan.
- Critical assets and resources are managed, to include conflict forecasting and de-confliction, across the IRES enterprise.
- Risk management services documentation, tracking and analysis of TO risks.

Objective #2: The contractor shall track, manage and report on TO performance measures, including metrics, lessons learned and accomplishments.

Outcomes:

- Based on TO performance trends, periodic audits of task estimates are performed, TO risks are tracked, and schedule accuracy is evaluated.
- All TO CDRLs are tracked and delivered on time and with accurate information.
- Customer satisfaction with the services and products delivered in this TO is solicited and tracked.
- TO lessons learned, best practices, and accomplishments are collected and shared with the COTR, ACOTR, other government stakeholders, and IRES workforce.

Objective #3: The contractor shall incorporate Mission Assurance activities into all TOs.

Outcomes:

- TO risks are managed in accordance with the IRES Risk Management Plan (CDRL TO8002 C021).
- The quality of TO activities is assured in accordance with the Quality Assurance Program Plan (CDRL TO8002 C020).

Objective #4: The contractor shall provide information security, physical security, and export control processes in accordance with federal, DoD and agency requirements to safeguard the conduct of the MDA mission through the IRES contract.

Outcomes:

- Security administration is provided to comply with applicable DoD, MDA, and local security directives, policies, procedures, and instructions for industrial security and for the safeguarding of BMDS controlled and classified information.
- Employees are in and out-processed, RABs and CACs are renewed, and clearance and special access requirements are monitored and coordinated. ADPE letters for removal and introduction of MDA-issued equipment in the Schriever AFB RAs by employees is coordinated.
- Teammate, subcontractor, and visitor security requirements are processed.

Objective #5: The contractor shall promote and enforce safe and sustainable work practices to prevent personnel injury, damage to property or harm to the environment.

Outcomes:

- TO activities are performed in accordance with the Mishap Prevention and Safety Plan (CDRL TO8002 C024) to prevent personnel injury and property damage.
- TO activities are performed in accordance with the Environmental Program Plan (CDRL TO8002 C023) to prevent harm to the environment and maximize sustainable practices.

### **10.1.2.3 Functional Management and Administrative Support**

Objective #1: The contractor shall provide a functional management oversight structure to lead, manage and assign resources within their organization.

Outcomes:

- The Event and Warfighter Support (EWS) Director leads and manages the department to meet IRES and its applicable task orders' requirements.
- The EWS Director delivers IRES products and services which includes the correct people, processes, and tools to meet mission requirements.
- The EWS Directors tactically allocates and strategically forecasts resources within EWS and its applicable task orders to ensure the sustainment, renewal, and growth of the technical expertise within the department that meets current and future requirements.
- The EWS Department provides training, certifications, and career growth of each employee within the department.
- The EWS Director mentors and oversees the execution of event engineering, asset operations and sustainment, systems integration, and analysis to ensure the technical success of each task order within the department.

Objective #2: The contractor shall provide functional administrative and management support as required to communicate and deliver enterprise integration.

Outcomes:

- TBD (This area is for functional org RDC, not all TOs will have this) {Some general verbiage stolen from TO 7300 that might work:} Coordination between IRES senior managers and government leaders with customer service, IRES integration and processes, and communications to support and ensure accomplishment of TO objectives
- The EWS Department develops, standardizes, and deploys processes for event engineering, asset operations and sustainment, systems integration, and analysis.
- The EWS Department coordinates, integrates and delivers innovations to the task order mission areas, and IRES as a whole, to optimize efficiencies and mission effectiveness.

### **10.1.3 Objective: Task Order Award and Modification**

Objective #1: The contractor shall provide the resources and data to provide timely and accurate proposals to government requirements for proposal and other contract modification actions.

## **10.2 BMDS Wargames and Exercises Resources Sustainment**

### **10.2.1 Objective: Scheduling**

The contractor shall facilitate the reporting and scheduling of facility maintenance, inspection, and cleaning requirements that are performed under other IRES task orders.

#### **Outcomes**

10.2.1.1 Coordinate, facilitate, and provide access to the BMDS War Games and Exercises Facility for personnel not permanently authorized within the facility, for facility inspections, cleaning crews, VIP visits, project-related visits and inventory activities.

10.2.1.2 Coordinate across other IRES task orders and with vendors and other government customers to identify and mitigate/de-conflict work that occurs in the BMDS Wargames and Exercises Facility mission space boundaries that is not defined within the scope of this task order.

10.2.1.3 Plan and coordinate freeze waivers through the MDIOC's Work Screening Team.

### **10.2.2 Objective: Security Management**

The contractor shall perform security management functions to ensure compliance with MDIOC, MDA and DoD standards.

#### **Outcomes**

10.2.2.1 Manage access control to controlled areas within the Wargames and Exercise Area.

10.2.2.2 Manage and process incoming and outgoing Visit Authorization Requests.

10.2.2.3 Maintain and manage open storage certification requirements. Provide guidance to occupants on the Security Classification requirements. Receive, generate and reproduce classified material up to the SECRET classification.

10.2.2.4 Perform duties as the Assistant Security Manager as defined in the Standard Operating Procedure (SOP). Coordinate for the Security Manager with Missile Defense Agency Security Department (MDA/EIR) Security Personnel of all physical and information security issues and tasks. Develop and maintain SOP documentation in accordance with the standard MDA/EIR procedures.

### **10.2.3 Objective: Mission Operations and Capability Sustainment**

The contractor shall provide services necessary for the sustainment of mission systems and capabilities. Sustainment activities include network administration/management, proactive/corrective maintenance, hardware and software refresh, government approved refresh plan, break/fix service restoration, system check-out, Install-Move-Add-Change (IMAC) services (scheduling and installation of hardware and software and associated changes to

configuration, de-installation, relocation, and testing), and engineering services for the following Wargames and Exercise assets:

- Exercises & Wargames Computing systems (ADPE) hardware and software
- Ballistic Missile Defense Modeling & Simulation Enclave (BME) Tactical Data and Analysis Connectivity System (TDACS)
- BME Windows Unclassified
- BME Windows Releasable
- BME Linux Releasable
- BME Linux US Only
- Allied Integration Enclave (AIE), which includes Cross Domain Solutions (CDS) and associated low-side networks
- Exercises & Wargames A/V distribution,
- Event based and specialty networks

The Contractor shall maximize efficiencies and leverage applicable infrastructure, capabilities and services across DT.

## **Outcomes**

10.2.3.1 Maintain and refresh hardware, software and current capabilities in accordance with industry best maintenance practices ensuring an appropriate mix between proactive and corrective maintenance, repair, and replacement to maintain availability of systems, equipment and networks. Document and execute maintenance plans, schedules, and performance expectations. Utilize system performance and maintenance trending analysis to manage the maintenance program.

10.2.3.2 Implement an integrated approach to operate and manage assets that provides for the continuous identification, selection, control, life-cycle management, and evaluation of the assets in a structured process resulting in a systematic method maximizing the return of assets.

- CDRL C004: Operational Support Documentation: Technology Refresh Plan

10.2.3.3 Mission Critical Break/Fix Response. Degradations/failures of mission critical functions required to maintain mission availability during distributed testing and test execution responded to within 90 minutes of notification. Repair activities communicated, initiated, conducted, and completed with minimal impact to missions. A summary of degradations/failures, to include the incident response times and root-cause analysis shall be annotated in the monthly Task Order Status Review (CDRL C002).

10.2.3.4 Non-Mission Critical Functionality Response. During core hours, respond to routine degradations/failures responded within 24 hours. Demonstrate minimal impact to mission while repair activities are initiated, conducted, and completed. A summary of degradations/failures, to include the response times and a root-cause analysis shall be annotated in the monthly Task Order Status Review (CDRL C002).

10.2.3.5 Manage and maintain currency on all licensing and update services for all software and hardware. Track life cycle information in relation to “Vendor End-of-life/serviceability” and MDA Network Owner “End-of-Net worthiness and support.” Report any lapse in hardware service agreements or software licenses in the monthly Task Order Status Review (CDRL C002).

10.2.3.6 Maintain protection from intrusion and exploitation of Information systems as required by MDA and DoD standards.

10.2.3.7 Achieve reductions in life-cycle costs of equipment through the use of alternatives in system configurations through the utilization of current technology components, adoption of common equipment to multiple requirements, or the application or the implementation of new approaches to system development and support. Provide a bi-annual update in the Task Order Status Review (CDRL C002).

10.2.3.8 Comply with MDA network administration enterprise architectures and enforce common standards, policies and management processes enabling proactive defense of networks and data

10.2.3.9 Design and manage network architectures and provide network administration services.

- Align with DoD’s Strategy for Implementing the Joint Information Environment.
- Improve upon the MDA’s established Single Security Architecture which collapses network security boundaries and reduces the Agency’s external attack surface.
- Enables improved containment and reaction to cyber-attack, and standardized management, operational and technical security controls of the network supporting Administrative and General Systems as well as supporting RDT&E connectivity requirements.

## **PPWPs**

10.2.3.10 Technical Refresh Hardware x10. Upgrade and refresh current hardware capabilities above the established baseline.

10.2.3.11 Technical Refresh Software x20. Upgrade and refresh current software capabilities above the established baseline.

## **10.2.4 Cybersecurity Compliance**

The Contractor shall provide compliant security services that prevent unauthorized access, use, disclosure, disruption, modification, inspection, recording, or destruction of information and/or equipment and processes that create that information for the mission areas. The Contractor will have full Cyber responsibility for the BME and AIE accredited systems in order to meet test and event requirements. These security services and tools include:

- Security Engineering and Security Administration processes and products that support system certification and accreditation (C&A)
- Cybersecurity Concept of Operations
- Accreditation requirements of the DoD's Risk Management Framework (RMF)
- Information Assurance Vulnerability Management (IAVM)
- ePO system
- Continuous security monitoring and reporting as an MDA Tier III Computer Network Defense (CND) organization by managing:
  - DISA security tools including Host-Based Security System (HBSS)
  - Assured Compliance Assessment Solution (ACAS)
  - Enterprise Mission Assurance Support Service (eMASS)
  - Continuous Monitoring and Risk Scoring (CMRS)

10.2.4.1 Perform Cyber system administration and security management tasks using DISA tools and report, monitor applicable security resources for updated requirements and comply with DoD/CyberCommand Task Orders (CTO).

10.2.4.2 Recommend security requirements and safeguards and establish processes to validate security requirements, mitigate cyber risks, and acquire certification and accreditation of systems.

10.2.4.3 Anticipate requirements for cyber accreditations and recommend a Plan of Action and Milestones (POA&M) to accomplish tasks that allow participation in events

10.2.4.4 Demonstrate and report compliance with cybersecurity requirements using the standard scorecard.

10.2.4.5 Assess systems, networks, and using passive and active evaluations, participate in the Security Test and Evaluation (ST&E) processes, and identify vulnerabilities and deviations from acceptable configurations

10.2.4.6 Document the results of Certification and Accreditation activities.

10.2.4.7 Conduct Incident Response actions and analyze malicious events and known exploitations/vulnerabilities for the creation of custom signature rule sets.

10.2.4.8 Identify and manage government common user systems and special purpose systems that require custom security features and procedures.

10.2.4.9 Comply with RMF mitigation requirements for Category I, II, and III findings

10.2.4.10 Obtain timely Authorization to Operate (ATO) for mission areas and maintains status by implementing agreed-upon set of security controls.

- CDRL C006: Assessment and Authorization Documentation

### **10.3 Mission Development (PPWP)**

Mission Development consists of multiple tasks in support of COCOM Exercises such as Concept Development, MDA M&S and network requirements development, TIMs, planning activities, EI&T activities, and execution activities. For this period of performance estimate one Global Lighting type event with planning events in USEUCOM. In addition, assume two CONUS planning events. Each project shall be defined through a Technical Direction Letter (TDL).

The PPWPs which will be identified in each TDL that will be associated with each objective are outlined in Attachment 02 to the Contract.

#### **10.3.1 Objective: Design #1**

The contractor shall perform event planning and design tasks as outlined in the TDL to ensure warfighter Missile Defense goals and objectives are fully met.

The outcomes identified in paragraph A.1 in Attachment C, under the Design Phase are applicable to the planning and design tasks identified in the TDL.

#### **10.3.2 Objective: Design #2**

The Contractor shall perform functions necessary as outlined in the TDL to ensure Foreign Disclosure, Export Control and ITAR compliance.

The outcomes identified in paragraph A.2 in Attachment C, under the Design Phase are applicable to the planning and design tasks identified in the TDL.

#### **10.3.3 Objective: Test #1**

The Contractor shall communicate, coordinate, engineer, integrate, and test necessary architectures, simulations, models, and OITL interfaces, simulated and tactical communications and data collection efforts, as outlined in the TDL to ensure event goals and objectives are fully met and to ensure successful event execution.

The outcomes identified in paragraph A.3 in Attachment C, under the Test Phase are applicable to the test tasks identified in the TDL.

### **10.4 Strategic Projects**

Perform strategic forward looking projects in alignment with the MDA Director for Test 2030 Test Strategy to enhance BMDS Exercises and Wargames. Technical Direction Letters (TDLs) will identify the projects the contractor will apply the following objective and outcomes to and identify the schedule and any required tailoring to the outcomes identified below.

The contractor shall perform the planning, requirements identification and analysis, Courses of Action (COA) and Analysis of Alternatives (AoAs) development, stakeholder coordination, engineering board processes, compliance processes, preliminary and detailed designs, implementation, installation, configuration and documentation for future Exercises and Wargame networks, architectures and infrastructure as required.

#### **10.4.1 Objective: Project Initiative and Planning**

##### **Outcomes**

- 10.4.1.1 Define project concept, goals and requirements
- 10.4.1.2 Identify and coordinate internal & external stakeholders
- 10.4.1.3 Identify and coordinate internal & external dependencies, constraints and risks
- 10.4.1.4 Develop Project Objectives and Milestones (POA&M)
- 10.4.1.5 Develop COAs and AoAs
- 10.4.1.6 Draft and submit internal external service request / requirements forms
- 10.4.1.7 Develop cybersecurity documentation, accreditation and connection processes
- 10.4.1.8 Develop Cross Domain Solution (CDS) documentation

#### **10.4.2 Objective: Project Design**

##### **Outcomes**

- 10.4.2.1 Conduct design reviews
- 10.4.2.2 Create and coordinate architecture drawings
- 10.4.2.3 Create and coordinate Bill of Materials (BOM) / parts and equipment List
- 10.4.2.4 Create and coordinate Configuration Management plan

#### **10.4.3 Objective: Project Execution**

##### **Outcomes**

- 10.4.3.1 Develop cybersecurity documentation, accreditations and connections
- 10.4.3.2 Develop Cross Domain Solutions (CDS)
- 10.4.3.3 Configure network/architecture
- 10.4.3.4 Develop Configuration Management plan

#### **10.4.4 Objective: Live, Virtual and Constructive (LVC) Environment**

The contractor shall explore, identify, coordinated and anticipate future LVC environment capabilities, enhancement, interoperability and interface requirements and changes required for Exercises and Wargames in a multi-service/agency, multi-lateral and globally distributed environment.

##### **Outcomes**

- 10.4.4.1 Perform LVC gap analysis.
- 10.4.4.2 Develop virtualization and distributive environment COAs and AoAs.
- 10.4.4.3 Develop multi-level classification event solution COAs and AoAs
- 10.4.4.4 Develop Integrated Air and Missile Defense (IAMD) solution COAs and AoAs
- 10.4.4.5 Respond to capability calls.

#### **10.4.5 Objective: Scenario Enhancement and Automation**

The contractor shall perform studies addressing Exercises and Wargames unclassified and classified data management, automation, accessibility, usability, data call response times and cybersecurity.

##### **Outcomes**

- 10.4.5.1 Develop event and scenario data management concepts
- 10.4.5.2 Design event and scenario data management solutions
- 10.4.5.3 Implement event and scenario data management solutions

Develop classified data at rest solution COAs and AoAs

#### **10.5 GLOBAL THUNDER 20 / VIGILANT SHIELD 20 Exercise**

Systems: (b)(3):10 U.S.C. § 130

(b)(3):10 U.S.C. § 130

Units: (b)(3):10 U.S.C. § 130

(b)(3):10 U.S.C. § 130

#### **10.6 GLOBAL THUNDER 21 / VIGILANT SHIELD 21 Exercise**

Systems: (b)(3):10 U.S.C. § 130

(b)(3):10 U.S.C. § 130

Units: (b)(3):10 U.S.C. § 130  
(b)(3):10 U.S.C. § 130

#### **10.7 GLOBAL THUNDER 22 / VIGILANT SHIELD 22 Exercise**

Systems: (b)(3):10 U.S.C. § 130  
(b)(3):10 U.S.C. § 130

Units: (b)(3):10 U.S.C. § 130  
(b)(3):10 U.S.C. § 130

#### **10.8 GLOBAL RESPONSE EXERCISE 9 Exercise**

#### **10.9 GLOBAL RESPONSE EXERCISE 10 Exercise**

#### **10.10 ARTIC EDGE 20 Exercise**

#### **10.11 ARTIC EDGE 21 Exercise**

#### **10.12 Joint Live, Virtual, and Constructive 2019/20**

Systems: (b)(3):10 U.S.C. § 130  
(b)(3):10 U.S.C. § 130

Units: (b)(3):10 U.S.C. § 130  
(b)(3):10 U.S.C. § 130

#### **10.13 Joint Live, Virtual, and Constructive 2021/22**

Systems: (b)(3):10 U.S.C. § 130  
(b)(3):10 U.S.C. § 130

Units: (b)(3):10 U.S.C. § 130  
(b)(3):10 U.S.C. § 130

#### **10.14 KEY RESOLVE 19 / CST 19-1 Exercise**

Systems: (b)(3):10 U.S.C. § 130  
(b)(3):10 U.S.C. § 130

Units: (b)(3):10 U.S.C. § 130  
(b)(3):10 U.S.C. § 130

**10.15 KEY RESOLVE 20/ CST 20-1 Exercise**

Systems: (b)(3):10 U.S.C. § 130

(b)(3):10

Units: (b)(3):10 U.S.C. § 130

(b)(3):10 U.S.C. § 130

**10.16 KEY RESOLVE 21 / CST 21-1 Exercise**

Systems: (b)(3):10 U.S.C. § 130

(b)(3):10

Units: (b)(3):10 U.S.C. § 130

(b)(3):10 U.S.C. § 130

**10.17 ULCHI FREEDOM GUARDIAN 19 / CST 19-2 Exercise**

Systems: (b)(3):10 U.S.C. § 130

(b)(3):10

Units: (b)(3):10 U.S.C. § 130

(b)(3):10 U.S.C. § 130

**10.18 ULCHI FREEDOM GUARDIAN 20 / CST 20-1 Exercise**

Systems: (b)(3):10 U.S.C. § 130

(b)(3):10

Units: (b)(3):10 U.S.C. § 130

(b)(3):10 U.S.C. § 130

**10.19 ULCHI FREEDOM GUARDIAN 21 / CST 21-2 Exercise**

Systems: (b)(3):10 U.S.C. § 130

(b)(3):10

Units: (b)(3):10 U.S.C. § 130

(b)(3):10 U.S.C. § 130

**10.20 RESERVED**

**10.21 PACIFIC SENTRY 19-2 Exercise**

Systems: (b)(3):10 U.S.C. § 130  
(b)(3):10 U.S.C. § 130

Units: (b)(3):10 U.S.C. § 130

**10.22 PACIFIC SENTRY 19-3 Exercise**

Systems: (b)(3):10 U.S.C. § 130  
(b)(3):10 U.S.C. § 130

Units: (b)(3):10 U.S.C. § 130

**10.23 PACIFIC SENTRY 20-2 Exercise**

Systems: (b)(3):10 U.S.C. § 130  
(b)(3):10 U.S.C. § 130

Units: (b)(3):10 U.S.C. § 130

**10.24 PACIFIC SENTRY 20-3 Exercise**

Systems: (b)(3):10 U.S.C. § 130  
(b)(3):10 U.S.C. § 130

Units: (b)(3):10 U.S.C. § 130

**10.25 PACIFIC SENTRY 21-2 Exercise**

Systems: (b)(3):10 U.S.C. § 130  
(b)(3):10 U.S.C. § 130

Units: (b)(3):10 U.S.C. § 130

**10.26 PACIFIC SENTRY 21-3 Exercise**

Systems: (b)(3):10 U.S.C. § 130  
(b)(3):10 U.S.C. § 130

Units: (b)(3):10 U.S.C. § 130

**10.27 KEEN EDGE 20 Exercise**

Systems: (b)(3):10 U.S.C. § 130  
(b)(3):10 U.S.C. § 130

Units: (b)(3):10 U.S.C. § 130  
(b)(3):10 U.S.C. § 130

**10.28 KEEN SWORD 21 Exercise**

Systems: (b)(3):10 U.S.C. § 130  
(b)(3):10 U.S.C. § 130

Units: (b)(3):10 U.S.C. § 130  
(b)(3):10 U.S.C. § 130

**10.29 RESILIENT SHIELD 19 Exercise**

Systems: (b)(3):10 U.S.C. § 130  
(b)(3):10 U.S.C. § 130

Units: (b)(3):10 U.S.C. § 130  
(b)(3):10 U.S.C. § 130

**10.30 RESILIENT SHIELD 20 Exercise**

Systems: (b)(3):10 U.S.C. § 130  
(b)(3):10 U.S.C. § 130

(b)(3):10 U.S.C. § 130

Units: (b)(3):10 U.S.C. § 130

(b)(3):10 U.S.C. § 130

### 10.31 RESILIENT SHIELD 21 Exercise

Systems: (b)(3):10 U.S.C. § 130

(b)(3):10 U.S.C. § 130

Units: (b)(3):10 U.S.C. § 130

(b)(3):10 U.S.C. § 130

### 10.32 RESERVED

### 10.33 BMD Readiness Evaluation 20 Exercise

Systems: (b)(3):10 U.S.C. § 130

(b)(3):10 U.S.C. § 130

Units: (b)(3):10 U.S.C. § 130

(b)(3):10 U.S.C. § 130

### 10.34 HOST NATION EXERCISE 20

Systems: (b)(3):10 U.S.C. § 130

(b)(3):10 U.S.C. § 130

Units: (b)(3):10 U.S.C. § 130

(b)(3):10 U.S.C. § 130

### 10.35 HOST NATION EXERCISE 22

Systems: (b)(3):10 U.S.C. § 130  
(b)(3):10 U.S.C. § 130

Units: (b)(3):10 U.S.C. § 130  
(b)(3):10 U.S.C. § 130

### 10.36 AUSTERE CHALLENGE 19 Exercise

Systems: (b)(3):10 U.S.C. § 130  
(b)(3):10 U.S.C. § 130

Units: (b)(3):10 U.S.C. § 130

### 10.37 AUSTERE CHALLENGE 21 Exercise

Systems: (b)(3):10 U.S.C. § 130  
(b)(3):10 U.S.C. § 130

Units: USEUCOM; USNAVEUR; USAFE; USAEUR; SOCEUR

### 10.38 STEADFAST ALLIANCE 20 Exercise

Systems: (b)(3):10 U.S.C. § 130

Units: (b)(3):10 U.S.C. § 130  
(b)(3):10 U.S.C. § 130

### 10.39 STEADFAST ARMOUR 21 Exercise

Systems: (b)(3):10 U.S.C. § 130

Units: (b)(3):10 U.S.C. § 130  
(b)(3):10 U.S.C. § 130

### 10.40 ASTRAL KNIGHT 19 Exercise

### 10.41 ASTRAL KNIGHT 20 Exercise

### 10.42 ASTRAL KNIGHT 21 Exercise

### 10.43 JOINT PROJECT OPTIC WINDMILL 19 Exercise

Systems: (b)(3):10 U.S.C. § 130  
(b)(3):10 U.S.C. § 130

(b)(3):10 U.S.C. § 130

#### 10.44 JOINT PROJECT OPTIC WINDMILL 21 Exercise

Systems: (b)(3):10 U.S.C. § 130

(b)(3):10 U.S.C. § 130 (b)(3):10 U.S.C. § 130

Participants: (b)(3):10 U.S.C. § 130

(b)(3):10 U.S.C. § 130

#### 10.45 EUROPEAN TEST BED 19-1 Exercise (CLIN 1700)

Systems: (b)(3):10 U.S.C. § 130

Units: (b)(3):10 U.S.C. § 130

(b)(3):10 U.S.C. § 130

#### 10.46 EUROPEAN TEST BED 19-2 Exercise (CLIN 1700)

Systems: (b)(3):10 U.S.C. § 130

Units: (b)(3):10 U.S.C. § 130

(b)(3):10 U.S.C. § 130

#### 10.47 EUROPEAN TEST BED 20-1 Exercise

Systems: (b)(3):10 U.S.C. § 130

(b)(3):10 U.S.C. § 130

(b)(3):10 U.S.C. § 130

#### 10.48 EUROPEAN TEST BED 20-2 Exercise

Systems: (b)(3):10 U.S.C. § 130

Units: (b)(3):10 U.S.C. § 130

(b)(3):10 U.S.C. § 130

#### 10.49 EUROPEAN TEST BED 21-1 Exercise

Systems: (b)(3):10 U.S.C. § 130

Units: (b)(3):10 U.S.C. § 130

(b)(3):10 U.S.C. § 130

#### 10.50 EUCOM Command Post Exercise (CLIN 1700 and 1701)

#### 10.51 AIR AND MISSILE DEFENSE EXERCISE 19-1 Exercise

Systems: (b)(3):10 U.S.C. § 130  
(b)(3):10 U.S.C. § 130

Units: (b)(3):10 U.S.C. § 130  
(b)(3):10 U.S.C. § 130

#### 10.52 AIR AND MISSILE DEFENSE EXERCISE 19-2 Exercise

Systems: (b)(3):10 U.S.C. § 130  
(b)(3):10 U.S.C. § 130

Units: (b)(3):10 U.S.C. § 130  
(b)(3):10 U.S.C. § 130

#### 10.53 AIR AND MISSILE DEFENSE EXERCISE 20-1 Exercise

Systems: (b)(3):10 U.S.C. § 130  
(b)(3):10 U.S.C. § 130

Units: (b)(3):10 U.S.C. § 130  
(b)(3):10 U.S.C. § 130

#### 10.54 AIR AND MISSILE DEFENSE EXERCISE 20-2 Exercise

Systems: (b)(3):10 U.S.C. § 130  
(b)(3):10 U.S.C. § 130

Units: (b)(3):10 U.S.C. § 130  
(b)(3):10 U.S.C. § 130

#### 10.55 AIR AND MISSILE DEFENSE EXERCISE 21-1 Exercise

Systems: (b)(3):10 U.S.C. § 130  
(b)(3):10 U.S.C. § 130

Units: (b)(3):10 U.S.C. § 130  
(b)(3):10 U.S.C. § 130

#### 10.56 JOINT AIR DEFENSE EXERCISE 19-1 Exercise

Systems: (b)(3):10 U.S.C. § 130  
(b)(3):10 U.S.C. § 130

Units: AFCENT, NAVCENT, ARCCENT, MARCENT, 12<sup>th</sup> MDD, MDIOC, and NWDC at Norfolk, VA

#### 10.57 JOINT AIR DEFENSE EXERCISE 19-2 Exercise

Systems: (b)(3):10 U.S.C. § 130  
(b)(3):10 U.S.C. § 130

Units: (b)(3):10 U.S.C. § 130  
(b)(3):10 U.S.C. § 130

#### 10.58 JOINT AIR DEFENSE EXERCISE 20-1 Exercise

Systems: (b)(3):10 U.S.C. § 130  
(b)(3):10 U.S.C. § 130

Units: (b)(3):10 U.S.C. § 130  
(b)(3):10 U.S.C. § 130

#### 10.59 JOINT AIR DEFENSE EXERCISE 20-2 Exercise

Systems: (b)(3):10 U.S.C. § 130  
(b)(3):10 U.S.C. § 130

Units: (b)(3):10 U.S.C. § 130  
(b)(3):10 U.S.C. § 130

#### 10.60 JOINT AIR DEFENSE EXERCISE 21-1 Exercise

Systems: (b)(3):10 U.S.C. § 130  
(b)(3):10 U.S.C. § 130

Units: (b)(3):10 U.S.C. § 130  
(b)(3):10 U.S.C. § 130

#### 10.61 EAGLE RESOLVE 20 Exercise

Systems: (b)(3):10 U.S.C. § 130  
(b)(3):10 U.S.C. § 130

Units: (b)(3):10 U.S.C. § 130

#### 10.62 EAGLE RESOLVE 22 Exercise

Systems: (b)(3):10 U.S.C. § 130  
(b)(3):10 U.S.C. § 130

Units: (b)(3):10 U.S.C. § 130

#### 10.63 BMDS Wargame 2019

Systems: (b)(3):10 U.S.C. § 130

#### 10.64 (b)(3):10 U.S.C. § 130

Systems: (b)(3):10 U.S.C. § 130

#### 10.65 Space and Missile Defense Wargame 2019

Systems: (b)(3):10 U.S.C. § 130

**10.66 Huntsville Wargame 2019**

Systems: (b)(3):10 U.S.C. § 130

**10.67 NIMBLE TITAN 2020 Wargame**

Systems: (b)(3):10 U.S.C. § 130

**10.68 NIMBLE TITAN 2022 Wargame**

Systems: (b)(3):10 U.S.C. § 130

**10.69 NIMBLE FIRE 19A Wargame**

Systems: (b)(3):10 U.S.C. § 130

**10.70 NIMBLE FIRE 19B Wargame**

Systems: (b)(3):10 U.S.C. § 130

**10.71 NIMBLE FIRE 20A Wargame**

Systems: (b)(3):10 U.S.C. § 130

**10.72 NIMBLE FIRE 20B Wargame**

Systems: (b)(3):10 U.S.C. § 130

**10.73 NIMBLE FIRE 21A Wargame**

Systems: (b)(3):10 U.S.C. § 130

**10.74 NIMBLE LIGHTNING 19 Wargame**

**10.75 NIMBLE LIGHTNING 20 Wargame**

**10.76 Trilateral Wargame**

**10.77 PACOM MIX Table Top Exercise 2019 Wargame**

Systems: (b)(3):10 U.S.C. § 130

**10.78 PACOM MIX Table Top Exercise 2020 Wargame**

Systems: (b)(3):10 U.S.C. § 130

**10.79 PACOM TTE 2019 Wargame**

Systems: (b)(3):10 U.S.C. § 130

**10.80 PACOM TTE 2020 Wargame**

Systems: (b)(3):10 U.S.C. § 130

**10.81 Trillateral TTX 2019**

**10.82 EUCOM HQ Table Top Exercise 2019 Wargame**

Systems: (b)(3):10 U.S.C. § 130

**10.83 EUCOM AIRCOM Table Top Exercise 2019 Wargame**

Systems: (b)(3):10 U.S.C. § 130

**10.84 EUCOM SFN Table Top Exercise 2020 Wargame**

Systems: (b)(3):10 U.S.C. § 130

**10.85 EUCOM HQ Table Top Exercise 2021 Wargame**

Systems: (b)(3):10 U.S.C. § 130

**10.86 EUCOM Table Top Exercise #1 (PPWP) Wargame**

Systems: (b)(3):10 U.S.C. § 130

**10.87 EUCOM Table Top Exercise #2 (PPWP) Wargame**

Systems: (b)(3):10 U.S.C. § 130

**10.88 PACOM Table Top Exercise #1 (PPWP) Wargame**

Systems: (b)(3):10 U.S.C. § 130

**10.89 PACOM Table Top Exercise #2 (PPWP) Wargame**

Systems: (b)(3):10 U.S.C. § 130

**10.90 CONUS Table Top Exercise #1 (PPWP) Wargame**

Systems: (b)(3):10 U.S.C. § 130

**10.91 CONUS Table Top Exercise #2 (PPWP) Wargame**

Systems: (b)(3):10 U.S.C. § 130

**10.92 EUCOM TTX EPAA PH3 #5 (PPWP) Wargame**

Systems: (b)(3):10 U.S.C. § 130

**10.93 EUCOM TTX EPAA PH3 #6 (PPWP) Wargame**

Systems: (b)(3):10 U.S.C. § 130

**10.94 EUCOM TTX #7 (PPWP) Wargame**

Systems: (b)(3):10 U.S.C. § 130

**10.95 EUCOM TTX #8 (PPWP) Wargame**

Systems: (b)(3):10 U.S.C. § 130

**10.96 Trilateral TTX 2021 (PPWP) Wargame**

Systems: (b)(3):10 U.S.C. § 130

<b>ORDER FOR SUPPLIES OR SERVICES</b>										PAGE 1 OF 16			
1. CONTRACT/PURCH. ORDER/ AGREEMENT NO. HQ079617D0001			2. DELIVERY ORDER/ CALL NO. HQ079619F9700P00001		3. DATE OF ORDER/ CALL (YYYYMMDD) 2019 Mar 04		4. REQ. PURCH. REQUEST NO. See Schedule		5. PRIORITY  DX-C9				
6. ISSUED BY MISSILE DEFENSE AGENCY (MDA) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300				7. ADMINISTERED BY (if other than 6) DCMA HUNTSVILLE 1040 RESEARCH BLVD SUITE 100 MADISON AL 35758-2040		8. DELIVERY FOB <input checked="" type="checkbox"/> DESTINATION <input type="checkbox"/> OTHER  (See Schedule if other)							
9. CONTRACTOR JACOBS TECHNOLOGY INC. 550 WILLIAM NORTHERN BLVD. TULLAHOMA TN 37388-4727				10. DELIVER TO FOR POINT BY (Date) (YYYYMMDD) <b>SEE SCHEDULE</b>		11. MARK IF BUSINESS IS <input type="checkbox"/> SMALL <input type="checkbox"/> SMALL <input type="checkbox"/> DISADVANTAGED <input type="checkbox"/> WOMEN-OWNED							
12. DISCOUNT TERMS				13. MAIL INVOICES TO THE ADDRESS IN BLOCK See Item 15									
14. SHIP TO MISSILE DEFENSE AGENCY (MDA) (b)(6) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300				15. PAYMENT WILL BE MADE BY FAS COLUMBUS CENTER SOUTH ENTITLEMENT OPERATIONS P. O. BOX 182264 COLUMBUS OH 43218-2264				MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2.					
16. TYPE OF ORDER		DELIVERY/ CALL		X		This delivery order/call is issued on another Government agency or in accordance with and subject to terms and conditions of above numbered contract.							
PURCHASE						Reference your quote dated Furnish the following on terms specified herein, REF:							
ACCEPTANCE. THE CONTRACTOR HEREBY ACCEPTS THE OFFER REPRESENTED BY THE NUMBERED PURCHASE ORDER AS IT MAY PREVIOUSLY HAVE BEEN OR IS NOW MODIFIED, SUBJECT TO ALL OF THE TERMS AND CONDITIONS SET FORTH, AND AGREES TO PERFORM THE SAME.													
NAME OF CONTRACTOR				SIGNATURE				TYPED NAME AND TITLE				DATE SIGNED (YYYYMMDD)	
<input checked="" type="checkbox"/> If this box is marked, supplier must sign Acceptance and return the following number of copies: 1													
17. ACCOUNTING AND APPROPRIATION DATA/ LOCAL USE  See Schedule													
18. ITEM NO.		19. SCHEDULE OF SUPPLIES/ SERVICES				20. QUANTITY ORDERED/ ACCEPTED*		21. UNIT		22. UNIT PRICE		23. AMOUNT	
		<b>SEE SCHEDULE</b>											
* If quantity accepted by the Government is same as quantity ordered, indicate by X. If different, enter actual quantity accepted below quantity ordered and encircle.						24. UNITED STATES OF AMERICA (b)(6) Na.mil		(b)(6)		25. TOTAL \$12,863,597.00 EST			
27a. QUANTITY IN COLUMN 20 HAS BEEN						CONTRACTING / ORDERING OFFICER		26. DIFFERENCES					
<input type="checkbox"/> INSPECTED <input type="checkbox"/> RECEIVED <input type="checkbox"/> ACCEPTED, AND CONFORMS TO THE CONTRACT EXCEPT AS NOTED													
b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE						c. DATE (YYYYMMDD)		d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE					
e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE						28. SHIP NO.		29. DO VOUCHER NO.		30. INITIALS			
f. TELEPHONE NUMBER						g. E-MAIL ADDRESS							
36. I certify this account is correct and proper for payment.						31. PAYMENT <input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL		32. PAID BY		33. AMOUNT VERIFIED CORRECT FOR			
a. DATE (YYYYMMDD)		b. SIGNATURE AND TITLE OF CERTIFYING OFFICER								34. CHECK NUMBER			
										35. BILL OF LADING NO.			
37. RECEIVED AT		38. RECEIVED BY		39. DATE RECEIVED (YYYYMMDD)		40. TOTAL CONTAINERS		41. S/R ACCOUNT NO.		42. S/R VOUCHER NO.			

Section B - Supplies or Services and Prices

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1000	R&D Services/Capabilities CPIF The contractor shall provide all services/capabilities identified in the performance work statement (PWS) attached to this task order. All task order costs, other than those specifically included in another contract line item number (CLIN), are included in this CLIN.  All share ratios are identified as follows: Government/ Contractor. The share ratios are subject to revision in accordance with the IRES Performance Evaluation and Incentive Plan (Contract Attachment J-06).  FOB: Destination PURCHASE REQUEST NUMBER: HQ0147967979	(b)(4)			(b)(4)
				TARGET COST TARGET FEE  TOTAL TGT COST + FEE MINIMUM FEE MAXIMUM FEE  SHARE RATIO ABOVE TARGET SHARE RATIO BELOW TARGET	(b)(4)

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100001	Funding  ACRNAA  PURCHASE REQUEST NUMBER: HQ0147967979	(b)(4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
100002	Incremental Funding	
	ACRN AA	(b)(4)
	PURCHASE REQUEST NUMBER: HQ0147969636	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1001	R&D Services/Capabilities CPIF	(b)(4)			(b)(4)
	<p>The contractor shall provide all services/capabilities identified in the performance work statement (PWS) attached to this task order. All task order costs, other than those specifically included in another contract line item number (CLIN), are included in this CLIN.</p> <p>All share ratios are identified as follows: Government/ Contractor. The share ratios are subject to revision in accordance with the IR ES Performance Evaluation and Incentive Plan (Contract Attachment J-06).</p> <p>FOB: Destination</p> <p>PURCHASE REQUEST NUMBER: HQ0147967979</p>				

TARGET COST	(b)(4)
TARGET FEE	
TOTAL TGT COST + FEE	
MINIMUM FEE	
MAXIMUM FEE	
SHARE RATIO ABOVE TARGET	
SHARE RATIO BELOW TARGET	

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1040		(b)(4)			(b)(4)

R&D Expensed CAP: IT Hardware/Equipment  
CPIF

Contractor purchase of expensed contractor-acquired property (CAP), specifically information technology (IT) hardware (HW)/equipment (equip), necessary to provide the services/capabilities identified in the PWS attached to this task order. CAP is defined in FAR 52.245-1. IT hardware/equipment is a subset of equipment as defined in DoDI 5000.64.

Expensed CAP line items were created as an accounting mechanism designed to provide MDA better visibility and linkage of budget, obligation, expenditure, and government property data. Given the need for this level of visibility and linkage, as well as the need to include these costs as an integral component of the incentives, all task order CLINs are combined and considered a single entity for the purpose of administering the cost and performance incentives identified in the IRES PEIP (Contract Attachment J-06).

All share ratios are identified as follows: Government/ Contractor. The share ratios are subject to revision in accordance with the IRES PEIP.

NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.

FOB: Destination

PURCHASE REQUEST NUMBER: HQ01 47967979

TARGET COST  
TARGET FEE  
TOTAL TGT COST + FEE  
MINIMUM FEE  
MAXIMUM FEE  
SHARE RATIO ABOVE TARGET  
SHARE RATIO BELOW TARGET

(b)(4)

FSC CD: 7025

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1041		(b)(4)			(b)(4)

R&D Expensed CAP: IT Hardware/Equipment  
CPIF

Contractor purchase of expensed contractor-acquired property (CAP), specifically information technology (IT) hardware (HW)/equipment (equip), necessary to provide the services/capabilities identified in the PWS attached to this task order. CAP is defined in FAR 52.245-1. IT hardware/equipment is a subset of equipment as defined in DoDI 5000.64.

Expensed CAP line items were created as an accounting mechanism designed to provide MDA better visibility and linkage of budget, obligation, expenditure, and government property data. Given the need for this level of visibility and linkage, as well as the need to include these costs as an integral component of the incentives, all task order CLINs are combined and considered a single entity for the purpose of administering the cost and performance incentives identified in the IRES PEIP (Contract Attachment J-06).

All share ratios are identified as follows: Government/ Contractor. The share ratios are subject to revision in accordance with the IRES PEIP.

NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.

FOB: Destination

PURCHASE REQUEST NUMBER: HQ01 47967979

TARGET COST  
TARGET FEE  
TOTAL TGT COST + FEE  
MINIMUM FEE  
MAXIMUM FEE  
SHARE RATIO ABOVE TARGET  
SHARE RATIO BELOW TARGET

(b)(4)

FSC CD: 7025

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1060		(b)(4)			(b)(4)

R&D Expensed CAP: IT Software  
 CPIF

Contractor purchase of expensed contractor-acquired property (CAP), specifically commercial-off-the-shelf (COTS) internal use software (IUS), necessary to provide the services/capabilities identified in the PWS attached to this task order. CAP is defined in FAR 52.245-1. COTS IUS is a subset of IUS as defined in DoDI 5000.76.

Expensed CAP line items were created as an accounting mechanism designed to provide MDA better visibility and linkage of budget, obligation, expenditure, and government property data. Given the need for this level of visibility and linkage, as well as the need to include these costs as an integral component of the incentives, all task order CLINs are combined and considered a single entity for the purpose of administering the cost and performance incentives identified in the IRES PEIP (Contract Attachment J-06).

All share ratios are identified as follows: Government/ Contractor. The share ratios are subject to revision in accordance with the IRES PEIP.

NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.

FOB: Destination

PURCHASE REQUEST NUMBER: HQ01 47967979

TARGET COST  
 TARGET FEE  
 TOTAL TGT COST + FEE  
 MINIMUM FEE  
 MAXIMUM FEE  
 SHARE RATIO ABOVE TARGET  
 SHARE RATIO BELOW TARGET

(b)(4)

FSC CD: 7030

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1080		(b)(4)			(b)(4)

Capital Asset: IT Hardware/Equipment  
CPIF

This CLIN separates a portion of the IT Hardware (NetApp) for task 10.11 as a Capital Asset. All costs associated with the purchase of this asset are included. IT HW/Equip is a subset of equipment as defined in DoDI 5000.64. the remaining costs for this project are included in CLIN 1000.

Separating Capital Assets provides an accounting mechanism designed to provide MDA better visibility and linkage of budget, obligation, expenditure, and government property data. Given the need for this level of visibility and linkage, as well as the need to include these costs as an integral component of the incentives, all task order CLINs are combined and considered a single entity for the purpose of administering the cost and performance incentives identified in the IRES PEIP (Contract Attachment J-06).

All share ratios are identified as follows: Government/ Contractor. The share ratios are subject to revision in accordance with the IRES PEIP.

NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.

FOB: Destination

PURCHASE REQUEST NUMBER: HQ0147967979

TARGET COST  
TARGET FEE  
TOTAL TGT COST + FEE  
MINIMUM FEE  
MAXIMUM FEE  
SHARE RATIO ABOVE TARGET  
SHARE RATIO BELOW TARGET

(b)(4)

FSC CD: 7025

ITEM NO	SUPPLIES/SERVICES	AMOUNT
108001		

Incremental Funding

ACRN AB

(b)(4)

PURCHASE REQUEST NUMBER: HQ0147969634

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
7990		1	Lot		NSP

Data  
FFP

The contractor shall deliver all data identified in the contract data requirements lists (CDRL) attached to this task order.

Reference Section G of the basic contract. At the end of the task order period of performance, the contractor shall submit one Invoicing, Receipt, Acceptance, and Property Transfer (iRAPT) receiving report for all data previously delivered.

NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.

FOB: Destination

PURCHASE REQUEST NUMBER: HQ0147967979

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NET AMT

FSC CD: AC23

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
7991		6	Lot		NSP

CAP Delivery/CDRL  
FFP

Delivery of expensed CAP as required by the IRES Government Property Management Task Order.

NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.

FOB: Destination

PURCHASE REQUEST NUMBER: HQ0147967979

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NET AMT

FSC CD: AC23



Section E - Inspection and Acceptance

INSPECTION AND ACCEPTANCE TERMS

Supplies/services will be inspected/accepted at:

CLIN	INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
1000	Destination	Government	Destination	Government
100001	N/A	N/A	N/A	N/A
100002	N/A	N/A	N/A	N/A
1001	Destination	Government	Destination	Government
1040	Destination	Government	Destination	Government
1041	Destination	Government	Destination	Government
1060	Destination	Government	Destination	Government
1080	Destination	Government	Destination	Government
108001	N/A	N/A	N/A	N/A
7990	Destination	Government	Destination	Government
7991	Destination	Government	Destination	Government

Section F - Deliveries or Performance

DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	DODAAC / CAGE
1000	POP 05-MAR-2019 TO 04-MAR-2020	N/A	MISSILE DEFENSE AGENCY (MDA) (b)(6) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 (b)(6) FOB: Destination	HQ0796
100001	N/A	N/A	N/A	N/A
100002	N/A	N/A	N/A	N/A
1001	POP 05-MAR-2019 TO 04-MAR-2020	N/A	MISSILE DEFENSE AGENCY (MDA) (b)(6) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 719-721-9292 FOB: Destination	HQ0796
1040	POP 05-MAR-2019 TO 04-MAR-2020	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796
1041	POP 05-MAR-2019 TO 04-MAR-2020	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796
1060	POP 05-MAR-2019 TO 04-MAR-2020	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796
1080	POP 05-MAR-2019 TO 04-MAR-2020	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796
108001	N/A	N/A	N/A	N/A
7990	POP 05-MAR-2019 TO 04-MAR-2020	N/A	MISSILE DEFENSE AGENCY (MDA) (b)(6) MDA INTEGRATION & OPS CTR (MDIOC) CONTRACT MANAGEMENT 730 IRWIN AVENUE SCHRIEVER AFB CO 80912-7300 (b)(6) FOB: Destination	HQ0796

7991	POP 05-MAR-2019 TO 04-MAR-2020	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0796
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Section G - Contract Administration Data

LIMITATION OF FUNDS

LIMITATION OF FUNDS

Pursuant to the "Limitation of Funds" clause (FAR 52.232-22). The total sum presently available for payment by the Government and allotted each contract line item is:

CLIN 1000: (b)(4)  
 CLIN 1040: (b)(4)  
 CLIN 1060: (b)(4)  
 CLIN 1080: (b)(4)  
 CLIN 1001: (b)(4)  
 CLIN 1041: (b)(4)

Total: (b)(4)

Based on the information available to the Government, this amount will cover costs associated with:

CLIN 1000: through 5 May 2019  
 CLIN 1040: TBD  
 CLIN 1060: TBD  
 CLIN 1080: through 15 January 2020  
 CLIN 1001: TBD  
 CLIN 1041: TBD

The contractor shall invoice all CLINs in accordance with DFAR 252.232-7006, Wide Area Workflow Payment Instructions (DEC 2018).

ACCOUNTING AND APPROPRIATION DATA

AA: 044411-097-04000000 N 20192020 D 2500 YF\_ST04P\_FY19 DT-GIRES-FY1920 71 DT 255  
 AMOUNT: (b)(4)

AB: 044411-097-04000000 N 20182019 D 2520 YF\_ST04P\_FY18 DT-CIRES-FY1819 71 DT 310  
 AMOUNT: (b)(4)

ACRN	CLIN/SLIN	CIN	AMOUNT
AA	100001	HQ0147967979000101	(b)(4)
	100002	HQ01479696360001	
AB	108001	HQ01479696340001	

PRICED PROSPECTIVE WORK PKGS

PRICED PROSPECTIVE WORK PACKAGES

Priced Prospective Work Packages (PPWPs) represent potential requirements included in this PWS that are priced and negotiated but not yet awarded. The PPWP may be awarded/executed in accordance with clause H-03, Task Orders at a later date with a bilateral modification to the task order if/when the requirement is ultimately needed and funded. The PPWPs negotiated to date are included in Attachment 2 to the Task Order. The below referenced PPWPs have been executed:

TBD

BILLING INSTRUCTIONS

Payments for CLINs 1000, 1040, 1060, 1080, 1001, 1041, 1061, 1700, 1740, and 1760 will be made in accordance with FAR 52.216-7, Allowable Cost and Payment. Payments and the fee payable under the task order are subject to adjustments in accordance with FAR 52.216.10, Incentive Fee, and performance assessments conducted in accordance with the IRES Performance Evaluation and Incentive Plan (Attachment J-06).

(b)(4) In accordance with FAR 52.216-10(c)(1), the Contractor is authorized to bill fee by contract line item number (CLIN) not to exceed the following: [REDACTED] x (cost billed against the CLIN to date, including this voucher). Overbilling of fee as a result of this change in the billing instructions shall not be refunded to the Government, unless the overbilling cannot be corrected any other way. Instead, fee shall not be billed until the contractor is no longer in an overbilling status. The Contractor shall show the fee calculation by line item on each voucher. All task order CPIF CLINs are combined and considered a single entity for the purpose of administering the cost and performance incentives identified in the IRES PEIP (Contract Attachment J-06).

WAWF email notifications. In accordance with 252.2327006, the Contractor shall enter the following email addresses in the "Send Additional Email Notifications" field of WAWF once a document is submitted in the system:

CLIN 7990 (b)(6)  
CLIN 7991 [REDACTED]

Section I - Contract Clauses

CLAUSES INCORPORATED BY REFERENCE

52.232-22	Limitation Of Funds	APR 1984
252.211-7003	Item Unique Identification and Valuation	MAR 2016
252.232-7003	Electronic Submission of Payment Requests and Receiving Reports	DEC 2018
252.232-7006	Wide Area WorkFlow Payment Instructions	DEC 2018

Section J - List of Documents, Exhibits and Other Attachments

Exhibit/Attachment Table of Contents

DOCUMENT TYPE	DESCRIPTION	PAGES	DATE
Attachment 1	PWS	39	26-FEB-2019
Attachment 2	PPWP List	1	01-MAR-2019

**Missile Defense Agency**  
**Integrated Research & Development for Enterprise Solutions (IRES)**

**PERFORMANCE WORK STATEMENT**

**28 Feb 2019**

**Contract Number:**

**HQ079617D0001**

**Task Order Title:**

**BMDS Ground Test Operations and Test Resources**

**Task Order Number:**

**HQ079619F9700**

**Period of Performance:**

**5 March 2019 – 4 March 2020**

**Task Order Type: CPIF**

<b>Task Order Revision History</b>
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Rev	Description of Changes	Date
0	Contract Award	28 Feb 2019

## 1.0. Purpose

Provide for the Planning and Execution of the Ballistic Missile Defense System (BMDS) Ground Tests (GT) using Hardware in the Loop (HWIL) Labs, actual Operational Systems as well as System Pre-Mission Tests (SPMT) in support of future Flight Tests.

- Plan, design, integrate, and execute BMDS Integrated Master Test Plan (IMTP) Campaign GT, SPMT, and rapid response test events.
  - HWIL tests are planned, integrated and executed out of Huntsville, Alabama
  - Distributed (and HWIL as directed) tests are planned, integrated and executed out of Colorado Springs, Colorado
- Provide a rapid response capability for emerging ground test requirements and test infrastructure capabilities.

Provide transparent and seamless sustainment support to test related infrastructure at the Missile Defense Integration and Operations Center (MDIOC). Provides the resources, expertise, information systems, applications software, and communication networks to sustain MDA test infrastructure in the development of an integrated, global BMDS to include the following:

- BMDS Laboratory (Lab) for Analysis and Data Evaluation (BMDS FLIGHT TEST FACILITY)
- BMDS Ground Test Center (BGTC)
- BMDS facilities utilized by MDA/DT personnel residing at or deploying to the MDIOC to include rooms within the 2100, 3200, 3300 or 3400 Quads
- Ground and Flight Test Information Technology (IT), to include hardware and product tools
- Ground and Flight Test communications, to include Wide Area Network (WAN) and Local Area Network (LAN) connectivity
- DTR Event Enclave (DTREE)
- Allied Integration Enclave (AIE)
- BMDS Modeling and Simulation Enclave MDIOC 1 (BME-M1)
- Video recording and distribution system
- BMDS organizational infrastructure for personnel workspace and conference areas
- Test Support Systems (TSS) Hub Center
- Network System Integration and Test Environment (NSITE)
- Flight Test Communication Network (FTCN)
- Test Data Analysis Network (TDAN)
- Mission Control Center (MCC) Facility (MCCF)—MCC-A, MCC-B, MCC-T
  - Test Execution Rooms (A/B)
  - Engineering Support Center (ESC)
  - Test Overflow Room
- Test Mission Control Enclave (TMCE)

## 2.0. Background

This Task Order is a follow-on to the IRES Task Order listed below.

- IRES TO HQ07918F9700 BMDS Ground Test Operations and Test Resources

This TO will follow the System Engineering and Integration requirements identified in the IRES Systems Engineering and Program Integration (SE&PI) TO.

## 3.0. Scope

Provide BMDS system ground test support to include planning, designing, execution, and post event activities for MDA IMTP campaign ground tests, and SPMTs. Also included are strategic planning support for ground test events outside the year of execution, strategic planning initiatives to include the new Ground Test Program. MDA ground test events are planned and scheduled as specified in the Integrated Master Test Plan.

Sustains the following MDA test related infrastructure at the MDIOC.

- BMDS Laboratory (Lab) for Analysis and Data Evaluation (BMDS FLIGHT TEST FACILITY)
- BMDS Flight Test Resources
- BMDS Ground Test Center (BGTC)

## 4.0. Service Summary Items

In accordance with the IRES Performance Evaluation and Incentive Plan, Service Summary Items (SSIs) 1 through 4 are common [required] on all task orders and will be assessed at the contract level (i.e., all task orders will receive the same rating – one fail all fail model).

SSI 5 – 8 identified below captures the specific task order Service Summary Items deemed essential to successful execution of the task order.

SSI Definition	
Name	(b)(4)
Identifier	
Definition	
Measurable Concept	
Questions Addressed	
Baseline Measure	

	(b)(4)
Technical Performance Measures	
Notes	

SSI Definition	
Name	(b)(4)
Identifier	
Definition	
Measurable Concept	
Questions Addressed	
Baseline Measure	

	(b)(4)
Technical Performance Measures	
Notes	
(b)(4)	

(b)(4)



SSI Definition	
<b>Name</b>	(b)(4)
<b>Identifier</b>	
<b>Definition</b>	
<b>Measurable Concept</b>	
<b>Questions Addressed</b>	
<b>Baseline Measure</b>	
<b>Technical Performance Measures</b>	
<b>Notes</b>	

SSI Definition	
<b>Name</b>	(b)(4)
<b>Identifier</b>	
<b>Definition</b>	

	(b)(4)
<b>Measurable Concept</b>	
<b>Questions Addressed</b>	
<b>Baseline Measure</b>	
<b>Technical Performance Measures</b>	
<b>Notes</b>	

<b>SSI#8 Incident Request Response Times</b>
(b)(4)

#### **5.0. Contract Deliverable Requirements List (CDRL)**

The point of delivery for all CDRL products, except as noted in Exhibit C, is the MDA E-CaRT system. The contractor shall deliver all such products by saving and profiling them in E-CaRT, with the appropriate notification of delivery letter transmitted electronically to the Government's Data Management Office. Reference Exhibit C for specific CDRL delivery instructions.

## 5.1. CDRL Identification

Task	CDRL	DID	Title	Description
10.1.1.1.	C001	DI-MGMT-81861A/T	TO HQ079619F9700: Integrated Program Management Report	Contains data for measuring cost and schedule performance. The IPMR is structured around seven formats that contain the content and relationships required for the electronic submissions.
10.1.1.2.	C002	DI-MISC-80508B/T	TO HQ079619F9700: Task Order Status Report, [month ending]	Provides significant accomplishments, issues, concerns, lessons learned, and risks associated with the task order.
Reserved	C003			
10.3.1.10.	C004	DI-MISC-80508B/T	TO HQ079619F9700: As-Run Test Event Test Master Schedule (TMS)	A baselined TMS that is initiated after iETT Kickoff meeting.
10.3.1.16.	C005	DI-MISC-80508B/T	TO HQ079619F9700: As-Run Detailed Test Plan (DTP)	Provides an unclassified overview of the entire test event, and identifies any limitations in the event architecture that will limit the achievement of objectives.
10.5.1.7.	C006	DI-MISC-80508B/T	TO HQ079619F9700: Flash Report	Details final developmental and operational test runs execution status. Highlights Warfighter support, initial observations, and first-use of assets, software, and hardware in a distributed ground test event.
10.5.1.8.	C007	DI-MISC-80508B/T	TO HQ079619F9700: As-run ATC	Document contains changes from the last approved ATC to include test objectives, planned test participants, additional test components, system-under-test overview, test support positions, system pre-mission test, planned test configuration data link network, and change log.
10.5.1.10.	C009	DI-MISC-80508B/T	TO HQ079619F9700:	Describes tasks or items that are verified and confirmed, by all test-event participating Elements and

Task	CDRL	DID	Title	Description
			As-Run Test Procedures (TPs)	on-console operators, to ensure successful test event execution according to the IMS and event budget. Includes pre-test runs, test runs, and post-test runs activities.
10.5.1.11.	C010	DI-MISC-80508B/T	TO HQ079619F9700: As-Run Test Certification Packages (TCPs)	Includes the As-Run Operational Test Execution Center (OPRTEC) and As-Run Shared Services TCPs. The As-Run OPRTEC TCP certifies the OPRTEC configuration used to support test event execution. The As-Run Shared Services TCP certifies the Shared Services configuration used to support test event execution.
10.8.1.4. 10.9.4.2. 10.10.4.2. 10.11.4.2.	C012	DI-MISC-80508B/T	TO HQ079619F9700: [Insert Activity Number and Event or Project Title]: Baseline Engineering Documentation	This CDRL contains engineering documentation which potentially includes some or all of the following components: Slide Package, DoDAF Artifacts, Rack Elevation drawings, CONOPS, and Requirements Traceability Matrix (RTM), Version Description Documents, and Floor Plans.
10.9.3.1. 10.10.3.1. 10.11.3.1.	C013	DI-MISC 80508B/T	TO HQ079619F9700: Maintenance & Spare Report	Identifies type, location, and frequency of recurring sustainment activities, the sparing methodology used in establishing a "Recommended Spares Requirement List", and the identification of licensing, maintenance agreements, and renewal documentation of hardware and software assets.
10.9.3.2. 10.10.3.2. 10.11.3.2.	C014	DI-MISC 80508B/T	TO HQ079619F9700: Operational Support Documents: Technology Refresh Plan	The Technology Refresh Plan takes into account the formally documented current state of the hardware necessary to execute business functions, deliver services, and maintain the logical relationships between customers, partners, and suppliers. Primarily,

Task	CDRL	DID	Title	Description
				this superset will contain the system architecture, the storage architecture, and the network architecture across the DT Enclaves.
10.12.1.	C015	DI-MISC-80508B/T	HQ079619F9700: Assessment and Authorization Documentation	This CDRL contains the documentation required to support C&A activities: Risk Management Framework (RMF) Packages, FISMA Report, DITPR Report, Vulnerability Scan and Compliance Reports, Accreditation Boundaries Report, Boundary Protection Configurations, BMDS RMF Comprehensive Package, DR/COOP IT Quarterly Tabletop and Annual Exercise Scenarios/Test Plan Packages generated under this TO.

## 5.2. CDRL Tailoring

The DD Form 1423 associated with each CDRL is attached in the following document, Attachment 01.



19F9700 Exhibit  
C.pdf

## 6.0. Milestones

Task	Activity	Date / Days After Contract (DAC)
Multiple	Event Milestones	Referenced in the IMTP, GT Concept of Operations (CONOPS), and new Ground Test Program
10.1.	Baseline Review	28 June 2018

## 7.0. Government Property

7.1. TBD

7.2. In addition, the government will provide the following.

- Single Stimulation Framework (SSF) Interface Units (SIU) used in Ground Test

- Cross Domain Solutions
- Network System Integration and Test Environment (NSITE)

## 8.0. Special Requirements

In addition to the Special Requirements identified in IRES Contract SOO, paragraph 7.0, the following are applicable to this task order:

This task order shall be executed in accordance with the MDA security classification guidance up to the classification level of SECRET with Formerly Restricted Data (FRD) handling requirements and NATO SECRET. This task order also requires appropriately cleared individuals to execute mission-essential activities for Outside the Continental United States (OCONUS) GTDs that require access to information classified up to and including Top Secret (TS)/Sensitive Compartmented Information (SCI). A limited number of appropriately cleared positions are required to monitor ground test events and provide appropriate analysis to MDA Director and the Warfighter community for subsequent fielding decisions.

Contractor work efforts for this Task Order resides in both Redstone Arsenal (Huntsville, AL) and MDIOC (Colorado Spring, CO). Planning, integration, execution, and mission assurance efforts will be required in both locations. Planning, integration, execution, and mission assurance efforts for Distributed, HWIL, SPMT and Rapid Response events will occur out of the MDIOC test facility and Huntsville, AL as directed by the government. During specific mission execution periods, the contractor shall provide System Interface Unit (SIU) Operators in COS to supplement event on console operations for HWIL events executed out of Huntsville, AL.

## 9.0. Applicable Directives / Regulations

In addition to the directives and regulations identified in the IRES Contract SOO, paragraph 8.0, the following are applicable to this task order:

Table 9. Applicable Directives/Regulations			
Title	Originator	Date (MM/DD/YYYY)	Version
Executive Director Memorandum, "Updated Safety Risk Acceptance Authority"	MDA/DX	5/7/2007	Final
MDA Directive 3200.06, Missile Defense Test Data/Information Management	MDA	11/6/2013	Final
MDA Directive 3000.11, Test Policy	MDA/D	1/15/2015	Final
MDA Instruction 3000.07, BMDS Ground Test CONOPS	MDA/DX	8/07/2017	Final
Ground Test Lessons Learned Memo	MDA/DTG	9/30/2015	Final
Integrated Master Test Plan (IMTP)	MDA	x/xx/2017	Version 19.0

<b>Table 9. Applicable Directives/Regulations</b>			
<b>Title</b>	<b>Originator</b>	<b>Date (MM/DD/YYYY)</b>	<b>Version</b>
Ground Test Executive Review Meeting Minutes Memorandum	MDA/DTG	9/30/2016	Final
Ground Test End of Day Report and Distribution Standard Operating Procedure	MDA/DTG	10/25/2016	Final
Identification, Handling, and Mitigation of Risk Associated with the Execution of BMD Ground Test Standard Operating Procedure	MDA/DTG	10/25/2016	Final
Ballistic Missile Defense System Ground Test Lessons Learned Management Team Guidelines	MDA/DTG	11/18/2016	Final
Change Control Board (CCB) Standard Operating Procedure	MDA/DTG	3/1/2017	Final
Ground Test After Action Review Memorandum	MDA/DTG	10/31/2017	Final
Ground Test Program	MDA/DX	TBD	Final

## **10.0. Statement of Objectives and Outcomes**

### **10.1. Task Order Administration**

This portion of this PWS contains structure, objectives and outcomes with respect to the administration of the Task Order. This PWS element represents the work required to administer the Task Order and the Enterprise Support of the Task Order's work and resources. For this Task Order, work is estimated at this level in the PWS (10.1, 10.2, 10.3, etc.).

#### **10.1.1. Task Order Management**

This PWS element represents the work specifically required to support the management of requirements of the overall Task Order, which includes all reporting, briefings, awards, modifications, SSIs, etc.

##### **10.1.1.1. Stakeholder Technical Integration Management (STIM) and Systems Engineering and Integration (SEI) Management**

**Objective #1:** The contractor shall provide the resources and information to communicate and manage Task Order performance.

**Outcomes:**

- Provide a single POC responsible for managing the cost, schedule, risk, and technical performance of the TO.

- Provide a single POC to serve as a liaison to the COTR or Assistant COTR (ACOTR) who is responsible for providing insight on TO performance.
- TO activities are managed in accordance with the IRES Program Management Plan (CDRL TO8002 C008).
- All TO requirements are identified, managed, validated, and verified in accordance with the contractor's IRES Systems Engineering Master Plan.
- A common Enterprise Architecture vision is implemented IRES-wide to support MDA "to-be" architectures, including the identification of gaps and lessons learned.

Objective #2: The contractor shall provide task order reporting to accurately monitor status in accordance with CDRL and Milestone requirements.

Outcomes:

- IPMR and Task Order Status Report (TOSR) for the TO are delivered per CDRL requirements.
- A Baseline Review of the TO is performed within 90 days of TO award.
- TO status (e.g., technical, cost, schedule) is reported to the COTR on a monthly basis in accordance with CDRL requirements.
- TO status includes cost and schedule performance by WBS and IRES organization structure; significant accomplishments; customer concerns or issues; TO risks and mitigation status; performance against the IRES contract, SE&PI, and TO SSIs; achievements relative to the utilization goals in the contractor's Small Business Participation and Commitment Plan; quality assurance reviews, audit results, and non-conformance finding closure reports; and safety information.
- TO performance trends are identified, tracked, and shared with the COTR, ACOTR, and applicable government stakeholders.
  - Milestone: Baseline Review
  - CDRL C001: Integrated Program Management Report
  - CDRL C002: Task Order Status Report

#### 10.1.1.2. Responsible Organization Management

Objective #1: The contractor shall provide qualified personnel and manage personnel issues to perform TO activities.

Outcomes:

- The workforce is managed efficiently, mitigating workforce surge and drawdown impacts, analyzing workforce trends, and forecasting workforce needs IRES-wide.
- A trained and qualified workforce is maintained that is able to perform the functions necessary to operate, support, and sustain those facilities and systems identified in the PWS.

Objective #2: The contractor shall maintain accountability of all property under its control and provide reporting to ensure government situational awareness of property status.

Outcomes:

- A Material Inspection and Receiving Report is submitted as required by DFARS 252.246-7000 for the delivery of all CAP classified as Equipment, Special Test Equipment, and Special Tooling by using the Invoicing, Receipt, Acceptance, and Property Transfer (iRAPT) application in the Wide Area Workflow (WAWF) e-Business Suite in accordance with the instructions provided in the CLIN 7991.

#### 10.1.1.3. Administrative Support

Objective #1: The contractor shall provide resources to manage the contractual requirements, and provide financial oversight and performance tracking for the task order.

Outcomes:

- Task Order financial management activities ensure that task order reporting accurately reflects the current state of TO financial performance and status.
- TO contractual deliverables are provided within the agreed to schedule, in the correct formats and to a high level of quality.

#### 10.1.2 Objective: Enterprise Task Order Support

This PWS element represents the work of enterprise support to the Task Order's work and resources.

##### 10.1.2.1. Enterprise Management

Objective #1: The contractor shall provide the resources and data to enable enterprise management of this task order for human resources, business/finance, and JEMS in support of integration.

Outcomes:

- IPMR and TO status report for the TO are delivered per CDRL requirements.
- TO status (e.g., technical, cost, schedule) is reported to the COTR on a monthly basis in accordance with CDRL requirements.
- MDA customers and stakeholders have on-demand access to a TO status report dashboard.
- TO export control requirements are managed to comply with DoD and MDA requirements, including International Traffic in Arms Regulations (ITAR) (22 CFR 120-130) and Technical Assistance Agreements processes as required.
- Any individuals requiring access to Government information technology systems have completed Information Assurance Awareness training.

- Personnel performing information assurance functions on national security systems meet the Committee on National Security Systems training requirements.

#### 10.1.2.2. Mission and Performance Assurance

**Objective #1:** The contractor shall perform System Engineering functions to ensure the products and services provided under this TO utilize established Systems Engineering practices that are standardized across the IRES contract in support of the MDA mission.

Outcomes:

- Deliver an Integrated Master Schedule (IMS), in accordance with Integrated Program Management Report (IPMR) requirements, using the contractor's JEMS Portal.
- The TO IMS is integrated into the contractor's IRES Integrated Schedule (IIS).
- Systems Integration requirements and capabilities gaps, lessons learned, and a common MDIOC system vision are integrated enterprise-wide.
- Critical assets are managed, to include conflict forecasting and de-confliction, across the IRES enterprise.

**Objective #2:** The contractor shall track, manage and report on TO performance measures, including metrics, lessons learned and accomplishments.

Outcomes:

- Based on TO performance trends, periodic audits of task estimates are performed, TO risks are tracked, and schedule accuracy is evaluated.
- All TO CDRLs are delivered on time and with accurate information.
- Customer satisfaction with the services and products delivered in this TO is solicited and tracked.
- TO performance is continuously evaluated and improved using objective performance measures.
- TO lessons learned, best practices, and accomplishments are collected and shared with the COTR, ACOTR, other government stakeholders, and IRES workforce.

**Objective #3:** The contractor shall incorporate Mission Assurance activities into all TO tasks in support of the MDA mission.

Outcomes:

- TO asset configurations are managed in accordance with the IRES Configuration Management Plan (CDRL TO8002 C022).
- TO risks are managed in accordance with the IRES Risk Management Plan (CDRL TO8002 C021).

- The quality of TO activities is assured in accordance with the Quality Assurance Program Plan (CDRL TO8002 C020).
- TO supplies are purchased in accordance with the IRES Supply Chain Risk Management Plan, including the development of a supply chain map and authorized suppliers list for critical systems.

Objective #4: The contractor shall provide information security, physical security, export control and cybersecurity training and processes in accordance with federal, DoD and agency requirements to safeguard the conduct of the MDA mission through the IRES contract.

Outcomes:

- MDA-identified Critical Program Information (CPI) and Critical Technologies (CT) are protected to the standards required in DoDI 5200.39.
- TO cybersecurity risks are managed in accordance with the Cybersecurity Risk Management Plan (CDRL TO8002 C016).
- All Controlled Unclassified Information is protected from unauthorized access, disclosure, incident, or compromise.
- All contractor-managed TO systems maintain System Authorization in accordance with DoDI 8510.01, Risk Management Framework.
- Cybersecurity requirements and considerations are integrated into TO systems engineering, design, and risk management processes.
- All contractor-managed TO systems are operated in accordance with cybersecurity requirements.
- Security administration is provided to comply with applicable DoD, MDA, and local security directives, policies, procedures, and instructions for physical security and for the safeguarding of BMDS controlled and classified information, to include proper document marking, classification, storage, accountability, transmittal, and destruction.
- Personnel requiring privileged access maintain appropriate computing environment certifications for the operating system(s) and/or security related tools/devices they support or operate.

Objective #5: The contractor shall promote and enforce safe and sustainable work practices to prevent personnel injury, damage to property or harm to the environment.

Outcomes:

- TO activities are performed in accordance with the Mishap Prevention and Safety Plan (CDRL TO8002 C024) to prevent personnel injury and property damage.
- TO activities are performed in accordance with the Environmental Program Plan (CDRL TO8002 C023) to prevent harm to the environment and maximize sustainable practices.

#### 10.1.2.3. Functional Management and Administrative Support

Objective #1: The contractor shall provide a functional management oversight structure to lead, manage and assign resources within their organization.

Outcomes:

- The Event and Warfighter Support (EWS) Director leads and manages the department to meet IRES and its applicable Task Orders' requirements.
- The EWS Director delivers IRES products and services that include the correct people, processes, and tools to meet mission requirements.
- The EWS Director tactically allocates and strategically forecasts resources within EWS and its applicable Task Orders to ensure the sustainment, renewal, and growth of the technical expertise within the department that meets current and future requirements.
- The EWS Director mentors and oversees the execution of event engineering, asset operations and sustainment, systems integration, and analysis to ensure the technical success of each Task Order within the department.

Objective #2: The contractor shall provide functional administrative and management support as required to communicate and deliver enterprise integration.

Outcomes:

- The EWS Department provides training, certifications, and support the career growth of each employee within the department.
- The EWS Department develops, standardizes, and deploys processes for event engineering, asset operations and sustainment, systems integration, and analysis.

#### 10.1.3. Objective: Task Order Award and Modification

Objective #1: The contractor shall provide the resources and data to provide timely and accurate proposals to government requirements for proposal and other contract modification actions.

## 10.2. Strategic Planning

10.2.1. Objective: The contractor shall engage in planning and implementation of the new Ground Test Program.

Outcome:

10.2.1.1. Provide technical inputs into the implementation of the new Ground Test Program to include: development, resource management requirements, and process development.

10.2.2. Objective: The contractor shall engage in long-term strategic planning for ground test initiatives.

Outcome:

10.2.2.1. Provide technical inputs to long-term strategic initiatives for the BMDS ground test mission to include Ground Test requirements for the future Combined Test Center building, network improvement initiatives and near and long-term ground test process improvements.

### 10.3. Test Planning

Assist in the implementation of BMDS Test Policy (MDA Directive 3002.03) by providing test event planning for Distributed and HWIL system level ground tests, SPMT and Rapid Response Sprint Events.

10.3.1. Objective: Event Planning. The contractor shall assist with detailed event planning and coordination of all BMDS HWIL and Distributed ground tests under direction of the government. The contractor shall provide initial draft documentation, assist with external stakeholder coordination, and assist with the integration of products and requirements across the test event life cycle (Phases 1–4) in accordance with the BMDS Ground Test CONOPS and the new Ground Test Program.

Outcomes:

- Coordinate scheduling of the OPRTEC, DTEC, and other DTG managed facilities for test execution periods.
- Develop and maintain the System Under Test (SUT) configuration.
- Review and provide inputs to other critical test event documentation (i.e., Analysis Execution Plan (AEP), DHP, IDMP, and TO Memo) developed by non-IRES contract stakeholders.
- Conduct Asset Management through the BMDS Operations Schedule Weekly Activity (BOSWAM). **(Distributed Events Only)**
- Develop the TADIL Systems Operational Test (TSOT) ensuring that all tactical digital links are active and configured IAW the OPTASKLINK. **(Distributed Events Only)**
- Provide technical input and comments to the Executive-Level Briefs to include pre-briefs.
- Provide technical input and comments to the Executive-Level Brief review minutes.
- Review, comment and coordinate on test objectives and scenario development.
- Develop and document event architecture in accordance with TO Memo.
- Develop and maintain a detailed test event TMS throughout all phases of the test event in order to outline all necessary milestones, activities, and critical paths in accordance with

the GAO Schedule Assessment Guide (GAO-12-120G, May 2012). Updates shall be provided at least monthly for the IETT Meetings.

- CDRL C004: TO HQ079619F9700: As-Run Test Event TMS
  - Support weekly/bi-weekly Event Status Meetings.
  - Support monthly IETT Meetings.
  - Gain approval of the MDA/IC event freeze request.
  - Develop and manage the ATC.
  - Develop and coordinate the event architecture to include test case specific and over-arching event architectures and documentation, including cross-domain solution (CDS) considerations.
  - Develop, coordinate, and deliver the As-Run Detailed Test Plan (DTP).
    - CDRL C005: TO HQ079619F9700: As-Run DTP
- CDRL C009: TO HQ09619F9700: As-Run Test Procedures
  - Develop, coordinate and maintain the OPTASKLINK. Define the parameters needed for each Link 16 participant to connect and share information with other test participants, including CDS considerations.
  - In accordance with MDA/DTG's Change Control Board (CCB) SOP, assist Mission Director (MD) and Systems Mission Manager (SMM) by providing preliminary results, scheduling, and implementing the Change Request (CR) process.

#### **10.4. Test Integration**

Assist in the implementation of BMDS Test Policy (MDA Directive 3002.03) by providing integration testing for Distributed and HWIL system level ground tests, SPMTs and Rapid Response Events.

10.4.1. Objective: The contractor shall provide operator and on-site coordinators to support or conduct integration testing, as requested by the government. In addition, the contractor shall provide technical input to the daily run matrix and end of day Hot Wash.

Outcomes:

- 10.4.1.1. Provide operators and on-site coordinators to perform TCI and Event Architecture Certification (EAC) with event test cases.

10.4.1.2. Provide operators and on-site coordinators to perform Phase IIA and Phase IIB Testing with event test cases. **(NORTHCOM/INDOPACOM HWIL Events Only).**

10.4.1.3. Provide technical input to the daily run matrix during MDA/DT EAC.

## **10.5. Test Execution**

Assist in the implementation of BMDS Test Policy (MDA Directive 3002.03) by providing event execution for Distributed and HWIL system level ground tests, SPMTs and Rapid Response Events.

10.5.1. Objective: Test Execution. The contractor shall provide operators during Dry Runs and Runs-for-Record testing under the direction of the Government.

Outcomes:

10.5.1.1. Provide operators for on-console operations in the Advanced Research Center (ARC) and Ballistic Missile Defense System Ground Test Center Missile Defense System Ground Test Center (BGTC).

10.5.1.2. Provide operators for on-console operations in the BGTC.

10.5.1.3. Provide necessary test controller and SIU operators.

10.5.1.4. Control access to the MDIOC test facilities.

10.5.1.5. Provide technical input to the daily run matrix.

10.5.1.6. Provide technical input to the EOD Summary, end of day Hot Wash, and daily tag-up.

10.5.1.7. Generate a Flash Report detailing final execution status.

- CDRL C006: TO HQ079619F9700: Flash Report

10.5.1.8. Develop and coordinate an As-Run ATC based on additional or changed information from stakeholders. This document shall include the final event architecture.

- CDRL C007: TO HQ079619F9700: As-Run ATC

10.5.1.9. Develop and deliver the As-Run TPs based upon final test case configurations executed in the event.

- CDRL C009: TO HQ079619F9700: As-Run TPs

10.5.1.10. Develop and deliver the As-Run OPRTEC and Shared Services TCPs executed in the event.

- CDRL C010: TO HQ079619F9700: As-Run OPRTEC and Shared Services TCPs

## **10.6. Test Mission Assurance**

Assist in the implementation of BMDS Test Policy (MDA Directive 3002.03) by providing event Mission Assurance for Distributed and HWIL system level ground tests, SPMTs, and Rapid Response Events.

10.6.1. Objective: Test Mission Assurance. The contractor shall ensure the event has an Interim Approval to Test (IATT) and provide test event-specific configuration control. The contractor shall ensure Risk, Lessons Learned, and System Test Observation processes are implemented throughout the lifecycle of the event.

Outcomes:

10.6.1.1. Develop and coordinate the Event Cybersecurity Plan (ECsP).

10.6.1.2. Manage the event configuration of BGTC.

10.6.1.3. Provide and monitor seals for assets defined on the Critical Asset List (CAL) at MDIOC and other asset locations under control of the Work Screening Team (WST).

10.6.1.4. Provide the OPRTEC/DTEC and Shared Services Test Configuration Package (TCP) for the BGTC.

10.6.1.5. Provide technical input in accordance with MDA/DTG Risk, System Test Observations, and Lessons Learned processes.

10.6.1.6. Provide technical input to the MDA/DTG Risk Management process to include identification and documentation of event risks, development and tracking of mitigation strategies.

## **10.7. Reserved**

## **10.8. Test Infrastructure Rapid Response**

The purpose of this task is to provide rapid response capabilities for test infrastructure capabilities. Each project shall be defined through a Mission Support Task (MST). After the MST is issued, the contractor shall provide an engineering estimate, engineering artifacts, and implementation plan to the COTR as outlined in the MST. Upon stakeholder agreement, the Contracting Officer will provide an authority to proceed for the contractor to execute and complete the project. The contractor shall establish a discrete work package for each MST. All MSTs will be identified in the PWS at 10.8.2 thru "n" and added to Attachment 1 to the PWS. The Task Change Requirement (TCR) process shall be followed when there is a need to document and communicate a potential cost, schedule, or requirements change to the MST.

10.8.1. Objective: The contractor shall implement upgrades, enhancements, reconfigurations, and surge tasking as directed in the MST.

Outcomes:

10.8.1.1. Provide customer coordination and communications and respond to requests for information and problem resolution.

10.8.1.2. Initiate requirements planning activities. Plan and develop sequenced, resource-loaded schedules. Provide a Requirements Traceability Matrix type document.

10.8.1.3. Develop design solutions and conduct design reviews for government approval.

10.8.1.4. Develop, maintain, and coordinate technical documentation to include Technical Data Packages, engineering drawings, and interface control specifications for existing systems that require documentation or as a result of newly developed and/or modified systems.

- CDRL C012: TO HQ079619F9700: Baseline Engineering Documentation

10.8.1.5. Complete project close out activities.

10.8.1.6. Provide all closeout documentation to include a project summary, the final resource-loaded schedule, and an element of cost summary for each project.

#### **Priced Prospective Work Packages (PPWPs)**

10.8.1.7. Execute an additional rapid response activity that requires a mixture of high labor and minor IT requirements. This PPWP may be executed up to 10 times.

10.8.1.8. Execute an additional rapid response activity that requires a mixture of low labor and high IT requirements. This PPWP may be executed up to 10 times.

10.8.1.9. Execute an additional rapid response activity that requires an equal mix of labor and IT requirements. This PPWP may be executed up to 10 times.

### **10.9. BMDS Lab for Analysis and Data Evaluation (BLADE) Mission and Infrastructure**

10.9.1. Objective: Scheduling. The contractor shall facilitate the reporting and scheduling of facility maintenance, inspection, and cleaning requirements that are performed under other IRES task orders or MDIOC contracts.

#### **Outcomes:**

10.9.1.1. Coordinate, facilitate, and provide access to the BLADE for personnel not permanently authorized within the BLADE, for facility inspections, cleaning crews, VIP visits, project-related visits and inventory activities.

10.9.1.2. Coordinate across other IRES task orders and with vendors and other government customers to facilitate the facility and IT work schedules with the stakeholders for activities that occur in the BLADE mission space boundaries that are not defined within the scope of this task order.

10.9.2. Objective: Security Management. The contractor shall perform security management functions to ensure compliance with MDIOC, MDA, and DoD standards.

Outcomes:

10.9.2.1. Manage access control to controlled areas within the BLADE.

10.9.2.2. Manage and process incoming and outgoing Visit Authorization Requests.

10.9.2.3. Maintain and manage open storage certification requirements. Provide guidance to occupants on the Security Classification requirements. Receive, generate, and reproduce classified material up to the SECRET classification.

10.9.2.4. Perform duties as the Security Assistant as defined in the Standard Operating Procedure (SOP). Coordinate for the Security Manager with Missile Defense Agency Security Department (MDA/EIR) Security Personnel of all physical and information security issues and tasks. Develop and maintain SOP documentation in accordance with the standard MDA/EIR procedures.

10.9.3. Objective: Mission Operations and Capability Sustainment. The contractor shall provide services necessary for the sustainment of mission systems and capabilities. Sustainment activities include network management, proactive/corrective maintenance, hardware and software refresh in accordance with government approved refresh plan, break/fix service restoration, system check-out, Install-Move-Add-Change (IMAC) services (scheduling and installation of hardware and software and associated changes to configuration, de-installation, relocation, and testing) that enhance current capabilities without adding new capabilities, and engineering services for the following BLADE assets:

- Computing systems (Automated Data Processing Equipment [ADPE]) hardware and software
- Product Integration Center (PIC)
  - 3303-05 PIC A
  - 3303-04 PIC B
  - 3303-04 PIC C
- Multi-Function Center
- Network System Integration and Test Environment (NSITE) Enclave
- Test Data Analysis Network (TDAN)
- Voice Over Internet Protocol (VoIP) Phones
- Audio Visual (A/V) distribution system

## Outcomes:

**10.9.3.1. Maintain and refresh hardware, software and current capabilities in accordance with industry best maintenance practices ensuring an appropriate mix between inspection, proactive, and corrective maintenance, repair, and replacement to maintain availability of systems, equipment and networks. Document and execute maintenance plans, schedules, and performance expectations. Use system performance and maintenance trending analysis to manage the maintenance program. Develop sparing methodology based upon mission criticality, frequency of use, acquisition lead-time, and vendor support criteria. Monitor approved spare levels and recommend procurement action to replenish stock. Manage and maintain currency on all licensing and update services for third-party software, software drivers, and diagnostic software. Report any lapse in hardware service agreements or software licenses.**

- CDRL C013: Maintenance and Spare Report

**10.9.3.2. Develop criteria for technology refresh of hardware, software, and current capabilities in accordance with industry best practices to ensure availability. Leverage MDA Information Technology (IT) support policy to minimize investments for IT hardware and software above MDA standards. Manage and provide the government with real-time access to a database that conforms to Defense Property Accountability System (DPAS) requirements identifying the location and acquisition details for all BLADE acquired assets. Implement an integrated approach to operate and manage all BLADE hardware and software investments that provides for the continuous identification, selection, control, life-cycle management, and evaluation of the investments in a structured process resulting in a systematic method to maximize investment return and allow predictable budgeting.**

- CDRL C014: Operational Support Documentation: Technology Refresh Plan

**10.9.3.3. Mission Critical Functionality. Maintain continuous situational awareness to anticipate problems and react to prevent or minimize mission degradation to ensure availability of mission functionality during Ground Tests and Flight Tests, from integration testing through completion of test execution. Exhibit agility in response to urgent operational needs and affect management of IT infrastructure and capabilities. Repair activities communicated, initiated, conducted, and completed with minimal impact to missions. Mission Critical Functionalities are listed in the following table.**

Critical Function	Critical Sub Functions	Location
Audio Visual (by event)	a. Event video to specified MDIOC locations b. Event audio to specified MDIOC locations c. VTC system capability in specified MDIOC locations	3200 Quad
Voice Communication (by event)	a. Secure communications capability for specified number of users b. Non-Secure communications capability for specified number of users	3200 Quad

	c. SIPR Chat connectivity for specified number of users d. Clear Com communications capability for specified number of users e. Secure communications cleared for non-US event participants as specified for the event f. Non-secure communications for non-US event participants as specified for the event	
Network Communication	a. Data transfer (send/receive) in accordance with specified event architecture	3200 Quad

Table 10.1 Critical Functions for the BLADE

10.9.3.4. Degradations/failures of systems and IMAC services responded to as outlined in Table 10.2, in order to maintain mission availability. A summary of degradations/failures, to include the incident response times and root-cause analysis annotated in the monthly Task Order Status Review (CDRL C002).

- SSI Measurement of mission critical functions: This is listed as SSI 8 in Appendix X and is the measure the availability of the critical assets during Test Execution that provide the critical functions required for Test Execution

BLADE Operations (Task Order 9700) – Response Time Objectives				
Objective Area	Initial Response	ETR	Situation Report	Action Completed
Recurring Maintenance	As Scheduled	N/A	N/A	As Scheduled
Incident Request (Degradation/Failure)				
- Mission Critical Functionality (Core Hours)	30 min	1 hour	6 hours	24 hours
- Mission Critical Functionality (Non-Core Hours)	2 hours	4 hours	6 hours	24 hours
- Non-Mission Critical Functionality (Core Hours)	8 hours	24 hours	N/A	72 hours
IMAC Services				
- Urgent (Requested during FT) *	N/A	N/A	N/A	8 hours
- Routine (Requested during FT)	N/A	N/A	N/A	1 day
- Routine	N/A	N/A	N/A	14 days
<p>*Note: Urgent is typically defined as support for flag, general officer, SES, and IETT personnel as defined by the government before the event.</p> <p>Mission Critical Functionality Core Hours: Test Execution Event Times  Mission Critical Functionality Non-Core Hours: Non Test Execution Event Times  Non-Mission Critical Functionality Core Hours: 0800-1700  Non-Mission Critical Functionality Non-Core Hours: 1700-0800. Reported the following business day.</p>				

Table 10.2 Recurring Maintenance for BLADE Operations

10.9.3.5. Include the identification, scheduling, coordination, documentation, and execution of services performed under this objective in an on-line centrally managed database that is available to the COTR/ACOTR.

10.9.3.6. Complete/submit/track new software, net-worthiness evaluation requests to MDA Information Assurance, and route software requests per MDA required software management process.

10.9.3.7. Achieve reductions in life-cycle costs of equipment through the use of alternatives in system configurations through the utilization of current technology components, adoption of common equipment to multiple requirements, or the application or the implementation of new approaches to system development and support.

#### **PPWP**

10.9.3.8. Operational enhancements and upgrades. Upgrade, enhance and refresh hardware and software to increase current capabilities above the established baseline. This PPWP can be executed up to 7 times.

10.9.4. Objective. Configuration Management and Asset Control. The Contractor shall provide facility and equipment configuration control and identification and scheduling of test assets during planned events. The contractor shall examine, evaluate, and monitor baseline HW/SW to maintain version control integrity.

#### **Outcomes:**

10.9.4.1. Plan, coordinate and execute freeze waivers through the MDIOC's Work Screening Team.

10.9.4.2. Maintain positive configuration management control for the BLADE areas and its associated, cabling, systems, operating procedures, and assets. Develop and provide baselined systems artifacts (e.g. Interface Control Documents, Network Interface Control Documents, schematic, functional system overlay and architectural drawings compliant with DoDAF v2.0, etc.) that clearly diagram and articulate the system or components performance, function, and physical attributes and functional relation between parts, subsystems, and systems.

- CDRL C012: Baseline Engineering Documentation

10.9.4.3. Maintain conformance to a configuration management/system engineering process to ensure standards are established to control and manage, in optimum condition, system capabilities.

10.9.4.4. Maintain monthly operations schedules of all assets within Ground Test, Flight Test and the BLADE areas.

10.9.4.5. Ensure integration of NSITE into required test event architecture.

## **10.10. BMDS Flight Test Resources**

10.10.1. Objective: Scheduling. The contractor shall facilitate the reporting and scheduling of facility maintenance, inspection, and cleaning requirements that are performed under other IRES task orders.

Outcomes:

10.10.1.1. Coordinate across other IRES task orders and with vendors and other government customers to facilitate the facility and IT work schedule with the stakeholders for activities which occur in the BMDS Flight Test Facility mission space boundaries that is not defined within the scope of this task order.

10.10.1.2. Plan, coordinate, and execute freeze waivers through the MDIOC's Work Screening Team.

10.10.2. Objective: Security Management (not required).

10.10.3. Objective: Mission Operations and Capability Sustainment. The contractor shall provide services necessary for the sustainment of mission systems and capabilities. Sustainment activities include network management, proactive/corrective maintenance, hardware and software refresh, government approved refresh plan, break/fix service restoration, system check-out, IMAC services (scheduling and installation of hardware and software and associated changes to configuration, de-installation, relocation, and testing) that enhance current capabilities without adding new capabilities, and engineering services for the following Flight Test assets and other rooms as assigned/required in support of Flight Tests:

- MCC-T 3401-10
- MCC-A 3404-02
- MCC-B 3401-02
- Test Execution Rooms
  - Pagosa 3101-05
  - Denver 3401-05
- Engineering Support Center (ESC) 3401-03
- 315 (Outer Hall)
- FTCN 3401-11
- TMCE 3401-08

- Video recording and distribution system
- TSS 3410

Outcomes:

10.10.3.1. Maintain and refresh hardware, software and current capabilities in accordance with industry best maintenance practices ensuring an appropriate mix between inspection, proactive, and corrective maintenance, repair, and replacement to maintain availability of systems, equipment and networks. Document and execute maintenance plans, schedules, and performance expectations. Use system performance and maintenance trending analysis to manage the maintenance program. Develop sparing methodology based upon mission criticality, frequency of use, acquisition lead-time, and vendor support criteria. Monitor approved spare levels and recommend procurement action to replenish stock. Manage and maintain currency on all licensing and update services for third-party software, software drivers, and diagnostic software. Report any lapse in hardware service agreements or software licenses.

- CDRL C013: Maintenance and Spare Report

10.10.3.2. Develop criteria for technology refresh of hardware, software, and current capabilities in accordance with industry best practices to ensure availability. Leverage MDA Information Technology (IT) support policy to minimize investments for IT hardware and software above MDA standards. Manage and provide the government with real-time access to a database that conforms to Defense Property Accountability System (DPAS) requirements identifying the location and acquisition details for all Flight Test acquired assets. Implement an integrated approach to operate and manage all Flight Test hardware and software investments that provides for the continuous identification, selection, control, life-cycle management, and evaluation of the investments in a structured process resulting in a systematic method to maximize investment return and allow predictable budgeting.

- CDRL C014: Operational Support Documentation: Annual Technology Refresh Plan

10.10.3.3. Mission Critical Functionality. Maintain continuous situational awareness to anticipate problems and react to prevent or minimize mission degradation to ensure availability of mission functionality during Ground Tests and Flight Tests. Exhibit agility in response to urgent operational needs and affect management of IT infrastructure and capabilities. Repair activities communicated, initiated, conducted, and completed with minimal impact to missions. Mission Critical Functionalities are listed in the following table.

Critical Function	Critical Sub Functions	Location
Audio Visual (by event)	a. Event video to specified MDIOC locations b. Event audio to specified MDIOC locations c. VTC system capability in specified MDIOC locations d. Video recording and distribution system record/playback capabilities	3200 Quad
Voice Communication (by event)	a. Secure communications capability for specified number of users b. Non-Secure communications capability for specified number of users c. SIPR Chat connectivity for specified number of users d. Clear Com communications capability for specified number of users e. Secure communications cleared for non-US event participants as specified for the event f. Non-secure communications for non-US event participants as specified for the event	
Network Communication	a. Data transfer (send/receive) in accordance with specified event architecture	

Table 10.3 Critical Functions for Flight Test

10.10.3.4. Degradations/failures of systems and IMAC services responded to as outlined in Table 10.4, in order to maintain mission availability. A summary of degradations/failures, to include the incident response times and root-cause analysis annotated in the monthly Task Order Status Review (CDRL C002).

Flight Test Operations (Task Order 9700) – Response Time Objectives				
Objective Area	Initial Response	ETR	Situation Report	Action Completed
Recurring Maintenance	As Scheduled	N/A	N/A	As Scheduled
Incident Request (Degradation/Failure)				
- Mission Critical Functionality (Core Hours)	30 min	1 hour	6 hours	24 hours
- Mission Critical Functionality (Non-core Hours)	2 hours	4 hours	6 hours	24 hours
- Non-Mission Critical Functionality (Core Hours)	8 hours	24 hours	N/A	72 hours
IMAC Services				

- Urgent (Requested during FT)*	N/A	N/A	N/A	8 hours
- Routine (Requested during FT)	N/A	N/A	N/A	1 day
- Routine				14 days
<p>*Note: Urgent is typically defined as support for flag, general officer, SES, and IETT personnel as defined by the government before the event.</p> <p>Mission Critical Functionality Core Hours: Test Execution Event Times  Mission Critical Functionality Non-Core Hours: Non-Test Execution Event Times  Non-Mission Critical Functionality Core Hours: 0800-1700  Non-Mission Critical Functionality Non-Core Hours: 1700-0800. Reported the following business day.</p>				

Table 10.4 Recurring Maintenance for Flight Test

10.10.3.5. Include the identification, scheduling, coordination, documentation and execution of services performed under this objective in an on-line centrally managed database that is available to the COTR/ACOTR.

10.10.3.6. Complete/submit/track new software, net-worthiness evaluation requests to MDA Information Assurance, and route software requests per MDA required software management process.

10.10.3.7. Achieve reductions in life-cycle costs of equipment through the use of alternatives in system configurations through the utilization of current technology components, adoption of common equipment to multiple requirements, or the application or the implementation of new approaches to system development and support.

10.10.3.8. Provide Tier II help desk support during Flight Test Execution. Ensure knowledge base maintenance and development enabling first call resolution of help desk calls.

#### **PPWP**

10.10.3.9. Operational enhancements and upgrades. Upgrade, enhance and refresh hardware and software to increase current capabilities above the established baseline. This PPWP can be executed up to 7 times.

10.10.4. Objective: Configuration Management and Asset Control. The Contractor shall provide facility and equipment configuration control and identification and scheduling of test assets during planned events. The contractor shall examine, evaluate, and monitor baseline HW/SW to maintain version control integrity.

#### **Outcomes:**

10.10.4.1. Plan, coordinate, and execute freeze waivers through the MDIOC's Work Screening Team.

10.10.4.2. Maintain positive configuration management control for the BLADE areas and its associated, cabling, systems, operating procedures, and assets. Develop and provide

baselined systems artifacts (e.g. Interface Control Documents, Network Interface Control Documents, schematic, functional system overlay and architectural drawings compliant with DoDAF v2.0, etc.) that clearly diagram and articulate the system or components performance, function, and physical attributes and functional relation between parts, subsystems, and systems.

- CDRL C012: Baseline Engineering Documentation

10.10.4.3. Maintain conformance to a configuration management/system engineering process to ensure standards are established to control and manage, in optimum condition, system capabilities.

10.10.4.4. Maintain monthly operations schedules of all assets within Ground Test, Flight Test and the BLADE areas.

10.10.4.5. Ensure integration of NSITE into required test event architecture.

10.10.4.6. Provide Asset Management, Event Coordination, and Mission Planning support during defined flight test phases as required.

## **10.11. BMDS Ground Test Resources**

10.11.1. Objective: Scheduling. The contractor shall facilitate the reporting and scheduling of facility maintenance, inspection, and cleaning requirements performed under other IRES task orders.

Outcomes:

10.11.1.1. Coordinate, facilitate, and provide access to the BMDS Ground Test Facility for personnel not permanently authorized within the Facility, for facility inspections, cleaning crews, VIP visits, project-related visits and inventory activities.

10.11.1.2. Coordinate across other IRES task orders and with vendors and other government customers to facilitate the facility and IT work schedule with the Stakeholders for activities which occur in the Ground Test mission space boundaries that is not defined within the scope of this task order.

10.11.1.3. Identify and mitigate/de-conflict work that will occur in the BMDS Ground Test Facility mission space boundaries that is not defined within the scope of this task order.

10.11.1.4. Plan, coordinate, and execute freeze waivers through the MDIOC's Work Screening Team.

10.11.1.5. Report to the MDIOC Service Desk when classified and unclassified printers are not operational and facilitate paper and toner replacements.

10.11.1.6. Ensure the "Unclassified Sensitive/FOUO/Proprietary Information" recycle bins are serviced through the MDIOC Service Desk.

10.11.2. Objective: Security Management. The contractor shall perform security management functions to ensure compliance with MDIOC, MDA, and DoD standards.

Outcomes:

10.11.2.1. Manage access control to controlled areas within the BMDS Ground Test Area.

10.11.2.2. Manage and process incoming and outgoing Visit Authorization Requests.

10.11.2.3. Maintain and manage open storage certification requirements. Provide guidance to occupants on the Security Classification requirements. Receive, generate and reproduce classified material up to the SECRET classification.

10.11.2.4. Perform duties as the Security Assistant as defined in the Standard Operating Procedure (SOP). Coordinate for the Security Manager with Missile Defense Agency Security Department (MDA/EIR) Security Personnel of all physical and information security issues and tasks. Develop and maintain SOP documentation in accordance with the standard MDA/EIR procedures.

10.11.2.5. Perform block captain activities in accordance with the latest government direction.

10.11.3. Objective: Mission Operations and Capability Sustainment. The contractor shall provide services necessary for the sustainment of mission systems and capabilities. Sustainment activities include network management, proactive/corrective maintenance, hardware and software refresh, government approved refresh plan, break/fix service restoration, system check-out, IMAC services (scheduling and installation of hardware and software and associated changes to configuration, de-installation, relocation, and testing) that enhance current capabilities without adding new capabilities, and engineering services for the following Ground Test assets:

- DTR Event Enclave (DTREE)
- Ground Test Computing systems (ADPE) hardware and software
- Ground Test Voice over Internet Protocol (VoIP)
- Ground Test Communications data and voice networks
- Ground Test A/V distribution
- North American Aerospace Defense Command (NORAD) Northern Command (NORTHCOM) Command Center (N2C2) Representation
- Operational (OPR) Test Execution Center (TEC)
- Distributed TEC (DTEC)

- Ground Test White Cell
- 2103 A/V distribution, infrastructure, and VoIP only
- Ground Test Cross Domain Solution (CDS)
- NSITE Enclave
- Ground Test based and specialty networks

#### Outcomes:

**10.11.3.1. Maintain and refresh hardware, software and current capabilities in accordance with industry best maintenance practices ensuring an appropriate mix between inspection, proactive, and corrective maintenance, repair, and replacement to maintain availability of systems, equipment and networks.** Document and execute maintenance plans, schedules, and performance expectations. Utilize system performance and maintenance trending analysis to manage the maintenance program. Develop sparing methodology based upon mission criticality, frequency of use, acquisition lead-time, and vendor support criteria. Monitor approved spare levels and recommend procurement action to replenish stock. Manage and maintain currency on all licensing and update services for third-party software, software drivers, and diagnostic software. Report any lapse in hardware service agreements or software licenses.

- CDRL C013: Maintenance and Spare Report

**10.11.3.2. Develop criteria for technology refresh of hardware, software, and current capabilities in accordance with industry best practices to ensure availability.** Leverage MDA Information Technology (IT) support policy to minimize investments for IT hardware and software above MDA standards. Manage and provide the government with real-time access to a database that conforms to Defense Property Accountability System (DPAS) requirements identifying the location and acquisition details for all Ground Test acquired assets. Implement an integrated approach to operate and manage all Ground Test hardware and software investments that provides for the continuous identification, selection, control, life-cycle management, and evaluation of the investments in a structured process resulting in a systematic method to maximize investment return and allow predictable budgeting.

- CDRL C014: Operational Support Documentation: Technology Refresh Plan

**10.11.3.3. Mission Critical Functionality.** Maintain continuous situational awareness to anticipate problems and react to prevent or minimize mission degradation to ensure availability of mission functionality during Ground Tests and Flight Tests. Exhibit agility in response to urgent operational needs and affect management of IT infrastructure and capabilities. Repair activities communicated, initiated, conducted, and completed with minimal impact to missions. Mission Critical Functionalities are listed in the following table.

Critical Function	Critical Sub Functions	Location
Audio Visual (by event)	a. Event video to specified MDIOC locations b. Event audio to specified MDIOC locations c. VTC system capability in specified MDIOC locations	2100 Quad
Voice Communication (by event)	a. Secure communications capability for specified number of users b. Non-Secure communications capability for specified number of users c. SIPR Chat connectivity for specified number of users d. Clear Com communications capability for specified number of users e. Secure communications cleared for non-US event participants as specified for the event f. Non-secure communications for non-US event participants as specified for the event	
Network Communication	a. Data transfer (send /receive) in accordance with specified event architecture	

Table 10.5 Critical Functions for Ground Test

10.11.3.4. Degradations/failures of systems and IMAC services responded to as outlined in Table 10.6, in order to maintain mission availability. A summary of degradations/failures, to include the incident response times and root-cause analysis annotated in the monthly Task Order Status Review (CDRL C002).

Ground Test Operations (Task Order 9700) – Response Time Objectives				
Objective Area	Initial Response	ETR	Situation Report	Action Completed
Recurring Maintenance	As Scheduled	N/A	N/A	As Scheduled
Incident Request				
- Mission Critical Functionality (Core Hours)	30 min	1 hour	6 hours	24 hours
- Mission Critical Functionality (Non-Core Hours)	2 hours	4 hours	6 hours	24 hours
- Non-Mission Critical Functionality (Core Hours)	8 hours	24 hours	N/A	72 hours
IMAC Services				
- Urgent (Requested during GT)*	N/A	N/A	N/A	8 hours

- Routine (Requested during GT)	N/A	N/A	N/A	1 day
- Routine	N/A	N/A	N/A	14 days
<p>*Note: Urgent is typically defined as support for flag, general officer, SES, and IETT personnel as defined by the government before the event.</p> <p>Mission Critical Functionality Core Hours: Test Execution Event Times  Mission Critical Functionality Non-Core Hours: Non Test Execution Event Times  Non-Mission Critical Functionality Core Hours: 0800-1700  Non-Mission Critical Functionality Non-Core Hours: 1700-0800. Reported the following business day.</p>				

Table 10.6 Recurring Maintenance for Ground Test

10.11.3.5. Include the identification, scheduling, coordination, documentation and execution of services performed under this objective in an on-line centrally managed database that is available to the COTR/ACOTR.

10.11.3.6. Complete/submit/track new software, net-worthiness evaluation requests to MDA Information Assurance and route software requests per MDA required software management process.

10.11.3.7. Achieve reductions in life-cycle costs of equipment through the use of alternatives in system configurations through the utilization of current technology components, adoption of common equipment to multiple requirements, or the application or the implementation of new approaches to system development and support.

#### **PPWP**

10.11.3.8. Operational enhancements and upgrades. Upgrade, enhance and refresh hardware and software to increase current capabilities above the established baseline. This PPWP can be executed up to 7 times.

10.11.4. Objective: Configuration Management and Asset Control. The Contractor shall provide facility and equipment configuration control and identification and scheduling of test assets during planned events. The contractor shall examine, evaluate, and monitor baseline HW/SW to maintain version control integrity.

#### **Outcomes:**

10.11.4.1. Plan, coordinate, and execute freeze waivers through the MDIOC's Work Screening Team.

10.11.4.2. Maintain positive configuration management control for the Ground Test areas and its associated, cabling, systems, operating procedures, and assets. Develop and provide baselined systems artifacts (e.g. Interface Control Documents, Network Interface Control Documents, schematic, functional system overlay and architectural drawings compliant with DoDAF v2.0, etc.) that clearly diagram and articulate the system or components

performance, function, and physical attributes and functional relation between parts, subsystems, and systems.

- CDRL C012: Baseline Engineering Documentation

10.11.4.3. Maintain conformance to a configuration management/system engineering process to ensure standards are established to control and manage, in optimum condition, system capabilities.

10.11.4.4. Maintain monthly operations schedules of all assets within Ground Test, Flight Test and the BLADE areas.

10.11.4.5. Ensure integration of NSITE into required test event architecture.

## **10.12. BMDS Ground Test Resources Cybersecurity Management**

10.12.1. Objective: Cybersecurity Compliance. The Contractor shall provide compliant security services that prevent unauthorized access, use, disclosure, disruption, modification, inspection, recording, or destruction of information and/or equipment and processes that create that information for the enclaves. The Contractor shall have full Cyber responsibility for the DTR Event Enclave in order to meet test and event requirements. These security services and tools include:

- Security Engineering and Security Administration processes and products that support system certification and accreditation (C&A)
- Cybersecurity Concept of Operations
- Accreditation requirements of the DoD's Risk Management Framework (RMF)
- Information Assurance Vulnerability Management (IAVM)
- ePO system
- Continuous security monitoring and reporting as an MDA Tier III Computer Network Defense (CND) organization by managing:
  - DISA security tools including Host-Based Security System (HBSS)
  - Assured Compliance Assessment Solution (ACAS)
  - Enterprise Mission Assurance Support Service (eMASS)
  - Continuous Monitoring and Risk Scoring (CMRS)

Outcomes:

10.12.1.1. Perform Cyber system administration and security management tasks using DISA tools and report, monitor applicable security resources for updated requirements and comply with DoD/Cyber Command Task Orders (CTO).

10.12.1.2. Recommend security requirements and safeguards and establish processes to validate security requirements, mitigate cyber risks, and acquire certification and accreditation of systems.

10.12.1.3. Anticipate requirements for cyber accreditations and recommend a Plan of Action and Milestones (POA&M) to accomplish tasks that allow participation in events.

10.12.1.4. Demonstrate and report compliance with cybersecurity requirements using the standard scorecard.

10.12.1.5. Assess systems, networks, and using passive and active evaluations, participate in the Security Test and Evaluation (ST&E) processes, and identify vulnerabilities and deviations from acceptable configurations.

10.12.1.6. Document the results of Certification and Accreditation activities.

10.12.1.7. Conduct Incident Response actions and analyze malicious events and known exploitations/vulnerabilities for the creation of custom signature rule sets.

10.12.1.8. Identify and manage government common user systems and special purpose systems that require custom security features and procedures.

10.12.1.9. Comply with RMF mitigation requirements for Category I, II, and III findings.

10.12.1.10. Obtain timely Authorization to Operate (ATO) for mission areas and maintains status by implementing agreed-upon set of security controls.