

AWARD/CONTRACT		1. THIS CONTRACT IS A RATED ORDER UNDER DPAS (15 CFR 700)		RATING DX-C9		PAGE OF PAGES 1 85	
2. CONTRACT (Proc. Inst. Ident.) NO. HQ0276-10-C-0001		3. EFFECTIVE DATE 01 Oct 2009		4. REQUISITION/PURCHASE REQUEST/PROJECT NO. SEE SCHEDULE			
5. ISSUED BY MISSILE DEFENSE AGENCY (MDA) 17211 AVENUE D SUITE 160 DAHLGREN VA 22448-5154		CODE HQ0276		6. ADMINISTERED BY (If other than Item 5) DCMA LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927		CODE C94449	
7. NAME AND ADDRESS OF CONTRACTOR (No., street, city, county, state and zip code) LOCKHEED MARTIN CORPORATION 199 BORTON LANDING RD MOORESTOWN NJ 08057-3054				8. DELIVERY <input checked="" type="checkbox"/> FOB ORIGIN <input type="checkbox"/> OTHER (See below)			
				9. DISCOUNT FOR PROMPT PAYMENT			
CODE 02769				10. SUBMIT INVOICES (# Copies unless otherwise specified) TO THE ADDRESS SHOWN IN:			
				ITEM			
11. SHIP TO/MARK FOR DCMA LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927		CODE C94449		12. PAYMENT WILL BE MADE BY DFAS COLUMBUS CENTER BUNKER HILL P.O. BOX 180077 COLUMBUS OH 43218-2077		CODE SC1016	
13. AUTHORITY FOR USING OTHER THAN FULL AND OPEN COMPETITION: <input checked="" type="checkbox"/> 10 U.S.C. 2304(c)(1) <input type="checkbox"/> 41 U.S.C. 253(c)()				14. ACCOUNTING AND APPROPRIATION DATA See Schedule			
15A. ITEM NO.	15B. SUPPLIES/SERVICES	15C. QUANTITY	15D. UNIT	15E. UNIT PRICE	15F. AMOUNT		
SEE SCHEDULE							
15G. TOTAL AMOUNT OF CONTRACT							\$1,034,550,501.00
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CONTRACTING OFFICER WILL COMPLETE ITEM 17 OR 18 AS APPLICABLE							
17 <input checked="" type="checkbox"/> CONTRACTOR'S NEGOTIATED AGREEMENT Contractor is required to sign this document and return 1 copies to issuing office. Contractor agrees to furnish and deliver all items or perform all the services set forth or otherwise identified above and on any continuation sheets for the consideration stated herein. The rights and obligations of the parties to this contract shall be subject to and governed by the following documents: (a) this award/contract, (b) the solicitation, if any, and (c) such provisions, representations, certifications, and specifications, as are attached or incorporated by reference herein. (Attachments are listed herein.)				18 <input type="checkbox"/> AWARD (Contractor is not required to sign this document) Your offer on Solicitation Number _____ including the additions or changes made by you which additions or changes are set forth in full above, is hereby accepted as to the items listed above and on any continuation sheets. This award consummates the contract which consists of the following documents: (a) the Government's solicitation and your offer, and (b) this award/contract. No further contractual document is necessary.			
19A. NAME AND TITLE OF SIGNER (Type or print) (b)(6) Sr. Manager, Contracts				20A. NAME OF CONTRACTING OFFICER (b)(6) TEL: (b)(6) EMAIL: (b)(6)			
19B. NAME OF CONTRACTOR (b)(6)		19C. DATE SIGNED 20 OCT 09		20B. UNITED STATES OF AMERICA (b)(6)		20C. DATE SIGNED OCT 21 2009	
BY _____ (Signature of person authorized to sign)				BY _____ (Signature of Contracting Officer)			

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STANDARD FORM 26 (REV. 4/2008)

Prescribed by GSA
FAR (48 CFR) 53.214(a)

Section B - Supplies or Services and Prices

NOTE

NOTE: CLINs 0005, 0006, 0012, 0013, 0018, 0019, 0021, 0024, 0027, and, if exercised, Option CLINs 0002, 0003, 0103 and 0104, are designated for the payment of Award Fee and Technical/Schedule Performance Incentive Fee ONLY. The "COST" identifier specified in each CLIN is a requirement of the software system used in the processing of this contract.

PRE-CONTRACT COSTS

The contractor shall be entitled to reimbursement for pre-contract costs, directly related to the work covered by this contract, incurred on or after 1 October 2009, in an amount not to exceed (b)(4) that, if incurred after this contract has been entered into, would have been reimbursable under this contract.

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001			Dollars, U.S.		(b)(4)
OPTION	Baseline 4.0.1 CPIF Aegis BMD Baseline 4.0.1 Weapon System Certification and Initial Fielding of WILDCAT Engagement Capability Completion FOB: Origin				
				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
0002			Dollars, U.S.		(b)(4)
OPTION	Award Fee for CLIN 0001 COST FOB: Origin				
				ESTIMATED COST	(b)(4)

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0003			Dollars, U.S.		(b)(4)
OPTION	Technical-Schedule Perf Incentive Fee COST For CLIN 0001 FOB: Origin				
				ESTIMATED COST	(b)(4)

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0004	Baseline 5.0 CPIF Aegis BMD Baseline 5.0 Weapon System Development Certification and Fielding Support Completion FOB: Origin		Dollars, U.S.		(b)(4)
				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)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000401	Incremental Funding for CLIN 0004 ACRN AA PURCHASE REQUEST NUMBER: AB9JMM96644	(b)(4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000402	Incremental Funding for CLIN 0004 ACRN AB PURCHASE REQUEST NUMBER: AB9JMM96651	(b)(4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000403	Incremental Funding for CLIN 0004	
	ACRN AC	(b)(4)
	PURCHASE REQUEST NUMBER: AB9JMM96652	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0005	Award Fee for CLIN 0004		Dollars, U.S.		(b)(4)
	COST				
	FOB: Origin				
				ESTIMATED COST	(b)(4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000501	Incremental Funding for CLIN 0005	
	ACRN AD	(b)(4)
	PURCHASE REQUEST NUMBER: AB9JMM96653	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0006	Technical-Schedule Perf Incentive Fee COST For CLIN 0004 FOB: Origin		Dollars, U.S.		(b)(4)
				ESTIMATED COST	(b)(4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000601	Incremental Funding for CLIN 0006 ACRN AE PURCHASE REQUEST NUMBER: AB9JMM96655	(b)(4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000602	Incremental Funding for CLIN 0006 ACRN AF PURCHASE REQUEST NUMBER: AB9JMM96656	(b)(4)

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0007			Dollars, U.S.		(b)(4)
OPTION	Emergent Threat				
	CPAF				
	Aegis BMD Weason System Development Support - Emergent Threat				
	Level of Effort				
	FOB: Origin				
				ESTIMATED COST	(b)(4)
				BASE FEE	
				SUBTOTAL EST COST + BASE	
				MAX AWARD FEE	
				TOTAL EST COST + FEE	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0008					\$0.00
	RESERVED				
	FOB: Origin				
				NET AMT	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0009	RESERVED				\$0.00
	FOB: Origin				

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0010	RESERVED				\$0.00
	FOB: Origin				

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0011	Multi-Mission Signal Processor CPIF Multi-Mission Signal Processor Development Support Completion FOB: Origin		Dollars, U.S.		(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
001101	Incremental Funding for CLIN 0011 ACRN BS PURCHASE REQUEST NUMBER: N0002410MP10645	(b)(4)

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0012	Award Fee for CLIN 0011 COST FOB: Origin		Dollars, U.S.		(b)(4)
				ESTIMATED COST	(b)(4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
001201	Incremental Funding for CLIN 0012	
	ACRN BS	(b)(4)
	PURCHASE REQUEST NUMBER: N0002410MP10678	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0013	Technical-Schedule Perf Incentive Fee COST For CLIN 0011 FOB: Origin		Dollars, U.S.		(b)(4)
				ESTIMATED COST	(b)(4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
001301	Incremental Funding for CLIN 0013	
	ACRN BS	(b)(4)
	PURCHASE REQUEST NUMBER: N0002410MP10679	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0014	RESERVED				\$0.00
	FOB: Origin				

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0015	RESERVED				\$0.00
	FOB: Origin				

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0016	RESERVED				\$0.00
	FOB: Origin				

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0017	Baseline 5.1 CPIF Aegis BMD Baseline 5.1 Weapon System Development Support Level of Effort FOB: Origin		Dollars, U.S.		(b)(4)
				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)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
001701	Incremental Funding for CLIN 0017 ACRN AG PURCHASE REQUEST NUMBER: AB9JMM96691	(b)(4)

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0018	Award Fee for CLIN 0017 COST FOB: Origin		Dollars, U.S.		(b)(4)
				ESTIMATED COST	(b)(4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
001801	Incremental Funding for CLIN 0018	
	ACRN AH	(b)(4)
	PURCHASE REQUEST NUMBER: AB9JMM96692	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0019	Technical-Schedule Perf Incentive Fee		Dollars,		(b)(4)
	COST		U.S.		
	For CLIN 0017				
	FOB: Origin				
				ESTIMATED COST	(b)(4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
001901	Incremental Funding for CLIN 0019	
	ACRN AJ	(b)(4)
	PURCHASE REQUEST NUMBER: AB9JMM96693	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0020	Post-Certification CPIF Aegis BMD Baseline Post Certification Support Level of Effort FOB: Origin		Dollars, U.S.		(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
002001	Incremental Funding for CLIN 0020 ACRN AK PURCHASE REQUEST NUMBER: AB9JMM96657	(b)(4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
002002	Incremental Funding for CLIN 0020 ACRN AL PURCHASE REQUEST NUMBER: AB9JMM96658	(b)(4)

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0021			Dollars, U.S.		(b)(4)
	Award Fee for CLIN 0020				
	COST				
	FOB: Origin				
				ESTIMATED COST	(b)(4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
002101		
	Incremental Funding for CLIN 0021	
	ACRN AM	(b)(4)
	PURCHASE REQUEST NUMBER: AB9JMM96659	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0022			Dollars, U.S.		(b)(4)
	BMDs Integration Support				
	CPAF				
	Level of Effort				
	FOB: Origin				
				ESTIMATED COST	(b)(4)
				BASE FEE	
				SUBTOTAL EST COST + BASE	
				MAX AWARD FEE	
				TOTAL EST COST + FEE	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
002201	Incremental Funding for CLIN 0022	(b)(4)
	ACRN AN	
	PURCHASE REQUEST NUMBER: AB9JMM96677	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
002202	Incremental Funding for CLIN 0022	(b)(4)
	ACRN AP	
	PURCHASE REQUEST NUMBER: AB9JMM96676	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT Dollars, U.S.	UNIT PRICE	AMOUNT
0023	Modeling, Simulation and Test Support				(b)(4)
	CPIF				
	Level of Effort				(b)(4)
	FOB: Origin				
				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
002301	Incremental Funding for CLIN 0023 ACRN AQ PURCHASE REQUEST NUMBER: AB9JMM96667	(b)(4)
002302	Incremental Funding for CLIN 0023 ACRN AR PURCHASE REQUEST NUMBER: AB9JMM96668	(b)(4)
002303	Incremental Funding for CLIN 0023 ACRN AS PURCHASE REQUEST NUMBER: AB9JMM96669	(b)(4)
002304	Incremental Funding for CLIN 0023 ACRN AT PURCHASE REQUEST NUMBER: AB9JMM96670	(b)(4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
002305	Incremental Funding for CLIN 0023	
	ACRN AU	(b)(4)
	PURCHASE REQUEST NUMBER: AB9JMM96672	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
002306	Incremental Funding for CLIN 0023	
	ACRN AV	(b)(4)
	PURCHASE REQUEST NUMBER: AB9JMM96686	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0024			Dollars, U.S.		(b)(4)
	Award Fee for CLIN 0023				
	COST				
	FOB: Origin				
				ESTIMATED COST	(b)(4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
002401	Incremental Funding for CLIN 0024	
	ACRN AW	(b)(4)
	PURCHASE REQUEST NUMBER: AB9JMM96690	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0025			Dollars, U.S.		(b)(4)
	Future Studies				
	CPAF				
	Level of Effort				
	FOB: Origin				
				ESTIMATED COST	(b)(4)
				BASE FEE	
				SUBTOTAL EST COST + BASE	
				MAX AWARD FEE	
				TOTAL EST COST + FEE	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
002501	Incremental Funding for CLIN 0025	
	ACRN AX	(b)(4)
	PURCHASE REQUEST NUMBER: AB9JMM96678	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
002502	Incremental Funding for CLIN 0025	
	ACRN AY	(b)(4)
	PURCHASE REQUEST NUMBER: AB9JMM96679	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
002503	Incremental Funding for CLIN 0025 ACRN AZ PURCHASE REQUEST NUMBER: AB9JMM96680	(b)(4)
002504	Incremental Funding for CLIN 0025 ACRN BA PURCHASE REQUEST NUMBER: AB9JMM96681	(b)(4)
002505	Incremental Funding for CLIN 0025 ACRN BB PURCHASE REQUEST NUMBER: AB9JMM96683	(b)(4)
002506	Incremental Funding for CLIN 0025 ACRN BC PURCHASE REQUEST NUMBER: AB9JMM96684	(b)(4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
002507	Incremental Funding for CLIN 0025	
	ACRN BD	(b)(4)
	PURCHASE REQUEST NUMBER: AB9JMM96685	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0026	Ship I&T, ILS, and Training		Dollars,		(b)(4)
	CPIF		U.S.		
	Ship Integration and Test, Integrated Logistics Support, and Training				
	Level of Effort				
	FOB: Origin				
				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
002601	Incremental Funding for CLIN 0026	
	ACRN BE	(b)(4)
	PURCHASE REQUEST NUMBER: AB9JMM96673	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
002602	Incremental Funding for CLIN 0026	
	ACRN BF	(b)(4)
	PURCHASE REQUEST NUMBER: AB9JMM96674	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
002603	Incremental Funding for CLIN 0026	
	ACRN BG	(b)(4)
	PURCHASE REQUEST NUMBER: AB9JMM96695	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
002604	Incremental Funding for CLIN 0026	
	ACRN BH	(b)(4)
	PURCHASE REQUEST NUMBER: N0002409MP12341	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0027	Award Fee for CLIN 0026		Dollars, U.S.		(b)(4)
	COST				
	FOB: Origin				
				ESTIMATED COST	(b)(4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
002701	Incremental Funding for CLIN 0027	
	ACRN BH	(b)(4)
	PURCHASE REQUEST NUMBER: N0002409MP12341	

ITEM NO	SUPPLIES/SERVICES	AMOUNT
002702	Incremental Funding for CLIN 0027	
	ACRN BJ	(b)(4)
	PURCHASE REQUEST NUMBER: AB9JMM96675	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0028	Data and Reports				(b)(4)
	FOB: Origin				

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0100			Dollars, U.S.		(b)(4)
OPTION	4.0.1 Ship Installs CPIF Aegis BMD Baseline 4.0.1 Ship Installations (FY12, FY13) Level of Effort FOB: Origin				
				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
0101			Dollars, U.S.		(b)(4)
OPTION	5.0 Ship Installs CPIF Aegis BMD Baseline 5.0 Ship Installations (FY12, FY13) Level of Effort FOB: Origin				
				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
0102	Aegis BMD International Support CPAF Level of Effort FOB: Origin		Dollars, U.S.		(b)(4)
				ESTIMATED COST	(b)(4)
				BASE FEE	
				SUBTOTAL EST COST + BASE	
				MAX AWARD FEE	
				TOTAL EST COST + FEE	
ITEM NO	SUPPLIES/SERVICES				AMOUNT
010201	IF for CLIN 0102; FMS Case: JA-P-LVK ACRN BK PURCHASE REQUEST NUMBER: N0002408MP50287				(b)(4)
ITEM NO	SUPPLIES/SERVICES				AMOUNT
010202	IF for CLIN 0102; FMS Case: NE-P-GLK ACRN BL PURCHASE REQUEST NUMBER: N0002408MP50418				(b)(4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
010203	IF for CLIN 0102; FMS Case: JA-P-FLU ACRN BM PURCHASE REQUEST NUMBER: N0002408MP50860	(b)(4)
010204	IF for CLIN 0102; FMS Case: JA-P-CAM ACRN BN PURCHASE REQUEST NUMBER: N0002409MP60136	(b)(4)
010205	IF for CLIN 0102; FMS Case: JA-P-CAM ACRN BP PURCHASE REQUEST NUMBER: N0002409MP60136	(b)(4)
010206	IF for CLIN 0102; FMS Case: JA-P-CAM ACRN BQ PURCHASE REQUEST NUMBER: N0002409MP60136	(b)(4)

ITEM NO	SUPPLIES/SERVICES	AMOUNT
010207	IF for CLIN 0102; FMS CASE JA-P-CAM	
	ACRN BR	(b)(4)
	PURCHASE REQUEST NUMBER: N0002409MP60136	

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0103			Dollars, U.S.		(b)(4)
OPTION	Award Fee for CLIN 0100 COST FOB: Origin				
				ESTIMATED COST	(b)(4)

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0104			Dollars, U.S.		(b)(4)
OPTION	Award Fee for CLIN 0101 COST FOB: Origin				
				ESTIMATED COST	(b)(4)

EST COST, AWD FEE, AND INC FEE

The total estimated cost, award fee, and incentive fee of this contract, including all options that may be exercised by the Government is:

Estimated Cost:

(b)(4)

[illegible]

Note: The clause entitled "LIMITATION OF FUNDS" (FAR 52.232-22), shall apply separately and independently to each separately identified estimated cost.

NOTE A

1. The target cost and target fee pool amounts of the contract are set forth in the above table entitled Incentive Fee Schedule for Level of Effort Items. The final target cost and target fee pool amounts shall be based upon the actual level of effort the contractor provides as explained in paragraphs 2 through 5 of this Note.
2. The final CPIF target cost for CLINs 0017, 0020, 0023, 0026 and, if exercised, Option CLINs 0100 and 0101 shall be determined by multiplying the allowable hours worked, including subcontractor hours, under CLINs 0017, 0020, 0023, 0026, and, if exercised, Option CLINs 0100 and 0101 by the rate/hour in the target cost column including cost of money, of the preceding table. The final CPIF target fee for each CLIN shall be determined by multiplying the allowable hours worked, including subcontractor hours, under each CLIN by the rate/hour in the target fee column of the preceding table.
3. The share ratio for the CPIF portion of the fee structure is outlined in the above CPIF TARGET FEE AND SHARE RATIO SUMMARY. The fee earned under the CPIF portion of the fee structure will be based on the total allowable cost incurred by the contractor in comparison to the final target cost for each of the aforementioned CLINs. See paragraph 5 of this Note and the Incentive Fee clause (FAR 52.216-10) in Section I of this contract for further information on how the target cost and target fee are determined and the fee earned is calculated.
4. The following examples illustrate how the final target cost and target fee pool amounts for CLINs 0017, 0020, 0023, 0026 and, if exercised, Option CLINs 0100 and 0101 are determined and how the actual fee earned is calculated:

CLIN XXXX:

Hours	TC Hourly Rate	Target Hourly Fee	Target Cost	Total Target Cost + Fee Amount
1,000,000	\$200.00	\$20.00	\$200,000,000	\$220,000,000

Example 1 – Slight Underrun
UnderRun of \$20/hr or \$20M
50/50 Share Line

Actual Hours Worked: 1,000,000
Actual Cost Incurred: \$180,000,000 (including Cost of Money)

Final Target Cost: Hours X \$ Rate A = C (including Cost of Money)
 Final Target Fee: Hours X \$ Rate B = D
 Actual Fee earned under CPIF portion of fee structure:
 $D + (. \% \times (C - \text{Actual Cost Incurred})) = E$

Total Cost plus Fee paid by Government:

$$\$180,000,000 + E = F$$

Hours	Actual Hourly Rate	Target Hourly Fee	Actual Cost Incurred	Target Fee	Share of Underrun	Adjusted Fee
1,000,000	\$180.00	\$20.00	\$180,000,000	\$20,000,000	\$10,000,000	\$20,000,000
						\$10,000,000
						\$30,000,000
Total Paid by Gov't						\$210,000,000

Example 2 – Slight Overrun

OverRun of \$20/hr or \$20M

50/50 Share Line

Actual Hours Worked: 1,000,000

Actual Cost Incurred: \$220,000,000 (including Cost of Money)

Final Target Cost: Hours X Rate A = C (including Cost of Money)

Final Target Fee: Hours X Rate B = D

Actual Fee earned under CPIF portion of fee structure:

$$D + (. \% X (C - \text{Actual Cost Incurred})) = E$$

Total Cost plus Fee paid by Government:

$$\$220,000,000 + E = F$$

Hours	Actual Hourly Rate	Target Hourly Fee	Actual Cost Incurred	Target Fee	Share of Overrun	Adjusted Fee
1,000,000	\$220.00	\$20.00	\$220,000,000	\$20,000,000	(\$10,000,000)	\$20,000,000
						(\$10,000,000)
						\$10,000,000
Total CPIF Paid by Gov't						\$230,000,000

Example 3 – Overrun with Less Hours

Actual Hours Worked: 950,000

Actual Cost Incurred: \$213,750,000 (including Cost of Money)

Final Target Cost: Hours X \$ Rate A = C (including Cost of Money)

Final Target Fee: Hours X \$ Rate B = D

Actual Fee earned under CPIF portion of fee structure:

$$D + (. \% X (\$C - \text{Actual Cost Incurred})) = - E$$

Total Cost plus Fee paid by Government:

$$\$213,750,000 - E = F$$

Delivery of 50,000 fewer Hours and an OverRun of Hourly Rate

50/50 Share Line

Delivered Hours	Actual Hourly Rate	Target Hourly Rate	Actual Cost Incurred	Adjusted Target Fee*	Target Cost for Reduced Hours	Share of Overrun	Adjusted Fee
950,000	\$225.00	\$20.00	\$213,750,000				

\$19,000,000	\$190,000,000	(\$11,875,000)	\$19,000,000
	Delivered Hrs X TC Hrly Rate	50% X (TC for	(\$11,875,000)
		Reduced Hrs – Actual	\$ 7,125,000
		Cost Incurred)	

Total CPIF Paid By Gov't \$220,875,000

*Target Fee Reduced Based on Delivered Hours X Target Hourly Fee Rate

As is illustrated in this last example, if the fee earned is negative, the total amount payable to the contractor will be reduced by the amount of the negative fee but will not be reduced below the minimum fee.

5. Separate Target Fee pools have been established for CLINs 0017, 0020, 0023, 0026 and, if exercised, Option CLINs 0100 and 0101. Accordingly, the cost performance on one (or more) of the CLINs in the above table cannot be used by the Contractor to offset the cost performance on one or more of the other CLINs in the above table. For example, if the contractor underruns CLIN 0017, this underrun cannot be used by the Contractor to offset an overrun on CLIN 0023.

DETERMINATION OF AWARD FEE

CLINs 0002 (Option), 0005, 0007 (Option), 0012, 0018, 0021, 0022, 0024, 0025, 0027, 0102, 0103 (Option), and 0104 (Option) provide for Award Fee based upon the performance in the associated CLIN. Award fee shall be determined in accordance with Attachment J-3, Award Fee Plan.

(a) The Contractor may earn award fee up to the maximum amount specified in Section B for each Line Item of this contract. The provisions under which the Contractor may earn Award Fee are set forth in Attachment J-3, Award Fee Plan.

A determination of Potential Award Fee and Earned Award Fee by the Contractor, if any, and payment thereof, shall be listed at the end of each Award Fee Period as set forth in the following table:

Table 2.1 Available Award Fee Pool

Applicable CLIN	CLIN Description	Contribution to Award Fee Pool
CLIN 0002 (Option)	BMD 4.0.1 Weapon System	(b)(4)
CLIN 0005	BMD 5.0 Weapon System	
CLIN 0007 (Option)	BMD Emergent Threat	
CLIN 0018	BMD 5.1 Weapon System	
CLIN 0021	Post Certification Support	
CLIN 0022	BMDS Integration	
CLIN 0024	Modeling & Simulation	
CLIN 0025	Future Studies	
CLIN 0027	Ship Integration & Test, Integrated Logistics Support, Training	
CLIN 0102	Aegis BMD International Support	
CLIN 0103 (Option)	Aegis BMD Baseline 4.0.1 Ship	

	Installs	
CLIN 0104 (Option)	Aegis BMD Baseline 5.0 Ship Installs	(b)(4)

Table 2.2 Available Award Fee Pool (MMSP only)

Applicable CLIN	CLIN Description	Contribution to Award Fee Pool
CLIN 0012	MMSP Development	(b)(4)

(b) Minimum Fee

(b)(4)

(c) Maximum Fee

The maximum award fee available to the Contractor shall not exceed the maximum award fee for each line item as set forth in Section B of this contract.

TECHNICAL/SCHEDULE PERF I/F
TECHNICAL/SCHEDULE PERFORMANCE INCENTIVE FEE

The total available Technical/Schedule Performance Incentive Fee for CLINs 0003 (Option), 0006, 0013, and 0019, as outlined in the table below are subject to the limitations and protections of FAR 52.232-22 Limitation of Funds, and will be incrementally funded.

If the contractor successfully achieves the mandated milestone event, as defined in Attachments J-4 and J-8 to this contract, by the due date specified, the Contracting Officer will provide the Technical/Schedule Performance Incentive Fee associated with that milestone event. To ensure timely payment, the contractor shall provide written notification to the Contracting Officer of the scheduled date(s) for Technical/Schedule Milestone Events at least thirty (30) days in advance. The Contracting Officer will authorize the contractor to bill for Technical/Schedule Performance Incentive Fee earned for the milestone event in question via electronic transmission within 15 days after the due date.

The Government is under NO obligation to roll over unearned Technical/Schedule Performance Incentive Fee, however, it hereby reserves the right to unilaterally roll over some or all of the unearned fee to later evaluation periods.

The Contracting Officer, in consultation with the Aegis BMD Program Director, is the Determining Official with regard to Technical/Schedule Performance Incentive Fee. The Fee Determining Official for all other Award Fees is MDA/D. Determinations of the Contracting Officer with respect to the payment of Technical/Schedule Performance Incentive Fee to the contractor and the rolling over of any unearned fee are final, unilateral decisions made solely at the discretion of the Contracting Officer.

If the contractor anticipates it will or actually does fail to meet a stated milestone as outlined in Attachment J-4, it shall promptly notify the Contracting Officer in writing explaining the root cause and as applicable, request relief in accordance with FAR 52.249-14, Excusable Delays.

Milestone Event	Potential Incentive Fee	Earned Fee
-----------------	-------------------------	------------

CLIN 0001- BMD 4.0.1 (Option)	CLIN 0003 (Option) (Note A)	
Conduct FTM-16	(b)(4)	
Complete CPAP		
Integrated Baseline Review (IBR)		
Complete Certification		
Conduct FTM-17		
FY11 CG Installation Complete		
CLIN 0004 – BMD 5.0		
IBR		
IPR #4		
IPR #5		
Complete System Demonstration		
DDG-53 Installation Complete		
Complete CPAP		
Complete Certification		
Additional ECS “Assess To” Threat into Compliance in Cert Load (See Note B) (Threat #1)		
Additional ECS “Assess To” Threat into Compliance in Cert Load (See Note B) (Threat #2)		
CLIN 0011 – MMSP		
IBR		
Multi-Mission Exercise		
Production Readiness Review		
D(V) Performance Demo		
CLIN 0017 – BMD 5.1		
System Requirements Review		
System Design Review		

Note A: CLIN 0003 is an Option

Note B: CLIN 0006

a. If the Contractor delivers “In Compliance” capability in the Aegis BMD Baseline 5.0 Weapon System against the following Threats as subsequently verified and validated by FTMs and/or Ground Test Campaign(s), as defined in Attachments J-7 and J-8, the Contractor will receive a Technical/Schedule Performance Incentive Fee of X percent of the Estimated Cost of CLIN 0004 for each Threat:

Threat #1 _____ (to be selected from “Assess To” Threats listed in the Aegis BMD 5.0 Element Capability Specification)

Threat #2 _____ (to be selected from “Assess To” Threats listed in the Aegis BMD 5.0 Element Capability Specification)

- b. The additional capability must be delivered without growth to the Estimated Cost of CLIN 0004 or delay to the schedule of the Aegis BMD Baseline 5.0 Weapons System per Attachment J-4 to this contract.
- c. The Contractor must follow the established MDA/AB System Engineering Process, as defined in the MDA/AB System Engineering Management Plan (SEMP) and Attachments J-7 and J-8, in design, development and test including peer review of performance analyses and design trades to assure a robust design space and not "Point Solution(s)" for the delivered Weapons System.
- d. Balanced Technical Performance Measures, as defined in Attachment J-7, must be established at the In Process Design Reviews and satisfied by the delivered Weapons System.
- e. The Government encourages the Contractor as the Combat System Engineering Agent to suggest technical performance improvements to the Combat System (including the Weapons System and the SM-3 Missile) which might support the above additional "In Compliance" Weapons System capability, however, the Government can make no commitment to change the SM-3 missile to support the Contractor in earning the above Technical/Schedule Performance Incentive Fee(s).

PAYMENT OF FEE

- (a) For purposes of this contract, "fee" means "target fee" in cost-plus-incentive-fee type contracts.
- (b) The Government shall make payments to the Contractor, subject to and in accordance with the clause in this contract entitled "Incentive Fee", (FAR 52.216-10), as applicable. Such payments shall be no greater than (b)(4) for CLIN 0001 (if exercised); (b)(4) for CLINs 0004, 0011, and 0017; (b)(4) for CLINs 0020, 0023, and 0026; and (b)(4) for CLINs 0100 and 0101 (if exercised) of the allowable cost of each invoice submitted by and payable to the Contractor pursuant to the clause of this contract entitled "Allowable Cost and Payment" (FAR 52.216-7), subject to the withholding terms and conditions of the "Fixed Fee" or "Incentive Fee" clause, as applicable (percentage of fee is based on fee dollars divided by estimated cost dollars, including facilities capital cost of money (FCCOM)). Total fee(s) paid to the Contractor shall not exceed the fee amounts(s) set forth in this contract.
- (c) In the event of discontinuance of the work under this contract, or any specified phase of the contract, in accordance with the clause of this contract entitled "Limitation of Funds" (FAR 52.232-22) and "Limitation of Cost" (FAR 52.232-20), as applicable, the fee shall be equitably adjusted by mutual agreement to reflect the diminution of work. If the adjusted fee is less than the sum of all fee payments made to the Contractor under this contract, the Contractor shall repay the excess amount to the Government. If the adjusted fee exceeds all payments made to the Contractor under this contract, the Contractor shall be paid the additional amount, subject to the availability of funds. In no event shall the Government be required to pay the contractor any amount in excess of the funds obligated under this contract at the time of the discontinuance of work."
- (d) Fee(s) withheld pursuant to the terms and conditions of this contract shall not be paid until the contract has been modified to reduce the fee(s) in accordance with paragraph (c) above, or until the Procuring Contracting Officer has advised the paying office in writing that no fee adjustment is required.

Section C - Descriptions and Specifications

CLAUSES INCORPORATED BY FULL TEXT

C-01 SCOPE OF WORK (MAY 2005)

The Contractor shall perform the work specified in the Statement of Objectives/ Statement of Work (SOO/SOW) or other Attachments and Exhibits in Section J of this contract. The Contractor shall provide all necessary materials, labor, equipment and facilities incidental to the performance of this requirement.

REPORTS AND OTHER DELIVERABLES

- a. The contractor shall submit all reports and other deliverables in accordance with the delivery schedule set forth in Section F and the attached Contract Data Requirements Lists, DD Form 1423-1.
- b. Technical reports delivered by the contractor in the performance of the contract shall be considered Technical Data, as defined in DFARS 252.227-7013, "Rights in Technical Data – Noncommercial Items."
- c. Reports shall be submitted electronically in accordance with the attached Contract Data Requirements List, DD Form 1423-1, submission requirements. For reports that are unable to be submitted electronically, reports shall be mailed by other than first-class mail unless the urgency of submission requires use of first-class mail. In this situation, one copy shall be mailed first-class and the remaining copies forwarded by less than first-class.
- d. The following information shall be provided with all reports. However, if the report incorporates a MDA logo or letterhead, this information will be provided on a severable cover sheet and not on the same sheet of paper as the MDA logo or letterhead.
 - CONTRACT NUMBER;
 - PROGRAM'S DESCRIPTION (INCLUDING 2 LETTER CODE)/PROGRAM MANAGER
 - CONTRACTOR'S POINT OF CONTACT NAME AND PHONE NUMBER
- e. All reports generated under this contract shall contain the following disclaimer statement on the cover page:

"The views, opinions, and findings contained in this report are those of the author(s) and should not be construed as an official Department of Defense position, policy, or decision."
- f. Except as provided by the Contract Data Requirements List, DD Form 1423-1, Exhibit A, and the Contract Security Classification Specification, DD Form 254, the distribution of any contract report in any stage of development or completion is prohibited without the approval of the Contracting Officer.

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 Security Program Operation Manual (NISPOM), DOD 5220.22-M.

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.

c. MARKING INSTRUCTIONS FOR MISSILE DEFENSE AGENCY (MDA) REQUIREMENTS – Request for marking instructions shall be submitted electronically at least 90 days prior to required delivery date, to specialist enter either COR or PCO or both as appropriate to the acquisition.

Missile Defense Agency, MDA/AB
ATTN: (b)(6)
17211 Avenue D, Suite 160
Dahlgren, VA 22448-5148
(b)(6)

MARKING AND PACKING LIST(S)

(a) Marking. Shipments, shipping containers and palletized unit loads shall be marked in accordance with best commercial practice.

(b) Packing List(s). A packing list (DD Form 250, Material Inspection and Receiving Report may be used) identifying the contents of each shipment, shipping container or palletized unit load shall be provided by the contractor with each shipment. When a contract line item identified under a single stock number includes an assortment of related items such as kit or set components, detached parts or accessories, installation hardware or material, the packing list(s) shall identify the assorted items.

When assortment of related items is included in the shipping container, a packing list identifying the contents shall be furnished.

(c) Master Packing List. In addition to the requirements in paragraph (b) above, a master packing list shall be prepared where more than one shipment, shipping container or palletized unit load comprise the contract line item being shipped. The master packing list shall be attached to the number one container and so identified.

(d) Part Identification. All items within the kit, set, installation hardware or material shall be suitably segregated and identified within the unit pack(s) or shipping container by part number and/or national stock number.

DATA AND REPORTING

All unclassified data shall be prepared for shipment in accordance with best commercial practice. Classified reports, data, and documentation shall be prepared for shipment in accordance with National Industrial Security Program Operating Manual (NISPOM), DOD 5220.22-M, current version, and, when applicable, NISPOM Supplement, current version, and the DD 254 (Attachment J-2).

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	Origin	Government
0002	Origin	Government	Origin	Government
0003	Origin	Government	Origin	Government
0004	Origin	Government	Origin	Government
000401	Origin	Government	Origin	Government
000402	Origin	Government	Origin	Government
000403	Origin	Government	Origin	Government
0005	Origin	Government	Origin	Government
000501	Origin	Government	Origin	Government
0006	Origin	Government	Origin	Government
000601	Origin	Government	Origin	Government
000602	Origin	Government	Origin	Government
0007	Origin	Government	Origin	Government
0008	Origin	Government	Origin	Government
0009	Origin	Government	Origin	Government
0010	Origin	Government	Origin	Government
0011	Origin	Government	Origin	Government
001101	Origin	Government	Origin	Government
0012	Origin	Government	Origin	Government
001201	Origin	Government	Origin	Government
0013	Origin	Government	Origin	Government
001301	Origin	Government	Origin	Government
0014	Origin	Government	Origin	Government
0015	Origin	Government	Origin	Government
0016	Origin	Government	Origin	Government
0017	Origin	Government	Origin	Government
001701	Origin	Government	Origin	Government
0018	Origin	Government	Origin	Government
001801	Origin	Government	Origin	Government
0019	Origin	Government	Origin	Government
001901	Origin	Government	Origin	Government
0020	Origin	Government	Origin	Government
002001	Origin	Government	Origin	Government
002002	Origin	Government	Origin	Government
0021	Origin	Government	Origin	Government
002101	Origin	Government	Origin	Government
0022	Origin	Government	Origin	Government
002201	Origin	Government	Origin	Government
002202	Origin	Government	Origin	Government
0023	Origin	Government	Origin	Government
002301	Origin	Government	Origin	Government
002302	Origin	Government	Origin	Government
002303	Origin	Government	Origin	Government

002304	Origin	Government	Origin	Government
002305	Origin	Government	Origin	Government
002306	Origin	Government	Origin	Government
0024	Origin	Government	Origin	Government
002401	Origin	Government	Origin	Government
0025	Origin	Government	Origin	Government
002501	Origin	Government	Origin	Government
002502	Origin	Government	Origin	Government
002503	Origin	Government	Origin	Government
002504	Origin	Government	Origin	Government
002505	Origin	Government	Origin	Government
002506	Origin	Government	Origin	Government
002507	Origin	Government	Origin	Government
0026	Origin	Government	Origin	Government
002601	Origin	Government	Origin	Government
002602	Origin	Government	Origin	Government
002603	Origin	Government	Origin	Government
002604	Origin	Government	Origin	Government
0027	Origin	Government	Origin	Government
002701	Origin	Government	Origin	Government
002702	Origin	Government	Origin	Government
0028	Origin	Government	Origin	Government
0100	Origin	Government	Origin	Government
0101	Origin	Government	Origin	Government
0102	Origin	Government	Origin	Government
010201	Origin	Government	Origin	Government
010202	Origin	Government	Origin	Government
010203	Origin	Government	Origin	Government
010204	Origin	Government	Origin	Government
010205	Origin	Government	Origin	Government
010206	Origin	Government	Origin	Government
010207	Origin	Government	Origin	Government
0103	Origin	Government	Origin	Government
0104	Origin	Government	Origin	Government

CLAUSES INCORPORATED BY REFERENCE

52.246-3	Inspection Of Supplies Cost-Reimbursement	MAY 2001
52.246-5	Inspection Of Services Cost-Reimbursement	APR 1984
52.246-8	Inspection Of Research And Development Cost Reimbursement	MAY 2001
252.246-7000	Material Inspection And Receiving Report	MAR 2008

INSPECTION AND ACCEPTANCE

CLIN 0028 – Inspection and acceptance of all data shall be as specified on the attached Contract Data Requirements List(s), DD Form 1423.

Completion CLINs (0001, 0004, 0011) – The Aegis BMD computer programs shall be inspected by the cognizant DCMA Representative and accepted by the Aegis BMD Technical Representative for MDA/AB via DD250 following completion of a System Demonstration (Demo) and a Computer Program Acceptance panel (CPAP). Computer program maintenance efforts which result in modification of source code shall be inspected by the cognizant DCMA Representative and accepted by the Aegis BMD Technical Representative following a system test.

Once accepted by the Government, the computer programs shall be delivered in place (by drawing numbers) for shipment and further maintenance. Delivered item(s) shall be transmitted to the Government by contract letter for shipment, with individual items listed in the letter. Computer program patches shall be provided by letter of transmittal.

Hardware deliveries shall be inspected and accepted by the cognizant DCMA Representative via DD250.

Level of Effort CLINs (0007, 0017, 0020, 0022, 0023, 0025, 0026, 0102, and Option CLINs 0100 and 0101, if exercised) – Inspection and acceptance shall be made by the Contracting Officer's Representative (COR) or a designated representative of the Government.

CLIN 0020 Only: Computer program maintenance efforts which result in modification of source code shall be inspected by the cognizant DCMA Representative and accepted by the Aegis BMD Technical Representative following a system test.

Item(s) shall be transmitted to the Government by contract letter for shipment, with individual items listed in the letter. Computer program patches shall be provided by letter of transmittal.

Section F - Deliveries or Performance

DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
0001	POP 30-JUN-2010 TO 31-MAR-2012	N/A	DCMA LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449
0002	POP 30-JUN-2010 TO 31-MAR-2012	N/A	(SAME AS PREVIOUS LOCATION) FOB: Origin	Q94449
0003	POP 30-JUN-2010 TO 31-MAR-2012	N/A	(SAME AS PREVIOUS LOCATION) FOB: Origin	Q94449
0004	POP 01-OCT-2009 TO 31-DEC-2013	N/A	(SAME AS PREVIOUS LOCATION) FOB: Origin	Q94449
000401	POP 01-OCT-2009 TO 31-DEC-2013	N/A	(SAME AS PREVIOUS LOCATION) FOB: Origin	Q94449
000402	POP 01-OCT-2009 TO 31-DEC-2013	N/A	(SAME AS PREVIOUS LOCATION) FOB: Origin	Q94449
000403	POP 01-OCT-2009 TO 31-DEC-2013	N/A	(SAME AS PREVIOUS LOCATION) FOB: Origin	Q94449
0005	POP 01-OCT-2009 TO 31-DEC-2013	N/A	(SAME AS PREVIOUS LOCATION) FOB: Origin	Q94449
000501	POP 01-OCT-2009 TO 31-DEC-2013	N/A	(SAME AS PREVIOUS LOCATION) FOB: Origin	Q94449
0006	POP 01-OCT-2009 TO 31-DEC-2013	N/A	(SAME AS PREVIOUS LOCATION) FOB: Origin	Q94449
000601	POP 01-OCT-2009 TO 31-DEC-2013	N/A	(SAME AS PREVIOUS LOCATION) FOB: Origin	Q94449
000602	POP 01-OCT-2009 TO 31-DEC-2013	N/A	(SAME AS PREVIOUS LOCATION) FOB: Origin	Q94449
0007	POP 01-OCT-2009 TO 31-DEC-2014	N/A	(SAME AS PREVIOUS LOCATION) FOB: Origin	Q94449
0008	N/A	N/A	N/A	N/A
0009	N/A	N/A	N/A	N/A

0010	N/A	N/A	N/A	N/A
0011	POP 01-OCT-2009 TO 30-SEP-2011	N/A	DCMA LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449
001101	POP 01-OCT-2009 TO 30-SEP-2011	N/A	(SAME AS PREVIOUS LOCATION) FOB: Origin	Q94449
0012	POP 01-OCT-2009 TO 30-SEP-2011	N/A	(SAME AS PREVIOUS LOCATION) FOB: Origin	Q94449
001201	POP 01-OCT-2009 TO 30-SEP-2011	N/A	(SAME AS PREVIOUS LOCATION) FOB: Origin	Q94449
0013	POP 01-OCT-2009 TO 30-SEP-2011	N/A	(SAME AS PREVIOUS LOCATION) FOB: Origin	Q94449
001301	POP 01-OCT-2009 TO 30-SEP-2011	N/A	(SAME AS PREVIOUS LOCATION) FOB: Origin	Q94449
0014	N/A	N/A	N/A	N/A
0015	N/A	N/A	N/A	N/A
0016	N/A	N/A	N/A	N/A
0017	POP 01-OCT-2009 TO 30-JUN-2014	N/A	DCMA LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449
001701	POP 01-OCT-2009 TO 30-SEP-2010	N/A	(SAME AS PREVIOUS LOCATION) FOB: Origin	Q94449
0018	POP 01-OCT-2009 TO 30-SEP-2010	N/A	(SAME AS PREVIOUS LOCATION) FOB: Origin	Q94449
001801	POP 01-OCT-2009 TO 30-SEP-2010	N/A	(SAME AS PREVIOUS LOCATION) FOB: Origin	Q94449
0019	POP 01-OCT-2009 TO 30-JUN-2014	N/A	(SAME AS PREVIOUS LOCATION) FOB: Origin	Q94449
001901	POP 01-OCT-2009 TO 30-SEP-2010	N/A	(SAME AS PREVIOUS LOCATION) FOB: Origin	Q94449
0020	POP 01-OCT-2009 TO 31-DEC-2014	N/A	(SAME AS PREVIOUS LOCATION) FOB: Origin	Q94449

002001	POP 01-OCT-2009 TO 30-SEP-2010	N/A	(SAME AS PREVIOUS LOCATION) FOB: Origin	Q94449
002002	POP 01-OCT-2009 TO 30-SEP-2010	N/A	(SAME AS PREVIOUS LOCATION) FOB: Origin	Q94449
0021	POP 01-OCT-2009 TO 31-DEC-2014	N/A	(SAME AS PREVIOUS LOCATION) FOB: Origin	Q94449
002101	POP 01-OCT-2009 TO 30-SEP-2010	N/A	(SAME AS PREVIOUS LOCATION) FOB: Origin	Q94449
0022	POP 01-OCT-2009 TO 31-DEC-2014	N/A	(SAME AS PREVIOUS LOCATION) FOB: Origin	Q94449
002201	POP 01-OCT-2009 TO 30-SEP-2010	N/A	(SAME AS PREVIOUS LOCATION) FOB: Origin	Q94449
002202	POP 01-OCT-2009 TO 30-SEP-2010	N/A	(SAME AS PREVIOUS LOCATION) FOB: Origin	Q94449
0023	POP 01-OCT-2009 TO 31-DEC-2014	N/A	(SAME AS PREVIOUS LOCATION) FOB: Origin	Q94449
002301	POP 01-OCT-2009 TO 30-SEP-2010	N/A	(SAME AS PREVIOUS LOCATION) FOB: Origin	Q94449
002302	POP 01-OCT-2009 TO 30-SEP-2010	N/A	(SAME AS PREVIOUS LOCATION) FOB: Origin	Q94449
002303	POP 01-OCT-2009 TO 30-SEP-2010	N/A	(SAME AS PREVIOUS LOCATION) FOB: Origin	Q94449
002304	POP 01-OCT-2009 TO 30-SEP-2010	N/A	(SAME AS PREVIOUS LOCATION) FOB: Origin	Q94449
002305	POP 01-OCT-2009 TO 30-SEP-2010	N/A	(SAME AS PREVIOUS LOCATION) FOB: Origin	Q94449
002306	POP 01-OCT-2009 TO 30-SEP-2010	N/A	(SAME AS PREVIOUS LOCATION) FOB: Origin	Q94449
0024	POP 01-OCT-2009 TO 31-DEC-2014	N/A	(SAME AS PREVIOUS LOCATION) FOB: Origin	Q94449
002401	POP 01-OCT-2009 TO 30-SEP-2010	N/A	(SAME AS PREVIOUS LOCATION) FOB: Origin	Q94449
0025	POP 01-OCT-2009 TO 31-DEC-2014	N/A	(SAME AS PREVIOUS LOCATION) FOB: Origin	Q94449
002501	POP 01-OCT-2009 TO 30-SEP-2010	N/A	(SAME AS PREVIOUS LOCATION) FOB: Origin	Q94449

002502	POP 01-OCT-2009 TO 30-SEP-2010	N/A	(SAME AS PREVIOUS LOCATION) FOB: Origin	Q94449
002503	POP 01-OCT-2009 TO 30-SEP-2010	N/A	(SAME AS PREVIOUS LOCATION) FOB: Origin	Q94449
002504	POP 01-OCT-2009 TO 30-SEP-2010	N/A	(SAME AS PREVIOUS LOCATION) FOB: Origin	Q94449
002505	POP 01-OCT-2009 TO 30-SEP-2010	N/A	(SAME AS PREVIOUS LOCATION) FOB: Origin	Q94449
002506	POP 01-OCT-2009 TO 30-SEP-2010	N/A	(SAME AS PREVIOUS LOCATION) FOB: Origin	Q94449
002507	POP 01-OCT-2009 TO 30-SEP-2010	N/A	(SAME AS PREVIOUS LOCATION) FOB: Origin	Q94449
0026	POP 01-OCT-2009 TO 31-DEC-2014	N/A	(SAME AS PREVIOUS LOCATION) FOB: Origin	Q94449
002601	POP 01-OCT-2009 TO 30-APR-2010	N/A	(SAME AS PREVIOUS LOCATION) FOB: Origin	Q94449
002602	POP 01-OCT-2009 TO 30-APR-2010	N/A	(SAME AS PREVIOUS LOCATION) FOB: Origin	Q94449
002603	POP 01-OCT-2009 TO 30-APR-2010	N/A	(SAME AS PREVIOUS LOCATION) FOB: Origin	Q94449
002604	POP 01-OCT-2009 TO 30-SEP-2010	N/A	(SAME AS PREVIOUS LOCATION) FOB: Origin	Q94449
0027	POP 01-OCT-2009 TO 31-DEC-2014	N/A	(SAME AS PREVIOUS LOCATION) FOB: Origin	Q94449
002701	POP 01-OCT-2009 TO 30-APR-2010	N/A	(SAME AS PREVIOUS LOCATION) FOB: Origin	Q94449
002702	POP 01-OCT-2009 TO 30-APR-2010	N/A	(SAME AS PREVIOUS LOCATION) FOB: Origin	Q94449
0028	POP 01-OCT-2009 TO 31-DEC-2014	N/A	(SAME AS PREVIOUS LOCATION) FOB: Origin	Q94449
0100	POP 01-APR-2010 TO 31-DEC-2013	N/A	(SAME AS PREVIOUS LOCATION) FOB: Origin	Q94449
0101	POP 01-OCT-2011 TO 30-SEP-2013	N/A	(SAME AS PREVIOUS LOCATION) FOB: Origin	Q94449

0102	POP 01-OCT-2009 TO 31-DEC-2014	N/A	(SAME AS PREVIOUS LOCATION) FOB: Origin	Q94449
010201	POP 01-OCT-2009 TO 31-DEC-2014	N/A	(SAME AS PREVIOUS LOCATION) FOB: Origin	Q94449
010202	POP 01-OCT-2009 TO 31-DEC-2014	N/A	(SAME AS PREVIOUS LOCATION) FOB: Origin	Q94449
010203	POP 01-OCT-2009 TO 31-DEC-2014	N/A	(SAME AS PREVIOUS LOCATION) FOB: Origin	Q94449
010204	POP 01-OCT-2009 TO 31-DEC-2014	N/A	(SAME AS PREVIOUS LOCATION) FOB: Origin	Q94449
010205	POP 01-OCT-2009 TO 31-DEC-2014	N/A	(SAME AS PREVIOUS LOCATION) FOB: Origin	Q94449
010206	POP 01-OCT-2009 TO 31-DEC-2014	N/A	(SAME AS PREVIOUS LOCATION) FOB: Origin	Q94449
010207	POP 01-OCT-2009 TO 31-DEC-2014	N/A	(SAME AS PREVIOUS LOCATION) FOB: Origin	Q94449
0103	POP 01-APR-2010 TO 31-DEC-2013	N/A	(SAME AS PREVIOUS LOCATION) FOB: Origin	Q94449
0104	POP 01-OCT-2011 TO 30-SEP-2013	N/A	(SAME AS PREVIOUS LOCATION) FOB: Origin	Q94449

CLAUSES INCORPORATED BY REFERENCE

52.242-15 Alt I	Stop-Work Order (Aug 1989) - Alternate I	APR 1984
52.247-65	F.O.B. Origin, Prepaid Freight--Small Package Shipments	JAN 1991

Section G - Contract Administration Data

ACCOUNTING AND APPROPRIATION DATA

AA: 9790400.2520 9 BM 2520 40603892C00 255Y S12135 MD9E10910C6644 920556
AMOUNT: (b)(4)
CIN AB9JMM966440001: (b)(4)

AB: 9790400.2520 9 BM 2520 40603892C00 255Y S12135 MD9E109B1C6651 920503
AMOUNT: (b)(4)
CIN AB9JMM966510001: (b)(4)

AC: 9790400.2520 9 BM 2520 40603892C00 255Y S12135 MD9B118C3C6652 920780
AMOUNT: (b)(4)
CIN AB9JMM966520001: (b)(4)

AD: 9790400.2520 9 BM 2520 40603892C00 255Y S12135 MD9B118C3C6653 920780
AMOUNT: (b)(4)
CIN AB9JMM966530001: (b)(4)

AE: 9790400.2520 9 BM 2520 40603892C00 255Y S12135 MD9X309A0C6655 920345
AMOUNT: (b)(4)
CIN AB9JMM966550001: (b)(4)

AF: 9790400.2520 9 BM 2520 40603892C00 255Y S12135 MD9B118C3C6656 920780
AMOUNT: (b)(4)
CIN AB9JMM966560001: (b)(4)

AG: 9790400.2520 9 BM 2520 40603892C00 255Y S12135 MD9E109A7C6691 920568
AMOUNT: (b)(4)
CIN AB9JMM966910001: (b)(4)

AH: 9790400.2520 9 BM 2520 40603892C00 255Y S12135 MD9E109A7C6692 920568
AMOUNT: (b)(4)
CIN AB9JMM966920001: (b)(4)

AJ: 9790400.2520 9 BM 2520 40603892C00 255Y S12135 MD9E109A7C6693 920568
AMOUNT: (b)(4)
CIN AB9JMM966930001: (b)(4)

AK: 9790400.2520 9 BM 2520 40603892C00 255Y S12135 MD9E10920C6657 920558
AMOUNT: (b)(4)
CIN AB9JMM966570001: (b)(4)

AL: 9790400.2520 9 BM 2520 40603892C00 255Y S12135 MD9X309A0C6658 920345
AMOUNT: (b)(4)
CIN AB9JMM966580001: (b)(4)

AM: 9790400.2520 9 BM 2520 40603892C00 255Y S12135 MD9X309A0C6659 920345
AMOUNT: (b)(4)
CIN AB9JMM966590001: (b)(4)

AN: 9790400.2520 9 BM 2520 40603892C00 255Y S12135 MD9W109A0C6677 920337
AMOUNT: (b)(4)
CIN AB9JMM966770001: (b)(4)

AP: 9790400.2520 9 BM 2520 40603892C00 255Y S12135 MD9W109A0C6676 920337
AMOUNT: (b)(4)
CIN AB9JMM966760001: (b)(4)

AQ: 9790400.2520 9 BM 2520 40603892C00 255Y S12135 MD9W109A0C6667 920337
AMOUNT: (b)(4)
CIN AB9JMM966670001: (b)(4)

AR: 9790400.2520 9 BM 2520 40603892C00 255Y S12135 MD9X309A0C6668 920345
AMOUNT: (b)(4)
CIN AB9JMM966680001: (b)(4)

AS: 9790400.2520 9 BM 2520 40603892C00 255Y S12135 MD9W109A0C6669 920337
AMOUNT: (b)(4)
CIN AB9JMM966690001: (b)(4)

AT: 9790400.2520 9 BM 2520 40603892C00 255Y S12135 MD9B118A2C6670 920519
AMOUNT: (b)(4)
CIN AB9JMM966700001: (b)(4)

AU: 9790400.2520 9 BM 2520 40603892C00 255Y S12135 MD9W109I0C6672 920341
AMOUNT: (b)(4)
CIN AB9JMM966720001: (b)(4)

AV: 9790400.2520 9 BM 2520 40603892C00 255Y S12135 MD9E109A7C6686 920568
AMOUNT: (b)(4)
CIN AB9JMM966860001: (b)(4)

AW: 9790400.2520 9 BM 2520 40603892C00 255Y S12135 MD9E109A7C6690 920568
AMOUNT: (b)(4)
CIN AB9JMM966900001: (b)(4)

AX: 9790400.2520 9 BM 2520 40603892C00 255Y S12135 MD9E109C0C6678 920563
AMOUNT: (b)(4)
CIN AB9JMM966780001: (b)(4)

AY: 9790400.2520 9 BM 2520 40603892C00 255Y S12135 MD9E109C0C6679 920563
AMOUNT: (b)(4)
CIN AB9JMM966790001: (b)(4)

AZ: 9790400.2520 9 BM 2520 40603892C00 255Y S12135 MD9E209B1C6680 920562
AMOUNT: (b)(4)
CIN AB9JMM966800001: (b)(4)

BA: 9790400.2520 9 BM 2520 40603892C00 255Y S12135 MD9B109G0C6681 920323
AMOUNT: (b)(4)
CIN AB9JMM966810001: (b)(4)

BB: 9790400.2520 9 BM 2520 40603892C00 255Y S12135 MD9X309C0C6683 920566
AMOUNT: (b)(4)
CIN AB9JMM966830001: (b)(4)

BC: 9790400.2520 9 BM 2520 40603892C00 255Y S12135 MD9B209A0C6684 920327
AMOUNT: (b)(4)
CIN AB9JMM966840001: (b)(4)

BD: 9790400.2520 9 BM 2520 40603892C00 255Y S12135 MD9B118A2C6685 920519
AMOUNT: (b)(4)
CIN AB9JMM966850001: (b)(4)

BE: 9790400.2520 9 BM 2520 40603892C00 255Y S12135 MD9B118A1C6673 920518
AMOUNT: (b)(4)
CIN AB9JMM966730001: (b)(4)

BF: 9790400.2520 9 BM 2520 40603892C00 255Y S12135 MD9W109I0C6674 920341
AMOUNT: (b)(4)
CIN AB9JMM966740001: (b)(4)

BG: 9790400.2520 9 BM 2520 40603892C00 255Y S12135 MD9X309C0C6695 920566
 AMOUNT: (b)(4)
 CIN AB9JMM966950001: (b)(4)

BH: 1791319 85YV 253 SASWF 0 068342 2D 980110 318030000010
 AMOUNT: (b)(4)
 CIN N0002409MP123410001: (b)(4)
 CIN N0002409MP123410002: (b)(4)

BJ: 9790400.2520 9 BM 2520 40603892C00 255Y S12135 MD9W109I0C6675 920341
 AMOUNT: (b)(4)
 CIN AB9JMM966750001: (b)(4)

BK: 97-11X8242 80JU 252 4Q452 0 068342 2D CCXT04 E4475 ESS 104Z
 AMOUNT: (b)(4)
 CIN N0002408MP502870001: (b)(4)

BL: 97-11X8242 8QNL 252 4Q452 0 068342 2D CCXT01 W44GSESS101Z
 AMOUNT: (b)(4)
 CIN N0002408MP504180001: (b)(4)

BM: 97-11X8242 8LJU 252 4Q452 0 068342 2D CCXT01 W44GBESS101Z
 AMOUNT: (b)(4)
 CIN N0002408MP508600001: (b)(4)

BN: 97-11X8242 2862 252 74622 0 065916 2D PJAH44 835060010CAM
 AMOUNT: (b)(4)
 CIN N0002409MP601360001: (b)(4)

BP: 97-11X8242 2862 252 74622 0 065916 2D PJAH44 835060060CAM
 AMOUNT: (b)(4)
 CIN N0002409MP601360002: (b)(4)

BQ: 97-11X8242 2862 252 74622 0 065916 2D PJAH44 835080020CAM
 AMOUNT: (b)(4)
 CIN N0002409MP601360003: (b)(4)

BR: 97-11X8242 2862 252 74622 0 065916 2D PJAH44 835060050CAM
 AMOUNT: (b)(4)
 CIN N0002409MP601360004: (b)(4)

BS: 1701319 A5BJ 253 SASWS 0 068342 2D 960510 K32320000010
 AMOUNT: (b)(4)
 CIN N0002410MP106450001: (b)(4)
 CIN N0002410MP106780001: (b)(4)
 CIN N0002410MP106790001: (b)(4)

CLAUSES INCORPORATED BY FULL TEXT

G-01 CONTRACT ADMINISTRATION (APR 2009)

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 point of contact for all contractual matters is:

Name: (b)(6)
Organizational Code: MDA/DACG
Telephone Number: (b)(6)
E-Mail Address: (b)(6)

b. CONTRACTING OFFICER'S REPRESENTATIVE

The Contracting Officer's Representative (COR) is not 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 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 or a COR 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 COR under this contract is:

Name: (b)(6)
Organizational Code: MDA/AB
Telephone Number: (b)(6)
E-Mail Address: (b)(6)

c. CONTRACTING OFFICIAL FOR eSRS

FAR 52.219-9, Small Business Subcontracting Plan (April 2008) requires the use of the Electronic Subcontracting Reporting System (eSRS) for subcontract reporting. The contracting official for eSRS under this contract is:

Name: N/A
Organizational Code:
Telephone Number:
E-Mail Address:

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

CLAUSES INCORPORATED BY FULL TEXT

G-05 SUBMISSION OF PAYMENT REQUESTS USING WIDE AREA WORK FLOW – RECEIPT AND ACCEPTANCE (WAWF-RA) (SEP 2009)

a. Requirement for Electronic Payment Requests by WAWF-RA

1. The Contractor shall submit all payment requests electronically in accordance with FAR Part 32. As prescribed in DFARS clause 252.232-7003, Electronic Submission of Payment Requests and Receiving Reports, contractors shall submit all payment requests in electronic form unless the exception in the DFARS clause applies. Paper copies will no longer be processed for payment.

2. To facilitate electronic submission, contractors shall submit all payment requests through the Wide Area Work Flow-Receipt and Acceptance (WAWF-RA) System as described at <http://www.dfas.mil/contractorpay/electroniccommerce/wideareaworkflow.html> using the appropriate Service Acceptor's DoDAAC (MDA/NCR is HQ0006, MDIOC is H95001, MDA/HSV is HQ0147, Dahlgren is HQ0276). When using WAWF-RA, the contractor must include the Contracting Officer's Representative's (COR) e-mail in the invoice submission template in order to notify the COR that a WAWF document has been submitted for approval.

3. In accordance with Appendix F of the DFARS, at the time of each delivery of supplies or services under this contract, the contractor shall prepare and furnish to the Government the WAWF-RA electronic form in lieu of a paper copy Material Inspection and Receiving Report (MIRR), DD Form 250.

4. When requesting final payment, the Contractor must establish compliance with all terms of the contract by submitting a Final Receiving Report through WAWF-RA, or Letter of Transmittal, as applicable.

5. The WAWF Training Links are located on the Internet at <http://www.wawftraining.com/> and on the 'live' site at <https://wawf.eb.mil> under "About WAWF".

6. Questions regarding the use of the system are to be directed to the WAWF Help Desk:

DISA DECC Ogden
Electronic Business Service Desk
CONUS ONLY: 1-866-618-5988
COMMERCIAL: 801-605-7095
DSN: 338-7095
FAX COMMERCIAL: 801-605-7453
FAX DSN: 388-7453

(b)(6)

b. Submission of Invoices under Fixed Price Type Contracts

1. "Invoice" as used in this paragraph does not include the contractor's requests for progress payments.

2. The use of WAWF-RA electronic form and invoice are in accordance with DFARS Appendix F.

3. In addition to the requirements of the Prompt Payment clause of the contract, the contractor shall cite on each invoice the contract line item (CLIN); the contract subline item number (SUBCLIN), if applicable; the accounting classification reference number (ACRN), and the payment terms.

4. The contractor shall prepare either:

a separate invoice for each activity designated to receive the supplies or services; or,

a consolidated invoice covering all shipments delivered under an individual order.

5. If acceptance is at origin, the contractor shall submit the WAWF-RA electronic form or other acceptance verification directly to the designated payment office.

6. If acceptance is at destination, the consignee will forward acceptance verification to the designated payment office.

OR

b. Submission of Vouchers under Time and Materials and Cost Type Contracts

1. Contractors approved under the Defense Contract Audit Agency's (DCAA) direct billing program may submit the first and subsequent interim vouchers directly to the disbursing office. Contractors participating in the direct billing program must provide a copy of the first interim voucher to the cognizant DCAA office within 5 days of its submission to the disbursing office.

2. Upon written notification to the contractor, DCAA may rescind the direct submission authority. Upon receipt of the notice to rescind the direct submission authority, the contractor will immediately begin to submit invoices for the affected contracts to DCAA.

3. When authorized by the DCAA in accordance with DFARS 242.803(b) (i) (C), the contractor may submit interim payment requests. Such authorization does not extend to the first and final vouchers. Vouchers requesting interim payments shall be submitted no more than once every two weeks. For indefinite delivery type contracts, interim payment requests shall be submitted no more than once every two weeks for each delivery order. There shall be a lapse of no more than 90 calendar days between performance and submission of an interim payment request.

4. The contractor agrees to segregate costs incurred under this contract at the level of performance, either task or subtask, or CLIN or SUBCLIN, rather than on a total contract basis, and to submit vouchers reflecting costs incurred at that level. Vouchers shall contain summaries of work charged during the period covered, as well as overall cumulative summaries for all work invoiced to date, by line item, subline item, task or subtask. Delivery orders will be segregated by individual order.

5. Prior to final voucher submission, the contractor must submit the final report/final deliverable to the contracting officer's representative (COR) for approval. The COR will provide to the contractor an e-mail stating acceptance of the final report/final deliverable. The contractor must attach the approval to the final voucher in WAWF and forward to the cognizant DCAA office and ACO for approval.

CLAUSES INCORPORATED BY FULL TEXT

G-06 ALLOTMENT OF FUNDS (MAY 2005)

Pursuant to FAR 52.232-22, "Limitation of Funds," the total amount of funds presently available for payment and allotted to this contract (which covers all items, including fee payable), and the estimated period of performance said funds cover, are as follow:

CLIN	SLIN	ACRN	Cost to LM	IF	AF	Performance Incentive	TOTAL
0004	000401	AA	(b)(4)	(b)(4)			(b)(4)
	000402	AB					

	000403	AC	(b)(4)	(b)(4)			(b)(4)
Subtotal							
0005	000501	AD			(b)(4)		(b)(4)
Subtotal							
0006	000601	AE				(b)(4)	
	000602	AF					(b)(4)
Subtotal							
0011	001101	BS	(b)(4)	(b)(4)			(b)(4)
Subtotal							
0012	001201	BS			(b)(4)		(b)(4)
Subtotal							
0013	001301	BS				(b)(4)	(b)(4)
Subtotal							
0017	001701	AG	(b)(4)	(b)(4)			(b)(4),(b)(7)(C)
Subtotal							
0018	001801	AH			(b)(4)		(b)(4)
Subtotal							
0019	001901	AJ				(b)(4)	(b)(4)
Subtotal							
0020	002001	AK	(b)(4)	(b)(4)			(b)(4)
	002002	AL					
Subtotal							
0021	002101	AM			(b)(4)		(b)(4)
Subtotal							
0022	002201	AN	(b)(4)		(b)(4)		(b)(4)
	002202	AP					
Subtotal							
0023	002301	AQ	(b)(4)	(b)(4)			(b)(4)
	002302	AR					
	002303	AS					
	002304	AT					
	002305	AU					
	002306	AV					
Subtotal							
0024	002401	AW			(b)(4)		(b)(4)
Subtotal							

0025	002501	AX	(b)(4)		(b)(4)		(b)(4)
	002502	AY					
	002503	AZ					
	002504	BA					
	002505	BB					
	002506	BC					
	002507	BD					
Subtotal							
0026	002601	BE	(b)(4)	(b)(4)			(b)(4)
	002602	BF					
	002603	BG					
	002604	BH					
Subtotal							
0027	002701	BH			(b)(4)		
	002702	BJ					
Subtotal							(b)(4)
0102	010201	BK	(b)(4)				(b)(4)
	010202	BL					
	010203	BM					
	010204	BN					
	010205	BP					
	010206	BQ					
	010207	BR					
Subtotal							
TOTAL							(b)(4)

CLAUSES INCORPORATED BY FULL TEXT

G-07 PAYMENT INSTRUCTIONS FOR MULTIPLE ACCOUNTING CLASSIFICATION CITATIONS (APR 2009)

All CLINs and associated Option CLINs, may be funded by multiple accounting classifications. The Contractor shall segregate cost and submit vouchers as required by provision, Submission of Payment Requests Using Wide Area Work Flow – Receipt and Acceptance (WAWF-RA). The Defense Finance and Accounting Service (DFAS) shall make payments from those Accounting Classification Record Numbers (ACRNs) assigned each CLIN as described in the Accounting and Appropriation Data.

ID OF CORRESPONDENCE

All correspondence and data submitted by the Contractor under this contract shall reference the contract number.

PATENT INFORMATION

Patent information, in accordance with DFARS 252.227-7038, "Patent Rights – Ownership by the Contractor (Large Business)", shall be forwarded through the Procuring Contracting Officer to:

Office of the Secretary of Defense
Missile Defense Agency, MDA/GC
7100 Defense Pentagon
Washington, DC 20301-7100

Section H - Special Contract Requirements

CLAUSES INCORPORATED BY FULL TEXT

H-06 INSURANCE (MAY 2005)

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

TYPES OF INSURANCE	MINIMUM AMOUNT
Workmen's Compensation and all occupational disease	As required by State law
Employer's Liability including all occupational disease when not covered by Workmen's Compensation above	\$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-08 PUBLIC RELEASE OF INFORMATION (MAY 2005)

a. The policies and procedures outlined herein apply to information submitted by the Contractor and his subcontractors for approval for public release. Prior to public release, all information shall be cleared as shown in the "National Industrial Security Program Operations Manual" (DoD 5220.22-M). At a minimum, these materials may be technical papers, presentations, articles for publication and speeches or mass media material, such as press releases, photographs, fact sheets, advertising, posters, compact discs, videos, etc.

b. All materials which relate to the work performed by the contractor under this contract shall be submitted to MDA for review and approval prior to release to the public. Subcontractor public information materials shall be submitted for approval through the prime contractor to MDA.

c. The MDA review and approval process for contractors working under an MDA contract starts with the contracting officer's representative (COR) when they are located at the MDA National Capital Region (NCR—address same as paragraph j. below), and the contracting officer (who signed contract on cover sheet for contract award, or designated replacement) for all other contracts.

(1) The contractor shall request a copy of MDA form "Clearance Request For Public Release of Information" (.pdf format) or any superseding form from the MDA COR or contracting officer (when COR is external to MDA NCR).

(2) The contractor shall complete Blocks 1, 2, 3 and 6 of the Clearance Request form (or comply with the instructions of any superseding form) and submit it with materials to be cleared to the COR (see paragraph j. below). If the information was previously cleared, provide the Public Release Case Number if available and a copy of the previous document highlighting the updated information.

(3) The COR may affirm “public releaseability” by signing the Statement of Certification in Block 7 of the Clearance Request.

(4) The COR will forward the Clearance Request with the materials to be cleared to the MDA designated point of contact for Block 8 approval and submission of package to MDA/DC.

(5) The MDA COR or contracting officer (when COR is external to MDA NCR) will notify the contractor of the agency’s final decision regarding the status of the request.

d. The contractor shall submit the following to the COR at least 45 days in advance of the proposed release date:

(1) Seven (7) copies of each item.

(2) Written statement, including:

- (a) To whom the material is to be released
- (b) Desired date for public release
- (c) Statement that the material has been reviewed and approved by officials of the contractor or the subcontractor, for public release, and
- (d) The contract number.

e. The items submitted must be complete. Photographs shall have captions.

f. Outlines, rough drafts, marked-up copy (with handwritten notes), incorrect distribution statements, FOUO information, export controlled or ITAR information will not be accepted or cleared.

g. Abstracts or abbreviated materials may be submitted if the intent is to determine the feasibility of going further in preparing a complete paper for clearance. However, clearance of abstracts or abbreviated materials does not satisfy the requirement for clearance of the entire paper.

h. The MDA Director of Communications (MDA/DC) is responsible for coordinating the public release review. MDA/DC will work directly with the COR if there are questions or concerns regarding submissions. MDA/DC will not work with contractors who have not gone through their COR.

i. Once information has been cleared for public release, it is in the public domain and shall always be used in its originally cleared context and format. Information previously cleared for public release but containing new, modified or further developed information must be submitted again for public release following the steps outlined in items a. through h. above.

j. Due to time and screening constraints, it is recommended that all “public release” packages submitted to MDA be forwarded by a commercial overnight delivery service, addressed as follows:

Missile Defense Agency/AB
 Attn: (b)(6)
 17211 Avenue D, Suite 160
 Dahlgren, VA 22448-5148

* Insert name of COR or, if information is being forwarded by COR to MDA, insert the name of the Contracting Officer.

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 (APR 2009)

a. The Contractor shall submit all required visit clearances in accordance with current NISPOM regulations and will forward all visit requests, identifying the contract number, to:

Missile Defense Agency,
Security Operations Center
7100 Defense Pentagon
Washington, DC 20301-7100
Telephone No.: (703) 697-8204 Facsimile No.: (703) 693-1526

b. The COR is authorized to approve visit requests for the Contracting Officer.

H-12 CONTROL OF ACCESS TO MDA SPACES AND INFORMATION SYSTEMS (MAY 2005)

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 and employee initiated termination of services and to temporary suspension of services.

b. The contractor will cooperate with COR in taking the following actions (facilitating the employee's return of all badges, keycards, and passes). Specifically, upon notification, the COR will work with the Technical Area Security Officer (TASO)/Office Security Manager (OSM) to ensure timely action to:

- (1) remove the employee from the current Visit Authorization Request/Letter;
- (2) cancel the MDA badge, keycard and Pentagon Pass issued pursuant to the Visit Authorization Request/Letter; and
- (3) terminate the MDA LAN account/access privileges.

c. 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 made on the same working day as the termination/suspension action.

H-15 EXERCISE OF OPTIONS (MAY 2005)

Any option under this contract shall be exercised by a unilateral contract modification signed by the Contracting Officer. Specific contract line items or sub-line items delineating a description of the supplies or services, quantity requirements, and a corresponding delivery schedule for the exercised options shall be identified in the unilateral contract modification. The Government may exercise from time to time, either in whole or in part, some or all the option line items. An option shall be exercised within 60 days of the option period of performance start date listed in the table below, with the exception of CLIN 0007, Emergent Threat.

CLIN	Period of Performance
0001 – 0003	30 June 2010 – 31 Dec 2011
0007	1 Oct 2009 – 31 Dec 2014
0100	1 Apr 2010 – 31 Dec 2013
0101	1 Oct 2011 – 31 Dec 2013
0103	1 Apr 2010 – 31 Dec 2013
0104	1 Oct 2011 – 31 Dec 2013

LEVEL OF EFFORT

(a) The contractor agrees to provide the total level of effort specified in this clause in the performance of the work described in Section B and the statement of work of this contract. The total level of effort for the performance of this contract shall be (b)(4) total man-hours of direct labor, including subcontractor direct labor for those subcontractors specifically identified in the contractor's proposal as having hours included in the proposed level of effort. The following table breaks out the hours identified above by CLIN:

CLIN	HOURS
0007 (Option)	(b)(4)
0017	
0020	
0022	
0023	

0025		(b)(4)
0026		
0100 (Option)		
0101 (Option)		
0102		

(b) Of the total man-hours of direct labor set forth above, it is estimated that zero (0) man-hours are uncompensated effort.

Uncompensated effort is defined as hours provided by personnel in excess of 40 hours per week without additional compensation for such excess work. All other effort is defined as compensated effort. If no effort is indicated in the first sentence of this paragraph, uncompensated effort performed by the contractor shall not be counted in fulfillment of the level of effort obligations under this contract.

(c) Effort performed in fulfilling the total level of effort obligations specified above shall only include effort performed in direct support of this contract and shall not include time and effort expended on such things as local travel to and from an employee's usual work location, uncompensated effort while on travel status, truncated lunch periods, work (actual or inferred) at an employee's residence or other non-work locations (except as provided in paragraph (j) below), or other time and effort which does not have a specific and direct contribution to the tasks described in Section B and the statement of work.

(d) The level of effort for this contract shall be expended at an average rate of approximately (b)(4) hours per week. It is understood and agreed that the rate of man-hours per month may fluctuate in pursuit of the technical objective, provided such fluctuation does not result in the use of the total man-hours of effort prior to the expiration of the term hereof, except as provided in the following paragraph.

(e) If, during the terms hereof, the contractor finds it necessary to accelerate the expenditure of direct labor to such an extent that the total man-hours of effort specified above would be used prior to the expiration of the term, the contractor shall notify the contracting officer in writing setting forth the acceleration required, the probable benefits which would result, and an offer to undertake the acceleration at no increase in the estimated cost or fee together with an offer, setting forth a proposed level of effort, cost breakdown, and proposed fee, for continuation of the work until expiration of the term hereof. The offer shall provide that the work proposed will be subject to the terms and conditions of this contract and any additions or changes required by then current law, regulations, or directives, and that the offer, with a written notice of acceptance by the Contracting Officer, shall constitute a binding contract. The contractor shall not accelerate any effort until receipt of such written approval by the contracting officer. Any agreement to accelerate will be formalized by contract modification.

(f) The Contracting Officer may, by written order, direct the contractor to accelerate the expenditure of direct labor such that the man-hours of effort specified in paragraph (a) above would be used prior to the expiration of the term. This order shall specify the acceleration required and the resulting revised term. The contractor shall acknowledge this order within five days of receipt.

(g) If the total level of effort specified in paragraph (a) above is not provided by the contractor during the period of the contract, the Contracting Officer, at its sole discretion, shall either (i) reduce the fee of this contract in accordance with "NOTE A" of Section B (for CPIF CLINs ONLY);

Or (ii) subject to the provisions of the clause of this contract entitled "Limitation of Cost" (FAR 52.232-20) or "Limitation of Funds" (FAR 52.232-22) as applicable, require the contractor to continue to perform the work until the total number of man-hours of direct labor specified in paragraph (a) above shall have been expended, at no increase in the fee of this contract.

(h) The contractor shall provide and maintain an accounting system, acceptable to the Defense Contract Management Agency (DCMA) and the Defense Contract Audit Agency (DCAA), which collects costs incurred and effort (compensated or uncompensated, if any) provided in fulfillment of the level of effort obligations for this contract. The contractor shall indicate on each invoice the total level of effort claimed during the period covered by the invoice, separately identifying compensated effort and uncompensated effort, if any.

(i) Within 45 days after completion of the work under each separately identified period of performance hereunder, the contractor shall submit the following information in writing to the contracting officer with copies to the cognizant DCMA and DCAA office to which vouchers are submitted: (1) the total number of man-hours of direct labor expended during the applicable period; (2) a breakdown of this total showing the number of man-hours expended in each direct labor classification and associated direct and indirect costs; (3) a breakdown of other costs incurred; and (4) the contractor's estimate of the total allowable cost incurred under the contract for the period. Within 45 days after completion of the work under the contract, the contractor shall submit, in addition, in the case of a cost overrun; (5) the amount by which the estimated cost of this contract may be reduced to recover excess funds and, in the case of an underrun in hours specified as the total level of effort; and (6) a calculation of the appropriate fee reduction in accordance with this clause. All submissions shall include subcontractor information.

(j) Unless the contracting officer determines that alternate worksite arrangements are detrimental to contract performance, the contractor may perform up to 10% of the hours at an alternative worksite, provided the contractor has a company approved alternative worksite plan. The primary worksite is the traditional "main office" worksite. An alternative worksite means an employee's residence or telecommuting center. A telecommuting center is a geographically convenient office setting as an alternative to an employee's main office. The Government reserves the right to review the contractor's alternative worksite plan. In the event performance becomes unacceptable, the contractor will be prohibited from counting those hours performed at the alternative worksite in fulfilling the total level of effort obligations of the contract. Regardless of work location all contract terms and conditions, including security requirements and labor laws, remain in effect. The Government shall not incur any additional cost nor provide additional equipment for contract performance as a result of the contractor's election to implement an alternative worksite plan.

(k) Notwithstanding any of the provisions in the above paragraphs, the contractor may furnish man-hours up to five percent in excess of the total man-hours specified in paragraph (a) above, provided that the additional effort is furnished within the term hereof, and provided further that no increase in the estimated cost or fee is required.

TECHNICAL INSTRUCTIONS

a. General. The performance of work under this contract may be subject to written technical instructions signed by the Contracting Officer's Representative. Technical instruction procedures in this clause shall apply to all LOE CLINs, and may be used on Completion CLINs, but are not required. All Technical Instructions are subject to the terms and conditions of this contract. In the event of a conflict between a Technical Instruction and this contract, the contract shall prevail.

b. Technical instructions will be issued in written form by the Contracting Officer Representative. The Contracting Officer must review and concur with all technical instructions prior to issuance to ensure the work is within the scope of the contract.

(1) Technical instructions are defined to include the following:

(a) Directions to the contractor which suggest pursuit of certain line inquiry, shift work emphasis, fill in details or otherwise serve to accomplish the contractual statement of work.

(b) Guidelines to the contractor which assist in the interpretation of drawings, specifications or technical portions of work description.

(2) Technical instructions must be within the general scope of work stated in the contract. Technical instructions may not be used to: (1) assign additional work under the contract; (2) direct a change as defined in the "CHANGES" clause of the contract; (3) increase or decrease the contract price/cost or estimated contract amount, including fee, as applicable, the level of effort, or the time required for contract performance; or (4) change in any terms, conditions or specifications of the contract.

(3) If, in the opinion of the contractor, any technical instruction calls for effort outside the scope of the contract or is inconsistent with the contract requirement, the contractor shall notify the Contracting Officer in writing within (10) ten working days after the receipt of such technical instruction. The contractor shall not proceed with the work affected by the technical instruction unless and until the contractor has been notified by the contracting officer that the technical instruction is within the scope of the contract.

(4) Nothing in the foregoing paragraph shall be construed to excuse the contractor from performing that portion of the contractual work statement which is not affected by the disputed technical instruction.

(5) Draft Technical Instruction. The COR, Technical Representative (TECHREP), and the contractor will develop the draft technical instruction scope, estimated budget and schedule. The draft technical instruction must include the following:

- (a) contract number, CLIN and SOW reference;
- (b) description of the work to be performed;
- (c) a period of performance for the technical instruction;
- (d) description of the deliverables (as appropriate); and
- (e) specify LOE or completion, then identify number of DPLHs for LOE TI's only.

NOTE: For any FMS TI's, the following additional information must be included in the TI:

- (a) FMS Case identifier;
- (b) Foreign recipient of the defense service;
- (c) Identification of any other U.S. or foreign parties that may be involved and their roles/responsibilities, to the extent known.

NOTE: Issuance of a draft technical instruction does not authorize performance.

The draft technical instruction will be submitted to the contractor for review and coordination. Final revisions will be made by the COR (in coordination with the project engineers and system engineers). The contracting officer will verify contract ceiling, funding, period of performance, and the statement of work. Once the Government and contractor have agreed to all terms and conditions of the technical instruction, the document will be finalized for signature.

(6) Final Technical Instruction. Once all Government and Contractor Representatives agree to the stated requirements of the technical instruction, the technical instruction will be finalized for signature. The technical instruction shall include:

- (a) Proof of Contracting Officer Concurrence;
- (b) COR and AB Technical Representative Signature
- (b) Contract number, CLIN, and SOW reference;
- (c) Description of the work to be performed;
- (d) The estimated number of labor hours and estimated total target cost-plus-award-fee/cost-plus-incentive fee ceiling for the task; and
- (e) The period of performance for the technical instruction.

(7) Technical Instruction Amendments. Technical instruction amendments will be issued using the standard procedures for issuing a basic technical instruction with the exception of administrative revisions.

d. Performance. Subject to the contract terms and conditions, and unless otherwise directed by the Contracting Officer, the Contractor shall initiate performance on new technical instructions promptly upon receipt of a signed technical instruction. Performance of work on new technical instructions prior to execution of an approved technical instruction is not authorized and is at the Contractor's own risk.

e. Cost and Labor Hour Limitation.

(1) The Contractor shall incur costs under LOE CLINs in this contract only in the performance of technical instructions and amendments issued by the Contracting Officer Representative with concurrence of the Contracting Officer. No other costs are authorized without the express written consent of the Contracting Officer. The Contractor will not be paid for expenditures above the cost-plus-award-fee/cost-plus-incentive-fee ceiling of any individual technical instruction.

(2) To allow the Contractor the flexibility to utilize the optimum labor mix in performing each LOE Technical Instruction, the Contractor may, without notice to the Government, increase or decrease the approved number of hours by no more than 10% unless otherwise stated in the Technical Instruction. These adjustments are allowable only to the extent that the estimated ceiling for the Technical Instruction is not exceeded.

(3) The contractor shall notify the COR and the Contracting Officer in writing 60 days prior to achieving the 75% expended/incurred cost status on each LOE technical instruction. This date will be clearly identified on the associated technical instruction quad chart that will be used during the contract/business meetings.

ALTERNATE DISPUTES RESOLUTION

The Government and the Contractor will work together to ensure the success of the Aegis BMD program. The parties realize, however, that disagreements and disputes may arise between them. They agree to use their best efforts to resolve all disagreements and disputes quickly, efficiently and fairly. The Government prefers to resolve all issues arising under or related to the contract by negotiation, first at the Contracting Officer level, and if unresolved, at the Program Director/Manager level. If negotiations reach an impasse, the Government and the Contractor agree to consider using one or more of the ADR processes identified in 5 USC 571. In the event either party rejects the use of ADR procedures, he will inform the other in writing of the specific reasons.

The parties agree that they will establish a written ADR process, tailored to the circumstances, before beginning ADR. Typically, the agreement will address: issues requiring resolution, authorized representatives, appointment of neutrals, audit requirements, confidentiality and duration of the ADR process, suspension of litigation, and a schedule.

This provision does not prevent either party from taking any action to preserve its rights under the Contract Disputes Act or any other statute or regulation. Agreement to this provision is not a condition for award of this contract, nor will objections to this provision be considered in evaluation for award.

ASSIGNMENT AND USE OF NSN

To the extent that National Stock Numbers (NSNs) or preliminary NSNs are assigned by the Government for the identification of parts, pieces, items, subassemblies or assemblies to be furnished under this contract, the contractor shall use such NSNs or preliminary NSNs in the preparation of provisioning lists, package labels, packing lists, shipping containers and shipping documents as required by applicable specifications, standards or Data Item Descriptions of the contract or as required by orders for spare and repair parts. The cognizant Government

Contract Administration Office shall be responsible for providing the contractor such NSNs or preliminary NSNs which will be assigned and which are not already in possession of the contractor.

GOVERNMENT FURNISHED PROPERTY

The Government shall provide only that property set forth below and in Attachment J-5, notwithstanding any term or condition of this contract to the contrary. Upon contractor's written request to the cognizant Technical Program Manager, via the cognizant Contract Administration Office, the Government will furnish the following for use in the performance of the contract:

Non-Aegis Support Equipment necessary, as determined by the COR, to check out, test and maintain non-Aegis Government Property will be provided by the Government.

The Government will operate and maintain or have operated and maintained the equipment located at the Naval Systems Computing Center (NSCC) and Combat System Engineering Development Site (CSEDS) in a condition suitable for use as necessary for the performance of this contract. The Government shall be responsible for the design and performance validation of Government furnished simulators to assure the model is complete and accurate for the planned application.

RENT FREE USE OF GOV'T PROP

RENT FREE USE OF GOVERNMENT PRODUCTION AND RESEARCH PROPERTY (AS IS)

(a) The contractor may use on a rent-free basis, as necessary for the performance of this contract, all equipment and research property used in the production of Aegis Computer Programs, the S-Band Advanced Radar Prototype Program (as defined in FAR 45.301) and property used in the development, test, and manufacture of Aegis equipment, under the operation, control and accountability of the Government Property System. The said property shall be governed by the terms and conditions of the contract(s) under which it is accountable. No representative or warranty is made by the Government as to the fitness or suitability of said property for its intended use under this contract; it being understood and agreed that the said property is being made available for use under this contract on an "as is" basis.

The contractor is responsible for scheduling the use of all property referenced above in a timely manner and advising the Government promptly of any potential scheduling conflicts. If a scheduling conflict appears likely, the contractor shall provide notification to the Government representative as soon as the potential conflict is known, including a proposed workaround.

(b) If the Government limits or terminates the contractor's authority to use the above referenced property and the Government's action affects the contractor's ability to perform this contract, then an equitable adjustment shall be made in accordance with the terms and conditions of the "Changes" clause of this contract; provided however, that if the limitation or termination is due to failure by the contractor to perform its obligations under the above referenced contracts, the contractor shall be entitled only to such adjustment as the Contracting Officer determines to be appropriate under the circumstances.

INFO AND DATA FURNISHED

INFORMATION AND DATA FURNISHED BY THE GOVERNMENT

(a) Attachment J-5 incorporates by listing or specific reference, all the data or information which the Government has provided or will provide to the Contractor except for:

- (1) The specifications set forth in Section C, and
- (2) Government specifications, including drawings and other Government technical documentation which are referenced directly or indirectly in the specifications set forth in Section C and which are applicable to this contract as specifications, and which are generally available and provided to Contractors or prospective Contractors upon proper request, such as Federal or Military Specifications, and Standard Drawings, etc.

(b) Except for the specifications referred to in subparagraphs (a)(1) and (2) above, the Government will not be obligated to provide to the Contractor any specification, drawing, technical documentation or other publication which is not listed or specifically referenced in Attachment J-5, as applicable, notwithstanding anything to the contrary in the specifications, the publications listed or specifically referenced in Attachment J-5, as applicable, or any other term or condition of this contract.

(c) (1) The Contracting Officer may at any time by written order:

(i) delete, supersede, or revise, in whole or in part, data listed or specifically referenced in Attachment J-5; or

(ii) add items of data or information to Attachment J-5; or

(iii) establish or revise due dates for items of data or information in Attachment J-5, as applicable.

(2) If any action taken by the Contracting Officer pursuant to subparagraph (c)(1) immediately above causes an increase or decrease in the costs of, or the time required for, performance of any part of the work under this contract, an equitable adjustment shall be made in the contract amount and delivery schedule in accordance with the procedures provided for in the "Changes" clause of this contract.

SPECIFICATIONS AND STANDARDS

(a) Definitions:

(1) A "zero-tier reference" is a specification, standard, or drawing that is cited in the contract (including its attachments).

(2) A "first-tier reference" is either a specification, standard, or drawing cited in a zero-tier reference or a specification cited in a first-tier drawing.

(b) Requirements:

All zero-tier and first-tier references, as defined above, are mandatory for use. All lower tier references shall be used for guidance only.

GOV'T-INDUSTRY DATA EXCHANGE

GOVERNMENT-INDUSTRY DATA EXCHANGE PROGRAM

(a) The Contractor shall participate in the appropriate interchange of the Government-Industry Data Exchange Program (GIDEP) in accordance with NAVSEA S0300-BU-GYD-010 dated November 1994. Data entered is retained by the program and provided to qualified participants. Compliance with this requirement shall not relieve the Contractor from complying with any other requirements of the contract.

(b) The Contractor agrees to insert paragraph (a) of this requirement in any subcontract hereunder exceeding \$500,000. When so inserted, the word "Contractor" shall be changed to "Subcontractor".

(c) GIDEP materials, software and information are available without charge from:

GIDEP
P.O. Box 8000
Corona, CA 92878-8000

Phone: (951) 898-3207
FAX: (951) 898-3250
Internet: <http://www.gidep.org>

UPDATING SPECS AND STANDARDS UPDATING SPECIFICATIONS AND STANDARDS

If, during the performance of this or any other contract, the Contractor believes that any contract contains outdated or different versions of any specifications or standards, the Contractor may request that all of its contracts be updated to include the current version of the applicable specification or standard. Updating shall not affect the form, fit, or function of any deliverable item or increase the cost/price of the item to the Government. The Contractor should submit update requests to the Contracting Officer with copies to the Administrative Contracting Officer and the Contracting Officer's Representative for approval. The Contractor shall perform to contract in accordance with existing specifications and standards until notified of approval/ disapproval by the Contracting Officer. Any approved alternate specifications or standards will be incorporated into the contract.

OCI ORGANIZATIONAL CONFLICT OF INTEREST

a. The purpose of this clause is to describe how the Government and Contractor will work together during performance of this contract to address potential organizational conflicts of interest such as are contemplated by Federal Acquisition Regulation (FAR) 9.505. The primary purpose of this clause is to aid in ensuring that:

(1) the Contractor's scientific objectivity and judgment are not biased because of its present or currently planned interests (financial, contractual, organizational, or otherwise);

(2) the Contractor does not obtain an unfair competitive advantage by virtue of its access to non-public source selection information regarding the Government's program plans and actual or anticipated resources; and

(3) the Contractor does not obtain any unfair competitive advantage by virtue of its access to either proprietary information that was properly marked or proprietary information that was obtained from a government official without proper authorization..

b. Scope: 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 clause as prime Contractor, subcontractor, co-sponsor, joint venture, consultant, or in any similar capacity.

(1) Restrictions: The Contractor shall be restricted from participating in any separate contract for the verification, validation, accreditation, certification or evaluation of any products, including software, developed or delivered under this contract. Additionally, the Contractor shall not participate in any separate contract for the independent validation and verification (IV&V) of any software developed or delivered under this contract, absent the express written approval of the Contracting Officer.

(2) Access To and Protection of Proprietary Information: The Contractor agrees that, to the extent it receives or is given access to properly marked proprietary data, trade secrets, or other confidential or privileged technical, business, or financial information (hereinafter referred to as "proprietary data") under this contract, it shall treat such information in accordance with any restrictions imposed on such information. The Contractor further agrees to enter into a written agreement for the protection of the proprietary data of others and to exercise diligent effort to protect such proprietary data from unauthorized use or disclosure in accordance with its Corporate Policy Statement CPS 710 entitled "Protection of Sensitive Information". Notice to the Contracting Officer shall be provided in writing within 30 days of any updates to this Corporate Policy.

c. Subcontracts: The Contractor shall include the same provisions as are expressed in this clause, including this paragraph, in all subcontracts awarded for performance of any portion of this requirement. This restriction is applicable throughout the period of performance of the subcontract, and any extensions thereof by change order or supplemental agreement, and for one (1) year thereafter. When the provisions of this clause are included in a subcontract, the term "Contracting Officer" shall represent the Contractor's Supplier Management designee. Any deviations or less restrictive coverage deemed necessary or required by the prime Contractor for a particular subcontract must first be submitted to the Government Contracting Officer for approval. Subcontractors, on a case-by-case basis, may make a request, through the prime Contractor, for a revision of the OCI Clause restrictions outlined above.

d. Disclosures: If the Contractor discovers an actual or potential organizational 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.

e. 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, may disqualify the Contractor from subsequent related contractual efforts, and may 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 pursuant to the termination clause of this contract if such termination is deemed to be in the best interest of the Government.

(2) The parties recognize that this clause has potential effects that 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.

f. Post-Award OCI Reviews: The Contracting Officer may require the Contractor to submit an OCI analysis/disclosure form prior to a major contract modification or significant extension to the contract period of performance, at any time an actual or potential OCI situation is suspected or when a year or more has passed since the last OCI review. Such OCI analysis/disclosure forms shall address the current OCI status of all subcontractors.

ACA

PROGRAM SYNCHRONIZATION / ASSOCIATE CONTRACTOR AGREEMENTS (ACAs)

The Missile Defense Agency (MDA) requires the synchronized integration of platforms, sensors, and other components of the BMDS which are under separate development by multiple Contractors. MDA intends to use the concept of End-to-End (EtE) performance to serve as the organizing principle that will align and synchronize these otherwise independent efforts to achieve the desired operational BMDS. Synchronization is defined as the logical alignment of all 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. The Government will coordinate requirements to be incorporated into each contract, either as part of Requests for Proposal (RFP) for new contracts or per the "Changes" clause in respective contracts, with the affected Contractors to ensure that, when incorporated, the work to be done by each Contractor has been described in a manner to enable successful integration of other Elements with the AB Element. The Government will include the agreed upon requirements in the Statement of Work (Attachment J-1) of this contract and other Element Contractors. The work to be performed by Associate Contractors will include interface support associated with the integration of the requirements of this contract into the BMDS and support to key Missile Defense Agency (MDA) BMDS program reviews. In addition, the Contractor shall support Technical Interface/Integration Meetings (TIMs) with other BMDS Contractors and other Government agencies in pursuit of these program synchronization objectives.

In order to achieve and facilitate the required program synchronization across multiple contracts, the Government agrees that it will coordinate the synchronization and technical requirements to be incorporated into each affected contract to ensure such requirements are consistent and designed to maximize successful BMDS integration, cooperation and compatibility.

When associate contracts have been modified as described in paragraph (a.) of 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
None At Time of Award		

The Contractor shall negotiate and enter into appropriate Associate Contractor Agreements (ACAs) and Non-Disclosure Agreements (NDAs) with other BMD Contractors as necessary to implement the exchanges of information described above and protect proprietary 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 all amendments to ACAs shall be provided to the Contracting Officer so that the Government can document the flow on information.

The ACAs shall 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 proprietary data and restrictions on employees.

The Contractor is encouraged to seek out and identify to the Government other Contractors whose cooperation may benefit the BMDS with increased efficiency and productivity. If authorized in accordance with paragraph (a.) of this clause the Contractor shall negotiate and enter into appropriate ACAs and NDAs in accordance with this clause.

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

TRAVEL COSTS

(a) Except as otherwise provided herein, the Contractor shall be reimbursed for its reasonable actual travel costs in accordance with FAR 31.205-46. The costs to be reimbursed shall be those costs accepted by the cognizant DCAA.

(b) Reimbursable travel costs include only that travel performed from the Contractor's facility to the worksite, in and around the worksite, and from the worksite to the Contractor's facility.

(c) Relocation costs and travel costs incident to relocation are allowable to the extent provided in FAR 31.205-35; however, Contracting Officer approval shall be required prior to incurring relocation expenses and travel costs incident to relocation.

(d) The Contractor shall not be reimbursed for the following daily local travel costs:

(i) travel at U.S. Military Installations where Government transportation is available,

(ii) travel performed for personal convenience/errands, including commuting to and from work, and

(iii) travel costs incurred in the replacement of personnel when such replacement is accomplished for the Contractor's or employee's convenience.

ACCESS TO AND USE OF GOV'T INF

ACCESS TO AND USE OF GOVERNMENT INFORMATION

If the Contractor, in the performance of this contract, obtains access to Government information such as plans, policies, reports, studies, financial plans, or data, which is clearly identified in writing as Source Selection Information in accordance with FAR 2.101 and 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: (a) use such information for any private purpose unless the information has been released or otherwise made available to the public; (b) use such information to compete for future work, unless such information is released or otherwise made available to the public; (c) use such information in an unsolicited proposal to the Government, unless such information is released or otherwise made available to the public; or (d) release such information unless such information has previously been released or otherwise made available to the public by the Government. The Contractor agrees to be bound by its (b)(4)

(b)(4) Notice to the Contracting Officer shall be provided in writing within 30 days of any updates to this Corporate Policy.

GOV'T ACCEPTANCE OF COSS

GOVERNMENT ACCEPTANCE OF COMMERCIAL COMPUTER SOFTWARE AND OPEN SOURCE SOFTWARE (COSS) LIST

The Contractor warrants that this transfer of COSS is properly effected, i.e., it has obtained any required consent from the supplier, the transfer has been conducted in accordance with the terms and conditions of any applicable software license, or no restrictions preclude these transfers. The contractor also warrants that the COSS licenses were in effect at the time of this transfer and that the Contractor was not aware of any proposed terminations (any scheduled expiration dates for the transferred COSS licenses of which the Contractor is aware are provided by

separate written notice to the Contracting Officer). The Contractor makes no other warranties regarding these items.

The Government accepts the COSS with no other warranties, except as specifically provided in the respective licenses, the open source or commercial computer software and any associated open source or commercial computer software documentation identified herein. The Government accepts the terms of the licenses for Section J, Attachment J-9, Free and Open Source Software and Commercial Computer Software (FOSS/CCS) List, and any associated open source and commercial software documentation. The Government agrees to assume all obligations under such licenses or as a result of the transfer of rights to use, and to comply with all obligations of use and/or modification of such software. The Government shall have only the rights specified in the license under which Attachment J-9, FOSS/CCS List, and any associated open source or commercial computer software documentation was obtained.

The parties agree to cooperate in the event of a claim or action alleging copyright infringement from utilization of any of Attachment J-9, FOSS/CCS List, or associated open source/commercial computer software documentation. The Contractor shall not be required to: (1) Furnish technical information related to Attachment J-9, FOSS/CCS List, and any open source or commercial computer software documentation that is not customarily provided to the public except for information documenting the specific modifications made at Government expense to such software or documentation to meet the requirements of a Government solicitation or (2) Relinquish to, or otherwise provide, the Government rights to use, modify, reproduce, release, perform, display, or disclose Attachment J-9, FOSS/CCS List, and any associated open source or commercial computer software documentation except for a transfer of rights mutually agreed upon.

The contractor shall furnish a list of newly identified commercial software and software vendors to be included at the system design review. Subsequent modifications to the list must be identified as they are made and provided to the Government. The contractor shall provide an update to the COSS list for each build 14 days prior to delivery to NSWC, Dahlgren for approval. Approval by the Government of the newly identified COSS shall be provided prior to the delivery of each build to NSWC, Dahlgren.

WITHHOLDING OF PAYMENT WITHHOLDING OF PAYMENT

As allowable under DFARS 252.227-7030, Technical Data – Withholding of Payment (MAR 2000), the Contracting Officer may specify a lesser withholding with regard to acceptance of Technical Data. Therefore, the withholding of payment to the contractor under this contract is as follows: The Contracting Officer may until such data is accepted by the Government, withhold payment to the contractor of 10% of the CLIN value vice 10% of the total contract price as stated in DFARS 252.227-7030, Technical Data – Withholding of Payment.

Section I - Contract Clauses

CLAUSES INCORPORATED BY REFERENCE

52.202-1	Definitions	JUL 2004
52.203-3	Gratuities	APR 1984
52.203-5	Covenant Against Contingent Fees	APR 1984
52.203-6	Restrictions On Subcontractor Sales To The Government	SEP 2006
52.203-7	Anti-Kickback Procedures	JUL 1995
52.203-8	Cancellation, Rescission, and Recovery of Funds for Illegal or Improper Activity	JAN 1997
52.203-10	Price Or Fee Adjustment For Illegal Or Improper Activity	JAN 1997
52.203-12	Limitation On Payments To Influence Certain Federal Transactions	SEP 2007
52.203-13	Contractor Code of Business Ethics and Conduct	DEC 2008
52.203-14	Display of Hotline Poster(s)	DEC 2007
52.204-2	Security Requirements	AUG 1996
52.204-4	Printed or Copied Double-Sided on Recycled Paper	AUG 2000
52.204-7	Central Contractor Registration	APR 2008
52.204-10	Reporting Subcontract Awards	SEP 2007
52.209-6	Protecting the Government's Interest When Subcontracting With Contractors Debarred, Suspended, or Proposed for Debarment	SEP 2006
52.211-1	Availability of Specifications Listed in the GSA Index of Federal Specifications, Standards and Commercial Item Descriptions, FPMR Part 101-29	AUG 1998
52.211-2	Availability of Specifications, Standards, and Data Item Descriptions Listed in the Acquisition Streamlining and Standardization Information System (ASSIST)	JAN 2006
52.211-5	Material Requirements	AUG 2000
52.211-15	Defense Priority And Allocation Requirements	APR 2008
52.215-2	Audit and Records--Negotiation	MAR 2009
52.215-8	Order of Precedence--Uniform Contract Format	OCT 1997
52.215-10	Price Reduction for Defective Cost or Pricing Data	OCT 1997
52.215-11	Price Reduction for Defective Cost or Pricing Data--Modifications	OCT 1997
52.215-12	Subcontractor Cost or Pricing Data	OCT 1997
52.215-13	Subcontractor Cost or Pricing Data--Modifications	OCT 1997
52.215-15	Pension Adjustments and Asset Reversions	OCT 2004
52.215-16	Facilities Capital Cost of Money	JUN 2003
52.215-18	Reversion or Adjustment of Plans for Postretirement Benefits (PRB) Other than Pensions	JUL 2005
52.215-20	Requirements for Cost or Pricing Data or Information Other Than Cost or Pricing Data	OCT 1997
52.215-21 Alt I	Requirements for Cost or Pricing Data or Information Other Than Cost or Pricing Data--Modifications (Oct 1997) - Alternate I	OCT 1997
52.216-7	Allowable Cost And Payment	DEC 2002
52.217-9	Option To Extend The Term Of The Contract	MAR 2000
52.219-8	Utilization of Small Business Concerns	MAY 2004
52.222-1	Notice To The Government Of Labor Disputes	FEB 1997
52.222-2	Payment For Overtime Premiums	JUL 1990

52.222-3	Convict Labor	JUN 2003
52.222-4	Contract Work Hours and Safety Standards Act - Overtime Compensation	JUL 2005
52.222-19	Child Labor -- Cooperation with Authorities and Remedies	AUG 2009
52.222-20	Walsh-Healey Public Contracts Act	DEC 1996
52.222-21	Prohibition Of Segregated Facilities	FEB 1999
52.222-26	Equal Opportunity	MAR 2007
52.222-35	Equal Opportunity For Special Disabled Veterans, Veterans of the Vietnam Era, and Other Eligible Veterans	SEP 2006
52.222-36	Affirmative Action For Workers With Disabilities	JUN 1998
52.222-37	Employment Reports On Special Disabled Veterans, Veterans Of The Vietnam Era, and Other Eligible Veterans	SEP 2006
52.222-50	Combating Trafficking in Persons	FEB 2009
52.223-6	Drug-Free Workplace	MAY 2001
52.223-14	Toxic Chemical Release Reporting	AUG 2003
52.225-8	Duty-Free Entry	FEB 2000
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
52.227-10	Filing Of Patent Applications--Classified Subject Matter	DEC 2007
52.228-7	Insurance--Liability To Third Persons	MAR 1996
52.230-2	Cost Accounting Standards	OCT 2008
52.230-3	Disclosure And Consistency Of Cost Accounting Practices	OCT 2008
52.230-6	Administration of Cost Accounting Standards	MAR 2008
52.232-9	Limitation On Withholding Of Payments	APR 1984
52.232-17	Interest	OCT 2008
52.232-18	Availability Of Funds	APR 1984
52.232-22	Limitation Of Funds	APR 1984
52.232-23	Assignment Of Claims	JAN 1986
52.232-25 Alt I	Prompt Payment (Oct 2008) Alternate I	FEB 2002
52.232-33	Payment by Electronic Funds Transfer--Central Contractor Registration	OCT 2003
52.233-1 Alt I	Disputes (Jul 2002) - Alternate I	DEC 1991
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
52.242-1	Notice of Intent to Disallow Costs	APR 1984
52.242-3	Penalties for Unallowable Costs	MAY 2001
52.242-4	Certification of Final Indirect Costs	JAN 1997
52.242-13	Bankruptcy	JUL 1995
52.243-2 Alt V	Changes--Cost-Reimbursement (Aug 1987) - Alternate V	APR 1984
52.243-6	Change Order Accounting	APR 1984
52.243-7	Notification Of Changes	APR 1984
52.244-5	Competition In Subcontracting	DEC 1996
52.244-6	Subcontracts for Commercial Items	AUG 2009
52.245-1	Government Property	JUN 2007
52.245-9	Use And Charges	JUN 2007
52.246-23	Limitation Of Liability	FEB 1997
52.246-24	Limitation Of Liability--High-Value Items	FEB 1997
52.246-25	Limitation Of Liability--Services	FEB 1997
52.247-1	Commercial Bill Of Lading Notations	FEB 2006

52.247-64	Preference for Privately Owned U.S. - Flag Commercial Vessels	FEB 2006
52.247-68	Report of Shipment (REPSHIP)	FEB 2006
52.248-1	Value Engineering	FEB 2000
52.249-6	Termination (Cost Reimbursement)	MAY 2004
52.249-14	Excusable Delays	APR 1984
52.251-1	Government Supply Sources	APR 1984
52.253-1	Computer Generated Forms	JAN 1991
252.201-7000	Contracting Officer's Representative	DEC 1991
252.203-7001	Prohibition On Persons Convicted of Fraud or Other Defense-Contract-Related Felonies	DEC 2008
252.204-7003	Control Of Government Personnel Work Product	APR 1992
252.204-7004 Alt A	Central Contractor Registration (52.204-7) Alternate A	SEP 2007
252.204-7005	Oral Attestation of Security Responsibilities	NOV 2001
252.205-7000	Provision Of Information To Cooperative Agreement Holders	DEC 1991
252.208-7000	Intent To Furnish Precious Metals As Government--Furnished Material	DEC 1991
252.209-7004	Subcontracting With Firms That Are Owned or Controlled By The Government of a Terrorist Country	DEC 2006
252.211-7000	Acquisition Streamlining	DEC 1991
252.211-7003	Item Identification and Valuation	AUG 2008
252.211-7007	Reporting of Government-Furnished Equipment in the DoD Item Unique Identification (IUID) Registry	NOV 2008
252.215-7000	Pricing Adjustments	DEC 1991
252.215-7002	Cost Estimating System Requirements	DEC 2006
252.215-7003	Excessive Pass-Through Charges--Identification of Subcontract Effort	MAY 2008
252.215-7004	Excessive Pass-Through Charges	MAY 2008
252.219-7004	Small Business Subcontracting Plan (Test Program)	AUG 2008
252.223-7002	Safety Precautions For Ammunition And Explosives	MAY 1994
252.223-7004	Drug Free Work Force	SEP 1988
252.223-7006	Prohibition On Storage And Disposal Of Toxic And Hazardous Materials	APR 1993
252.225-7001	Buy American Act And Balance Of Payments Program	JAN 2009
252.225-7002	Qualifying Country Sources As Subcontractors	APR 2003
252.225-7004	Report of Contract Performance Outside the United States and Canada--Submission after Award	MAY 2007
252.225-7012	Preference For Certain Domestic Commodities	DEC 2008
252.225-7013	Duty-Free Entry	OCT 2006
252.225-7015	Restriction on Acquisition of Hand Or Measuring Tools	JUN 2005
252.225-7016	Restriction On Acquisition Of Ball and Roller Bearings	MAR 2006
252.225-7025	Restriction on Acquisition of Forgings	JUL 2006
252.225-7031	Secondary Arab Boycott Of Israel	JUN 2005
252.226-7001	Utilization of Indian Organizations and Indian-Owned Economic Enterprises, and Native Hawaiian Small Business Concerns	SEP 2004
252.227-7013	Rights in Technical Data--Noncommercial Items	NOV 1995
252.227-7014	Rights in Noncommercial Computer Software and Noncommercial Computer Software Documentation	JUN 1995
252.227-7016	Rights in Bid or Proposal Information	JUN 1995
252.227-7017	Identification and Assertion of Use, Release, or Disclosure Restrictions	JUN 1995
252.227-7019	Validation of Asserted Restrictions--Computer Software	JUN 1995

252.227-7027	Deferred Ordering Of Technical Data Or Computer Software	APR 1988
252.227-7030	Technical Data--Withholding Of Payment	MAR 2000
252.227-7037	Validation of Restrictive Markings on Technical Data	SEP 1999
252.227-7038	Patent Rights--Ownership by the Contractor (Large Business)	DEC 2007
252.227-7039	Patents--Reporting Of Subject Inventions	APR 1990
252.231-7000	Supplemental Cost Principles	DEC 1991
252.232-7003	Electronic Submission of Payment Requests and Receiving Reports	MAR 2008
252.239-7000	Protection Against Compromising Emanations	JUN 2004
252.239-7001	Information Assurance Contractor Training and Certification	JAN 2008
252.242-7003	Application For U.S. Government Shipping Documentation/Instructions	DEC 1991
252.242-7004	Material Management And Accounting System	JUL 2009
252.243-7002	Requests for Equitable Adjustment	MAR 1998
252.244-7000	Subcontracts for Commercial Items and Commercial Components (DoD Contracts)	AUG 2009
252.246-7001	Warranty Of Data	DEC 1991
252.247-7023	Transportation of Supplies by Sea	MAY 2002
252.249-7002	Notification of Anticipated Program Termination or Reduction	DEC 2006
252.251-7000	Ordering From Government Supply Sources	NOV 2004

CLAUSES INCORPORATED BY FULL TEXT

52.211-14 NOTICE OF PRIORITY RATING FOR NATIONAL DEFENSE, EMERGENCY PREPAREDNESS, AND ENERGY PROGRAM USE (APR 2008)

Any contract awarded as a result of this solicitation will be ☐ DX rated order; ☐ DO rated order certified for national defense, emergency preparedness, and energy program use under the Defense Priorities and Allocations System (DPAS) (15 CFR 700), and the Contractor will be required to follow all of the requirements of this regulation. [Contracting Officer check appropriate box.]

(End of provision)

52.215-19 NOTIFICATION OF OWNERSHIP CHANGES (OCT 1997)

(a) The Contractor shall make the following notifications in writing:

(1) When the Contractor becomes aware that a change in its ownership has occurred, or is certain to occur, that could result in changes in the valuation of its capitalized assets in the accounting records, the Contractor shall notify the Administrative Contracting Officer (ACO) within 30 days.

(2) The Contractor shall also notify the ACO within 30 days whenever changes to asset valuations or any other cost changes have occurred or are certain to occur as a result of a change in ownership.

(b) The Contractor shall--

(1) Maintain current, accurate, and complete inventory records of assets and their costs;

- (2) Provide the ACO or designated representative ready access to the records upon request;
- (3) Ensure that all individual and grouped assets, their capitalized values, accumulated depreciation or amortization, and remaining useful lives are identified accurately before and after each of the Contractor's ownership changes; and
- (4) Retain and continue to maintain depreciation and amortization schedules based on the asset records maintained before each Contractor ownership change.

The Contractor shall include the substance of this clause in all subcontracts under this contract that meet the applicability requirement of FAR 15.408(k).

(End of clause)

52.216-10 INCENTIVE FEE (MAR 1997)

(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. 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. After payment of 85 percent of the applicable fee, the Contracting Officer may withhold further payment of fee until a reserve is set aside in an amount that the Contracting Officer considers necessary to protect the Government's interest. This reserve shall not exceed 15 percent of the applicable fee or \$100,000, whichever is less. The Contracting Officer shall release 75 percent of all fee withholds under this contract after receipt of the 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 (see column 2 of table below) cents for every dollar that the total allowable cost is less than the target cost or decreased by (see column 3

of table below) cents for every dollar that the total allowable cost exceeds the target cost. In no event shall the fee be greater than (see column 4 of table below) percent or less than (see column 5 of table below) percent of the target cost.

1. CLIN	2. Target Fee Increased By	3. Target Fee Decreased By	4. Fee Shall Be No Greater Than	5. Fee Shall Be No Less Than
(b)(4)				

(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)

52.222-39 NOTIFICATION OF EMPLOYEE RIGHTS CONCERNING PAYMENT OF UNION DUES OR FEES (DEC 2004)

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

United States means the 50 States, the District of Columbia, Puerto Rico, the Northern Mariana Islands, American Samoa, Guam, the U.S. Virgin Islands, and Wake Island.

(b) Except as provided in paragraph (e) of this clause, during the term of this contract, the Contractor shall post a notice, in the form of a poster, informing employees of their rights concerning union membership and payment of union dues and fees, in conspicuous places in and about all its plants and offices, including all places where notices to employees are customarily posted. The notice shall include the following information (except that the information pertaining to National Labor Relations Board shall not be included in notices posted in the plants or offices of carriers subject to the Railway Labor Act, as amended (45 U.S.C. 151-188)).

Notice to Employees

Under Federal law, employees cannot be required to join a union or maintain membership in a union in order to retain their jobs. Under certain conditions, the law permits a union and an employer to enter into a union-security agreement requiring employees to pay uniform periodic dues and initiation fees. However, employees who are not union members can object to the use of their payments for certain purposes and can only be required to pay their share of union costs relating to collective bargaining, contract administration, and grievance adjustment.

If you do not want to pay that portion of dues or fees used to support activities not related to collective bargaining, contract administration, or grievance adjustment, you are entitled to an appropriate reduction in your payment. If you believe that you have been required to pay dues or fees used in part to support activities not related to collective bargaining, contract administration, or grievance adjustment, you may be entitled to a refund and to an appropriate reduction in future payments.

For further information concerning your rights, you may wish to contact the National Labor Relations Board (NLRB) either at one of its Regional offices or at the following address or toll free number:

National Labor Relations Board
Division of Information
1099 14th Street, N.W.
Washington, DC 20570
1-866-667-6572
1-866-316-6572 (TTY)

To locate the nearest NLRB office, see NLRB's website at <http://www.nlr.gov>.

(c) The Contractor shall comply with all provisions of Executive Order 13201 of February 17, 2001, and related implementing regulations at 29 CFR part 470, and orders of the Secretary of Labor.

(d) In the event that the Contractor does not comply with any of the requirements set forth in paragraphs (b), (c), or (g), the Secretary may direct that this contract be cancelled, terminated, or suspended in whole or in part, and declare the Contractor ineligible for further Government contracts in accordance with procedures at 29 CFR part 470, Subpart B--Compliance Evaluations, Complaint Investigations and Enforcement Procedures. Such other sanctions or remedies may be imposed as are provided by 29 CFR part 470, which implements Executive Order 13201, or as are otherwise provided by law.

(e) The requirement to post the employee notice in paragraph (b) does not apply to--

(1) Contractors and subcontractors that employ fewer than 15 persons;

(2) Contractor establishments or construction work sites where no union has been formally recognized by the Contractor or certified as the exclusive bargaining representative of the Contractor's employees;

(3) Contractor establishments or construction work sites located in a jurisdiction named in the definition of the United States in which the law of that jurisdiction forbids enforcement of union-security agreements;

(4) Contractor facilities where upon the written request of the Contractor, the Department of Labor Deputy Assistant Secretary for Labor-Management Programs has waived the posting requirements with respect to any of the Contractor's facilities if the Deputy Assistant Secretary finds that the Contractor has demonstrated that--

(i) The facility is in all respects separate and distinct from activities of the Contractor related to the performance of a contract; and

(ii) Such a waiver will not interfere with or impede the effectuation of the Executive order; or

(5) Work outside the United States that does not involve the recruitment or employment of workers within the United States.

(f) The Department of Labor publishes the official employee notice in two variations; one for contractors covered by the Railway Labor Act and a second for all other contractors. The Contractor shall--

(1) Obtain the required employee notice poster from the Division of Interpretations and Standards, Office of Labor-Management Standards, U.S. Department of Labor, 200 Constitution Avenue, NW, Room N-5605, Washington, DC 20210, or from any field office of the Department's Office of Labor-Management Standards or Office of Federal Contract Compliance Programs;

(2) Download a copy of the poster from the Office of Labor-Management Standards website at <http://www.olms.dol.gov>; or

(3) Reproduce and use exact duplicate copies of the Department of Labor's official poster.

(g) The Contractor shall include the substance of this clause in every subcontract or purchase order that exceeds the simplified acquisition threshold, entered into in connection with this contract, unless exempted by the Department of Labor Deputy Assistant Secretary for Labor-Management Programs on account of special circumstances in the national interest under authority of 29 CFR 470.3(c). For indefinite quantity subcontracts, the Contractor shall include the substance of this clause if the value of orders in any calendar year of the subcontract is expected to exceed the simplified acquisition threshold. Pursuant to 29 CFR part 470, Subpart B--Compliance Evaluations, Complaint Investigations and Enforcement Procedures, the Secretary of Labor may direct the Contractor to take such action in the enforcement of these regulations, including the imposition of sanctions for noncompliance with

respect to any such subcontract or purchase order. If the Contractor becomes involved in litigation with a subcontractor or vendor, or is threatened with such involvement, as a result of such direction, the Contractor may request the United States, through the Secretary of Labor, to enter into such litigation to protect the interests of the United States.

(End of clause)

52.223-11 OZONE-DEPLETING SUBSTANCES (MAY 2001)

(a) Definition. Ozone-depleting substance, as used in this clause, means any substance the Environmental Protection Agency designates in 40 CFR part 82 as--

(1) Class I, including, but not limited to, chlorofluorocarbons, halons, carbon tetrachloride, and methyl chloroform; or

(2) Class II, including, but not limited to, hydrochlorofluorocarbons.

(b) The Contractor shall label products which contain or are manufactured with ozone-depleting substances in the manner and to the extent required by 42 U.S.C. 7671j (b), (c), and (d) and 40 CFR Part 82, Subpart E, as follows:

“WARNING: Contains (or manufactured with, if applicable), a substance(s) which harm(s) public health and environment by destroying ozone in the upper atmosphere.”-----

The Contractor shall insert the name of the substance(s).

(End of clause4)

52.234-1 INDUSTRIAL RESOURCES DEVELOPED UNDER DEFENSE PRODUCTION ACT TITLE III (DEC 1994)

(a) Definitions.

"Title III industrial resource" means materials, services, processes, or manufacturing equipment (including the processes, technologies, and ancillary services for the use of such equipment) established or maintained under the authority of Title III, Defense Production Act (50 U.S.C. App. 2091-2093)..

"Title III project contractor" means a contractor that has received assistance for the development or manufacture of an industrial resource under 50 U.S.C. App. 2091-2093, Defense Production Act.

(b) The Contractor shall refer any request from a Title III project contractor for testing and qualification of a Title III industrial resource to the Contracting Officer.

(c) Upon the direction of the Contracting Officer, the Contractor shall test Title III industrial resources for qualification. The Contractor shall provide the test results to the Defense Production Act Office, Title III Program, located at Wright Patterson Air Force Base, Ohio 45433-7739.

(d) When the Contracting Officer modifies the contract to direct testing pursuant to this clause, the Government will provide the Title III industrial resource to be tested and will make an equitable adjustment in the contract for

the costs of testing and qualification of the Title III industrial resource.

(e) The Contractor agrees to insert the substance of this clause, including paragraph (e), in every subcontract issued in performance of this contract.

(End of clause)

52.244-2 SUBCONTRACTS (JUN 2007)

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

Approved purchasing system means a Contractor's purchasing system that has been reviewed and approved in accordance with Part 44 of the Federal Acquisition Regulation (FAR).

Consent to subcontract means the Contracting Officer's written consent for the Contractor to enter into a particular subcontract.

Subcontract means any contract, as defined in FAR Subpart 2.1, entered into by a subcontractor to furnish supplies or services for performance of the prime contract or a subcontract. It includes, but is not limited to, purchase orders, and changes and modifications to purchase orders.
purchase orders.

(b) When this clause is included in a fixed-price type contract, consent to subcontract is required only on unpriced contract actions (including unpriced modifications or unpriced delivery orders), and only if required in accordance with paragraph (c) or (d) of this clause.

(c) If the Contractor does not have an approved purchasing system, consent to subcontract is required for any subcontract that—

(1) Is of the cost-reimbursement, time-and-materials, or labor-hour type; or

(2) Is fixed-price and exceeds—

(i) For a contract awarded by the Department of Defense, the Coast Guard, or the National Aeronautics and Space Administration, the greater of the simplified acquisition threshold or 5 percent of the total estimated cost of the contract; or

(ii) For a contract awarded by a civilian agency other than the Coast Guard and the National Aeronautics and Space Administration, either the simplified acquisition threshold or 5 percent of the total estimated cost of the contract.

(d) If the Contractor has an approved purchasing system, the Contractor nevertheless shall obtain the Contracting Officer's written consent before placing the following subcontracts:

(b)(4)

approval will be required for any sole source, non-commercial subcontract that has a value greater than \$650,000.

(e)(1) The Contractor shall notify the Contracting Officer reasonably in advance of placing any subcontract or modification thereof for which consent is required under paragraph (b), (c), or (d) of this clause, including the following information:

- (i) A description of the supplies or services to be subcontracted.
- (ii) Identification of the type of subcontract to be used.
- (iii) Identification of the proposed subcontractor.
- (iv) The proposed subcontract price.
- (v) The subcontractor's current, complete, and accurate cost or pricing data and Certificate of Current Cost or Pricing Data, if required by other contract provisions.
- (vi) The subcontractor's Disclosure Statement or Certificate relating to Cost Accounting Standards when such data are required by other provisions of this contract.
- (vii) A negotiation memorandum reflecting—
 - (A) The principal elements of the subcontract price negotiations;
 - (B) The most significant considerations controlling establishment of initial or revised prices;
 - (C) The reason cost or pricing data were or were not required;
 - (D) The extent, if any, to which the Contractor did not rely on the subcontractor's cost or pricing data in determining the price objective and in negotiating the final price;
 - (E) The extent to which it was recognized in the negotiation that the subcontractor's cost or pricing data were not accurate, complete, or current; the action taken by the Contractor and the subcontractor; and the effect of any such defective data on the total price negotiated;
 - (F) The reasons for any significant difference between the Contractor's price objective and the price negotiated; and
 - (G) A complete explanation of the incentive fee or profit plan when incentives are used. The explanation shall identify each critical performance element, management decisions used to quantify each incentive element, reasons for the incentives, and a summary of all trade-off possibilities considered.
- (2) The Contractor is not required to notify the Contracting Officer in advance of entering into any subcontract for which consent is not required under paragraph (c), (d), or (e) of this clause.
- (f) Unless the consent or approval specifically provides otherwise, neither consent by the Contracting Officer to any subcontract nor approval of the Contractor's purchasing system shall constitute a determination—
 - (1) Of the acceptability of any subcontract terms or conditions;
 - (2) Of the allowability of any cost under this contract; or
 - (3) To relieve the Contractor of any responsibility for performing this contract.
- (g) No subcontract or modification thereof placed under this contract shall provide for payment on a cost-plus-a-percentage-of-cost basis, and any fee payable under cost-reimbursement type subcontracts shall not exceed the fee limitations in FAR 15.404-4(c)(4)(i).

(h) The Contractor shall give the Contracting Officer immediate written notice of any action or suit filed and prompt notice of any claim made against the Contractor by any subcontractor or vendor that, in the opinion of the Contractor, may result in litigation related in any way to this contract, with respect to which the Contractor may be entitled to reimbursement from the Government.

(i) The Government reserves the right to review the Contractor's purchasing system as set forth in FAR Subpart 44.3.

(j) Paragraphs (c) and (e) of this clause do not apply to the following subcontracts, which were evaluated during negotiations:

(b)(4)

(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):

www.farsite.hill.af.mil.com

(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)

252.234-7001 NOTICE OF EARNED VALUE MANAGEMENT SYSTEM (APR 2008)

(a) If the offeror submits a proposal in the amount of \$50,000,000 or more--

(1) The offeror shall provide documentation that the Cognizant Federal Agency (CFA) has determined that the proposed Earned Value Management System (EVMS) complies with the EVMS guidelines in the American National Standards Institute/Electronic Industries Alliance Standard 748, Earned Value Management Systems (ANSI/EIA-748) (current version at time of solicitation). The Government reserves the right to perform reviews of the EVMS when deemed necessary to verify compliance.

(2) If the offeror proposes to use a system that has not been determined to be in compliance with the requirements of paragraph (a)(1) of this provision, the offeror shall submit a comprehensive plan for compliance with the guidelines in ANSI/EIA-748.

(i) The plan shall--

(A) Describe the EVMS the offeror intends to use in performance of the contract, and how the proposed EVMS complies with the EVMS guidelines in ANSI/EIA-748;

(B) Distinguish between the offeror's existing management system and modifications proposed to meet the EVMS guidelines;

(C) Describe the management system and its application in terms of the EVMS guidelines;

(D) Describe the proposed procedure for administration of the EVMS guidelines as applied to subcontractors; and

(E) Describe the process the offeror will use to determine subcontractor compliance with ANSI/EIA-748.

(ii) The offeror shall provide information and assistance as required by the Contracting Officer to support review of the plan.

(iii) The offeror's EVMS plan must provide milestones that indicate when the offeror anticipates that the EVMS will be compliant with the guidelines in ANSI/EIA-748.

(b) If the offeror submits a proposal in an amount less than \$50,000,000--

(1) The offeror shall submit a written description of the management procedures it will use and maintain in the performance of any resultant contract to comply with the requirements of the Earned Value Management System clause of the contract. The description shall include--

(i) A matrix that correlates each guideline in ANSI/EIA-748 (current version at time of solicitation) to the corresponding process in the offeror's written management procedures; and

(ii) The process the offeror will use to determine subcontractor compliance with ANSI/EIA-748.

(2) If the offeror proposes to use an EVMS that has been determined by the CFA to be in compliance with the EVMS guidelines in ANSI/EIA-748, the offeror may submit a copy of the documentation of such determination instead of the written description required by paragraph (b)(1) of this provision.

(c) The offeror shall identify the subcontractors (or the subcontracted effort if subcontractors have not been selected) to whom the EVMS requirements will apply. The offeror and the Government shall agree to the subcontractors or the subcontracted effort selected for application of the EVMS requirements. The offeror shall be responsible for ensuring that the selected subcontractors comply with the requirements of the Earned Value Management System clause of the contract.

(End of provision)

252.2304-7002 EARNED VALUE MANAGEMENT SYSTEM (APR 2008)

(a) 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.

(b) If this contract has a value of \$50,000,000 or more, the Contractor shall use an EVMS that has been determined by the Cognizant Federal Agency (CFA) to be in compliance with the EVMS guidelines as stated in paragraph (a)(1) of this clause. 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 (a)(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.

(c) If this contract has a value of less than \$50,000,000, 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.

(d) 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 \$50,000,000 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.

(e) 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.

(f) 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 (a) of this clause.

(g) 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).

(h) The Contractor shall require its subcontractors to comply with EVMS requirements as follows:

(1) For subcontracts valued at \$50,000,000 or more, the following subcontractors shall comply with the requirements of this clause:

(Contracting Officer to insert names of subcontractors (or subcontracted effort if subcontractors have not been selected) designated for application of the EVMS requirements of this clause.)

(b)(4)

(2) For subcontracts valued at less than \$50,000,000, the following subcontractors shall comply with the requirements of this clause, excluding the requirements of paragraph (b) of this clause:

(Contracting Officer to insert names of subcontractors (or subcontracted effort if subcontractors have not been selected) designated for application of the EVMS requirements of this clause.)

N/A

(End of clause)

Section J - List of Documents, Exhibits and Other Attachments

LIST OF DOCUMENTS

DOCUMENT TYPE	DESCRIPTION	PAGES	DATE
Exhibit A	CDRLs	54	1 October 2009
Enclosure 1 to Exhibit A	Addressee List	1	1 October 2009
Enclosure 2 to Exhibit A	Data Distribution List	14	1 October 2009
Enclosure 3 to Exhibit A	Software Resources Data Reporting – Initial	2	1 October 2009
Enclosure 4 to Exhibit A	Software Resources Data Reporting – Final	2	1 October 2009
Enclosure 5 to Exhibit A	Computer Program Data	4	1 October 2009
Encl 6/6a to CDRL A043	Product Drawings and Associated Lists	2	1 October 2009
Encl 7 to CDRL A044	Commercial Drawings/Models and Associated Lists	1	1 October 2009
Encl 8 to CDRL A046	Specifications	1	1 October 2009
Encl 9 to CDRL A047	Special Inspection Equipment Drawings and Associated Lists	1	1 October 2009
Encl 10 to CDRL A048	Special Tooling Drawings and Associated Lists	1	1 October 2009
Encl 11	RESERVED		
Encl 12 to CDRL A051	Specifications	1	1 October 2009
Attachment J-1	Statement of Work	32	1 October 2009
Attachment J-2	DD 254	18	1 October 2009
Attachment J-3	Award Fee Plan	17	1 October 2009
Attachment J-4	Program Integrated Master Schedule	1	1 October 2009
Attachment J-5	GFE/GFI	38	1 October 2009
Attachment J-6	Preliminary Work Breakdown Structure	8	1 October 2009
Attachment J-7	Technical Review Manual	27	1 October 2009
Attachment J-8	Milestone Event Completion Criteria	2	1 October 2009
Attachment J-9	Commercial Computer Software and Open Source Software List	3	1 October 2009
Attachment J-10	Data Rights Assertions	3	1 October 2009
Attachment J-11	CSC OCI Mitigation Plan	27	1 October 2009

CONTRACT DATA REQUIREMENTS LIST (1 Data Item)						Form Approved OMB No. 0704-0188				
<small>Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No., listed in Block E.</small>										
A. CONTRACT LINE ITEM NO.		B. EXHIBIT		C. CATEGORY:						
All		A		<div style="display: flex; justify-content: space-around;"> TDP TM OTHER </div>						
D. SYSTEM/ITEM			E. CONTRACT/PR NO.		F. CONTRACTOR					
Aegis BMD			HQ0276-10-C-0001		Lockheed Martin MS2					
1. DATA ITEM NO.		2. TITLE OF DATA ITEM			3. SUBTITLE					
A001		Contract Performance Report (CPR)			Contract Performance Report (CPR)					
4. AUTHORITY (Data Acquisition Document No.)				5. CONTRACT REFERENCE		6. REQUIRING OFFICE				
DI-MGMT-81466A				SOW 3.2		MDA/AB				
7. DD 250 REQ		9. DIST STATEMENT REQUIRED		10. FREQUENCY		12. DATE OF FIRST SUBMISSION				
No		F		Monthly		SEE BLOCK 16				
8. APP CODE				11. AS OF DATE		13. DATE OF SUBSEQUENT SUBMISSION				
A				SEE BLOCK 16		SEE BLOCK 16				
16. REMARKS Block 4: a. Contractor Format is acceptable. Electronic submission shall be made using ANSI ASC X 12 Transaction Set 839C, or XML standard, or an XML equivalent w/insight.fm file as acceptable format. The Government will have access to, on an as-required basis, electronic Contractor Contract Performance Report (CPR) data. Provide a copy of the data in IDE-compliant format to MDA/AB. b. Reporting levels shall be IAW the contractor's Work Breakdown Structure (WBS). Format 1 reporting will normally be Level Five of the WBS, but lower levels may be required for areas of significant technical, cost and/or schedule risk. The contractor, with Government approval, shall review and update Format 1 reporting level requirements at major program transitions (e.g., PDR, CDR, start of test program). Format 1 shall be delivered for individual Completion CLINs and LOE Technical Instructions as well as a roll up to the total contract level. c. Current and cumulative month cost variance (CV) and schedule variance (SV) explanations are required. Format 5 shall incorporate problem analyses and narrative explanations for Format 1 elements when cost/schedule variances fall within the following categories: <ul style="list-style-type: none"> • Top five current period cost variances exceeding +/- \$50K and +/- 10% • Top five current period schedule variances exceeding +/- \$50K and +/- 10% • Top five cumulative cost variances exceeding +/- \$200K and +/- 10% • Top five cumulative schedule variances exceeding +/- \$200K and +/- 10% • 5 largest variances at completion exceeding +/- \$300K and +/- 10% • <i>Other cost and schedule variances or technical performance issues that are causing or are likely to cause significant schedule delays or cost overruns as deemed appropriate by the contractor.</i> • <i>For the purpose of determining the top five in any given category, variances resulting from accounting corrections shall be excluded from the top five threshold but otherwise explained by the contractor.</i> d. All Budget at Completion (BAC) changes on Format 1 shall be explained in Format 5. All Management Reserve (MR) transactions, including the work scope to be covered by the MR, and the amount of MR distributed to the applicable WBS element shall be explained in Format 5. Undistributed Budget (UB) transactions shall be explained in a similar manner. The composition of UB, including Rev number and the associated contract modification dollar values (NTEs, etc.), shall also be listed in Format 5. e. Formats 3 and 4 shall include identical periods. These periods shall be monthly for at least six months, quarterly for at least 2 quarters, then quarterly/semi-annually/or annually, and then other (i.e. to complete "TC"), to completion. Any change in the Format 3 total Performance Measurement Baseline (PMB) and/or any change in the current or forecast periods shall be explained in detail in Format 5. Any change in current, forecast period, or total manpower for each Format 4 element, shall be						See Attached				
						Distribution List				
						15. Total				
G. PREPARED BY				H. DATE		I. APPROVED BY				
						(b)(6) <div style="border: 1px solid black; height: 20px; width: 100%;"></div>				
						J. DATE				
						9/30/09				

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

CONTRACT DATA REQUIREMENTS LIST (1 Data Item)					Form Approved OMB No. 0704-0188					
<small>Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.</small>										
A. CONTRACT LINE ITEM NO.		B. EXHIBIT		C. CATEGORY:						
All		A		<div style="display: flex; justify-content: space-around;"> TDP TM OTHER </div>						
D. SYSTEM/ITEM			E. CONTRACT/PR NO.		F. CONTRACTOR					
Aegis BMD			HQ0276-10-C-0001		Lockheed Martin MS2					
1. DATA ITEM NO.		2. TITLE OF DATA ITEM			3. SUBTITLE					
A001		Contract Performance Report (CPR) (cont)			Contract Performance Report (CPR)					
4. AUTHORITY (Data Acquisition Document No.)				5. CONTRACT REFERENCE		6. REQUIRING OFFICE				
DI-MGMT-81466A				SOW 3.2		MDA/AB				
7. DD 250 REQ		9. DIST STATEMENT REQUIRED		10. FREQUENCY		12. DATE OF FIRST SUBMISSION				
No		F		Monthly		SEE BLOCK 16				
8. APP CODE		11. AS OF DATE		13. DATE OF SUBSEQUENT SUBMISSION		14. DISTRIBUTION				
A		SEE BLOCK 16		SEE BLOCK 16		<div style="display: flex; justify-content: space-between;"> <div style="width: 60%;">a. ADDRESSEE</div> <div style="width: 35%;">b. COPIES</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <div style="width: 60%;"></div> <div style="width: 35%; text-align: center;"> <div style="display: flex; justify-content: space-around;"> DRAFT FINAL </div> <div style="display: flex; justify-content: space-around; font-size: small;"> Reg Repr </div> </div> </div>				
16. REMARKS explained in Format 5. Explanation of the changes to the PMB shall include the movement of scope, schedule and budget for all periods. Formats 3 and 4 and 5 are required for Completion CLINs and individual LOE Technical Instructions as well as the roll up to the total contract level. f. Specific corrective actions, forecasted closure date, and impact to the Estimate at Completion (EAC) shall be included in each variance narrative. Schedule variance narratives shall identify significant missed milestones, impact to major milestones, impact to program plans, workaround plans/mitigation plans, and expected recovery dates. Contractor shall go to lowest CWBS level necessary to completely explain the variances. g. Format 2 of the CPR shall provide the contractor's functional breakdown structure (e.g., Engineering, Manufacturing, Program Management, Quality, Test). Material and major subcontractors shall be included as separate elements. No formal monthly variance analysis is required for Format 2; however, the contractor should be able to correlate the variances in Format 1 to Format 2. h. The Government reserves the right to review and modify, through negotiations, the variance analysis requirements and reporting levels for Formats 1, 2, 3, and 4 during the performance of the contract, but no sooner than six months after contract award. i. "Best case", "Worst case" and "Most Likely" EACs at the total contract level are required. j. Major subcontractor CPRs will be provided as an attachment to the contractor's CPR. Block 9: <u>Distribution Statement F</u> . Further distribution only as directed by appropriate DOD authority. Block 11: The CPR shall be prepared on a monthly basis, due <u>17</u> working days after the close of the contractor's accounting period. Block 12: Due NLT <u>17</u> working days after the end of the first full accounting period <u>60</u> days after Technical Instructions awarded (including undefinitized contracting actions). Block 13: Formats 1, 2, 3, 4, and 5 are due <u>17</u> working days after the accounting month close.						See Attached				
						Distribution List				
G. PREPARED BY				H. DATE		I. APPROVED BY		J. DATE		
						(b)(6)		7/30/09		

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

CONTRACT DATA REQUIREMENTS LIST (1 Data Item)					Form Approved OMB No. 0704-0188	
Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.						
A. CONTRACT LINE ITEM NO. 0004, 0011, 0017, 0102		B. EXHIBIT A		C. CATEGORY: TDP TM OTHER		
D. SYSTEM/ITEM Aegis BMD		E. CONTRACT/PR NO. HQ0276-10-C-0001		F. CONTRACTOR Lockheed Martin MS2		
1. DATA ITEM NO. A002	2. TITLE OF DATA ITEM Conference Agenda				3. SUBTITLE	
4. AUTHORITY (Data Acquisition Document No.) DI-ADMN-81249A		5. CONTRACT REFERENCE SOW 3.1		6. REQUIRING OFFICE MDA/AB		
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED F-See Blk 16	10. FREQUENCY ASREQ	12. DATE OF FIRST SUBMISSION SEE BLOCK 16	14. DISTRIBUTION		
8. APP CODE A		11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION SEE BLOCK 16	a. ADDRESSEE	b. COPIES	
					DRAFT	FINAL
					Reg	Repr o
16. REMARKS Block 9: <u>Distribution Statement E</u> . Further distribution only as directed by appropriate DOD authority. Blocks 10/12/13: <u>20</u> days prior to each design review, or as required by MDA/AB for other reviews, or as indicated in each Technical Instruction (TI). Blocks 14/15: Data transmittals should be marked with the applicable TI number(s). Form of Data Delivery: Electronic delivery shall be satisfied through on-line availability. Electronic delivery of classified data items will be accomplished through delivery of CD-ROM to satisfy specific documentation requirements. Digital delivery shall be made in Portable Document Format (PDF) compatible with ADOBE Acrobat application software, or other mutually agreeable commercial off-the-shelf software. Letter of transmittal shall be via e-mail with notification of file attributes and directory information for retrieval.				See Attached		
				Distribution List		
G. PREPARED BY		H. DATE		I. APPROVED BY (b)(6)		J. DATE 9/30/09

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

CONTRACT DATA REQUIREMENTS LIST (1 Data Item)						Form Approved OMB No. 0704-0188					
Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.											
A. CONTRACT LINE ITEM NO. 0004, 0011, 0017, 0102		B. EXHIBIT A		C. CATEGORY: TDP TM OTHER							
D. SYSTEM/ITEM Aegis BMD			E. CONTRACT/PR NO. HQ0276-10-C-0001		F. CONTRACTOR Lockheed Martin MS2						
1. DATA ITEM NO. A003		2. TITLE OF DATA ITEM Conference Minutes			3. SUBTITLE						
4. AUTHORITY (Data Acquisition Document No.) DI-ADMN-81250A			5. CONTRACT REFERENCE SOW 3.1		6. REQUIRING OFFICE MDA/AB						
7. DD 250 REQ LT		9. DIST STATEMENT REQUIRED D-See Blk 16		10. FREQUENCY ASREQ		12. DATE OF FIRST SUBMISSION SEE BLOCK 16					
8. APP CODE		11. AS OF DATE		13. DATE OF SUBSEQUENT SUBMISSION SEE BLOCK 16		14. DISTRIBUTION					
16. REMARKS Block 9: Distribution Statement D: Distribution authorized to the Department of Defense and United States DoD contractors only (critical technology) (30 Jun 08). Other requests shall be referred to MDA/AB Aegis BMD. Blocks 12/13: [TU] working days after each meeting when requested by MDA/AB. However, if 10 working days is not sufficient time to prepare the report, delivery date may be extended subject to MDA/AB approval. Blocks 14/15: Data transmittals should be marked with the applicable Technical Instruction number(s). Form of Data Delivery: Electronic delivery shall be satisfied through on-line availability. Electronic delivery of classified data items will be accomplished through delivery of CD-ROM to satisfy specific documentation requirements. Digital delivery shall be made in Portable Document Format (PDF) compatible with ADOBE Acrobat application software, or other mutually agreeable commercial off-the-shelf software. Letter of transmittal shall be via e-mail with notification of file attributes and directory information for retrieval.						a. ADDRESSEE		b. COPIES			
								DRAFT		FINAL	
								Reg		Repr o	
						15. Total					
G. PREPARED BY			H. DATE		I. APPROVED BY (b)(6)		J. DATE 9/30/09				

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

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18. ESTIMATED TOTAL PRICE

CONTRACT DATA REQUIREMENTS LIST (1 Data Item)						Form Approved OMB No. 0704-0188			
Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed forms to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.									
A. CONTRACT LINE ITEM NO. ALL		B. EXHIBIT A		C. CATEGORY: TDP TM OTHER					
D. SYSTEM/ITEM Aegis BMD			E. CONTRACT/PR NO. HQ0276-10-C-0001		F. CONTRACTOR Lockheed Martin MS2				
1. DATA ITEM NO. A005		2. TITLE OF DATA ITEM Contractor's Progress, Status, and Management Report (cont)			3. SUBTITLE				
4. AUTHORITY (Data Acquisition Document No.) DI-ADMN-80227 (See Block 16)			5. CONTRACT REFERENCE SOW 3.1		6. REQUIRING OFFICE MDA/AB				
7. DD 250 REQ LT		9. DIST STATEMENT REQUIRED F		10. FREQUENCY Quarterly		12. DATE OF FIRST SUBMISSION See Block 16			
8. APP CODE See Blk 16		11. AS OF DATE See Block 16		13. DATE OF SUBSEQUENT SUBMISSION 15 DARP		14. DISTRIBUTION			
16. REMARKS Blocks 14/15: Data transmittals should be marked with the applicable CLIN and Technical Instruction number(s) as applicable. Form of Data Delivery: Electronic delivery shall be satisfied through on-line availability. Electronic delivery of classified data items will be accomplished through delivery of CD-ROM to satisfy specific documentation requirements. Digital delivery shall be made in Portable Document Format (PDF) compatible with ADOBE Acrobat application software, or other mutually agreeable commercial off-the-shelf software. Letter of transmittal shall be vial e-mail with notification of file attributes and directory information for retrieval.				a. ADDRESSEE		b. COPIES			
						DRAFT		FINAL	
						Reg		Repr o	
15. Total									
G. PREPARED BY			H. DATE		I. REVIEWED BY (b)(6)		J. DATE 9/30/09		

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

CONTRACT DATA REQUIREMENTS LIST (1 Data Item)						Form Approved OMB No. 0704-0188				
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A. CONTRACT LINE ITEM NO.		B. EXHIBIT		C. CATEGORY:						
ALL		A		<div style="display: flex; justify-content: space-around;"> TDP TM OTHER </div>						
D. SYSTEM/ITEM			E. CONTRACT/PR NO.		F. CONTRACTOR					
Aegis BMD			HQ0276-10-C-0001		Lockheed Martin MS2					
1. DATA ITEM NO.		2. TITLE OF DATA ITEM			3. SUBTITLE					
A007		Contract Funds Status Report (CFSR)								
4. AUTHORITY (Data Acquisition Document No.)			5. CONTRACT REFERENCE		6. REQUIRING OFFICE					
DI-MGMT-81468			SOW 3.2		MDA/AB					
7. DD 250 REQ		9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION		14. DISTRIBUTION				
LT		F	Monthly	See Block 16						
8. APP CODE			11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION		<div style="display: flex; justify-content: space-between;"> <div>a. ADDRESSEE</div> <div>b. COPIES</div> </div>				
No			See Block 16	See Block 16		<div style="display: flex; justify-content: space-between;"> <div>DRAFT</div> <div>FINAL</div> </div>				
						<div style="display: flex; justify-content: space-between;"> <div></div> <div>Reg</div> <div>Repr o</div> </div>				
16. REMARKS Block 4: a. The American National Standards Institute (ANSI) X12 standard (839 transaction set), the United National Electronic Data Interchange for Administration, Commerce and Transport (UN/EDIFACT) standard (PROCST message), or the XML equivalent shall be used to submit data electronically to the procuring activity. Contractor formats may be submitted whenever they contain all of the required data elements at the specified reporting levels and are compliant with the X12 standard, XML schema, or equivalent. b. Report by CLIN and individual Technical Instruction within each CLIN in block 11 of the CFSR. Reported by Government fiscal year (FY) in blocks 11b and 11c. CFSR data shall be reconciled to the Government's FY end at 30 September if the contractor's FY does not coincide with the Government's. c. The "at completion" column of block 12 shall be the contractor's Estimated Price at Completion (EPC) (including Government share of any projected overruns). The contractor shall include an attachment that reconciles the cumulative and at completion data from the CFSR with the associated data from the CPR for the same report period. d. Projections in blocks 12, 13, and 14 of the CFSR shall be monthly for the first six months, then quarterly for the remainder of the FY, then by FY to contract completion. e. For block 15 of the CFSR, report actual payments received as a cumulative value for the period from contract award through the current report date. Include any pertinent information to explain a projected change in funding required or change to the EPC. f. The contractor will identify, in the remarks section of the CFSR, the dollar amount to be paid. g. The contractor is to explain the breakout of cost and fee in the remarks section and when and how much fee is in the ETC. Block 9: Distribution Statement F: Further distribution only as directed by appropriate DoD authority. Block 11: Last day of contractor's monthly accounting period. Blocks 12/13: The initial submission is required electronically within 90 days following contract award. Subsequent submissions shall be required electronically 25 days after the end of each month.						See Attached				
						Distribution List				
G. PREPARED BY			H. DATE		I. APPROVED BY		J. DATE			
					(b)(6)		9/30/09			

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A. CONTRACT LINE ITEM NO. 0001/0004/0011/ 0017/0020		B. EXHIBIT A		C. CATEGORY: TDP TM OTHER			
D. SYSTEM/ITEM Aegis BMD			E. CONTRACT/PR NO. HQ0276-10-C-0001		F. CONTRACTOR Lockheed Martin MS2		
1. DATA ITEM NO. A008		2. TITLE OF DATA ITEM Specification Change Notice (SCN)			3. SUBTITLE		
4. AUTHORITY (Data Acquisition Document No.) DI-CMAN-80643C			5. CONTRACT REFERENCE SOW 3.3		6. REQUIRING OFFICE MDA/AB		
7. DD 250 REQ LT		9. DIST STATEMENT REQUIRED D-See Blk 16	10. FREQUENCY ASREQ	12. DATE OF FIRST SUBMISSION See Block 16		14. DISTRIBUTION	
8. APP CODE See Block 16		11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION See Block 16		a. ADDRESSEE		b. COPIES
					DRAFT		FINAL
							Reg Repr o
16. REMARKS Block 2: Subtitle for preliminary SCN's to be determined upon identification of the proposed change. Block 4: Prepare SCN to the same format and content of the specification(s) delivered under the applicable specification of this contract. Re-issue specification(s) when 50% affected by change or when re-identification is required. Block 8: This data shall be reviewed for technical and contractual compliance within 45 days after submittal to MDA/AB and Aegis Technical Representative. Block 9: Distribution Statement D: Distribution authorized to the Department of Defense and United States DoD contractors only (critical technology) (30 Jun 08). Other requests shall be referred to MDA/AB Aegis BMD. Blocks 12/13: Submit 60 days after requirement for change has been identified. The SCN will be incorporated into the affected specification and the entire updated specification delivered. Blocks 14/15: Data transmittals should be marked with the applicable Technical Instruction number(s). Form of Data Delivery: Electronic delivery shall be satisfied through on-line availability. Electronic delivery of classified data items will be accomplished through delivery of CD-ROM to satisfy specific documentation requirements. Digital delivery shall be made in Portable Document Form (PDF) compatible with ADOBE Acrobat application software, or other mutually agreeable commercial off-the-shelf software. Letter of transmittal shall be via e-mail with notification of file attributes and directory information for retrieval.					See Attached		
G. PREPARED BY			H. DATE		I. APPROVED BY (b)(6)		J. DATE 9/30/09

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A. CONTRACT LINE ITEM NO. 0004, 0017		B. EXHIBIT A		C. CATEGORY: TDP TM OTHER			
D. SYSTEM/ITEM Aegis BMD			E. CONTRACT/PR NO. HQ0276-10-C-0001		F. CONTRACTOR Lockheed Martin MS2		
1. DATA ITEM NO. A010		2. TITLE OF DATA ITEM Design Review Data Package			3. SUBTITLE Design Review		
4. AUTHORITY (Data Acquisition Document No.) DI-ILSS-81335			5. CONTRACT REFERENCE SOW 3.1 and 3.7		6. REQUIRING OFFICE MDA/AB		
7. DD 250 REQ LT		9. DIST STATEMENT REQUIRED D-See Blk 16	10. FREQUENCY ASREQ	12. DATE OF FIRST SUBMISSION See Block 16		14. DISTRIBUTION	
8. APP CODE		11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION See Block 16		a. ADDRESSEE		b. COPIES
16. REMARKS Block 4: MIL-STD-1521A and appendices not applicable. Materials in paragraph 10.1 as follows: documentation to be submitted for Design Review (DR) shall include draft (preliminary and final) changes and or upgrades to performance specifications and other appropriate detail design and performance disclosure data. Digital data will be delivered in a format that is compatible with commercially available software programs and consistent with drawing/list formats; which includes the requirements and specification database and associated documents provided in an acceptable commercial format such as DOORS Database or Rational Rose. Block 9: Distribution Statement D: Distribution authorized to the Department of Defense and United States DoD contractors only (critical technology) (30 Jun 08). Other requests shall be referred to MDA/AB Aegis BMD. Blocks 10/12/13: Submit data package 45 days prior to DR. Blocks 14/15: Data transmittals should be marked with the applicable Technical Instruction number(s), if required. Form of Data Delivery: Electronic delivery shall be satisfied through on-line availability. Electronic delivery of classified data items will be accomplished through delivery of CD-ROM to satisfy specific documentation requirements. Digital delivery shall be made in Portable Document format (PDF) compatible with ADOBE Acrobat application software, or other mutually agreeable commercial off-the-shelf software. Letter of transmittal shall be via e-mail with notification of file attributes and directory information for retrieval.					DRAFT		FINAL
G. PREPARED BY			H. DATE		I. APPROVED BY (b)(6)		J. DATE 9/30/09

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A. CONTRACT LINE ITEM NO. 0001/0004/0011/0017/0100/0101		B. EXHIBIT A		C. CATEGORY: TDP TM OTHER							
D. SYSTEM/ITEM Aegis BMD			E. CONTRACT/PR NO. HQ0276-10-C-0001		F. CONTRACTOR Lockheed Martin MS2						
1. DATA ITEM NO. A012		2. TITLE OF DATA ITEM Integrated Master Schedule (cont)			3. SUBTITLE						
4. AUTHORITY (Data Acquisition Document No.) DI-MGMT-81650			5. CONTRACT REFERENCE SOW 3.2		6. REQUIRING OFFICE MDA/AB						
7. DD 250 REQ LT		9. DIST STATEMENT REQUIRED D-See Blk 16		10. FREQUENCY Quarterly		12. DATE OF FIRST SUBMISSION See Block 16					
8. APP CODE		11. AS OF DATE See Block 16		13. DATE OF SUBSEQUENT SUBMISSION See Block 16		14. DISTRIBUTION					
16. REMARKS Block 12: The first submission is due within <u>17</u> working days after the end of the first full accounting period <u>60</u> days following authorization to proceed. First submission shall include reporting to the Intermediate level schedule, at a minimum. Block 13: Subsequent submittals are due quarterly within <u>17</u> working days after the close of the contractor's accounting period, all schedule levels. Blocks 14/15: Data will be provided in contractor's approved scheduling system in its original format (e.g., Primavera, Open Plan Pro, Microsoft Project). Data transmittals should be marked with the applicable Technical Instruction number(s).						a. ADDRESSEE		b. COPIES			
						See Attached		DRAFT		FINAL	
								Reg		Repr	
15. Total											
G. PREPARED BY			H. DATE		I. APPROVED BY (b)(6)		J. DATE 9/30/09				

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CONTRACT DATA REQUIREMENTS LIST (1 Data Item)						Form Approved OMB No. 0704-0188					
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A. CONTRACT LINE ITEM NO. 0011		B. EXHIBIT A		C. CATEGORY: TDP TM OTHER							
D. SYSTEM/ITEM Aegis BMD			E. CONTRACT/PR NO. HQ0276-10-C-0001		F. CONTRACTOR Lockheed Martin MS2						
1. DATA ITEM NO. A013		2. TITLE OF DATA ITEM Critical Item Development Specification			3. SUBTITLE See Block 16						
4. AUTHORITY (Data Acquisition Document No.) DI-MGMT-81650			5. CONTRACT REFERENCE SOW 3.2		6. REQUIRING OFFICE MDA/AB						
7. DD 250 REQ LT		9. DIST STATEMENT REQUIRED D-See Blk 16		10. FREQUENCY ASREQ		12. DATE OF FIRST SUBMISSION See Block 16					
8. APP CODE See Block 16				11. AS OF DATE		13. DATE OF SUBSEQUENT SUBMISSION See Block 16					
16. REMARKS Block 3: Critical Item Development Specification (B2) Part I and Part II (Form IB) Block 4: Update existing specifications, generate new specifications, or develop SCN(s), as required, to reflect Aegis BMD requirements. Reissue specification when 50% affected by changes or when re-identification is required. Blocks 7/8: Technical approval for contractual compliance required by the MDA/AB and Aegis Technical Representative before implementing proposed changes (SCNs). Technical approval of final specification or SCN required within 45 days after submission to MDA/AB and Aegis Technical Representative. Adjudicated comments shall be included in final SCN final delivery of specification. Block 9: Distribution Statement D: Distribution authorized to the Department of Defense and United States DoD contractors only (critical technology) (30 Jun 08). Other requests shall be referred to MDA/AB Aegis BMD. Blocks 10/12/13: Deliver release copy of specification or release copy of SCN 90 days after Critical Design Review (CDR) and place under configuration control upon technical concurrence. Delivery final specification 105 days after Computer Program delivery (including additions and adjudications as necessary). Work in process should be submitted as required to support events. Provide final SCN, if appropriate, under this contract. Blocks 14/15: Data transmittals should be marked with the applicable Technical Instruction number(s). Form of Data Delivery: Electronic delivery shall be satisfied through on-line availability. Electronic delivery of classified data items will be accomplished through delivery of CD-ROM to satisfy specific documentation requirements. Digital delivery shall be made in Portable Document Format (PDF) compatible with ADOBE Acrobat application software, or other mutually agreeable commercial off-the-shelf software. Letter of transmittal shall be via e-mail with notification of file attributes and directory information for retrieval.						14. DISTRIBUTION					
						a. ADDRESSEE		b. COPIES			
								DRAFT	FINAL		
								Reg	Repr		
						15. Total					
G. PREPARED BY			H. DATE		I. APPROVED BY (b)(6)		J. DATE 9/30/09				

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A. CONTRACT LINE ITEM NO. 0001/0004/0011		B. EXHIBIT A		C. CATEGORY: TDP TM OTHER					
D. SYSTEM/ITEM Aegis BMD			E. CONTRACT/PR NO. HQ0276-10-C-0001		F. CONTRACTOR Lockheed Martin MS2				
1. DATA ITEM NO. A015		2. TITLE OF DATA ITEM Software Design Description			3. SUBTITLE See Block 16				
4. AUTHORITY (Data Acquisition Document No.) DI-IPSC-81435A			5. CONTRACT REFERENCE SOW 3.4 and 3.7		6. REQUIRING OFFICE MDA/AB				
7. DD 260 REQ LT		9. DIST STATEMENT REQUIRED D-See Blk 16		10. FREQUENCY ASREQ		12. DATE OF FIRST SUBMISSION See Block 16			
8. APP CODE				11. AS OF DATE		13. DATE OF SUBSEQUENT SUBMISSION See Block 16			
16. REMARKS Block 3: Computer Program Design Document Block 4: Generate new documents to reflect all Aegis BMD upgrades or SCN(s), as required. Reissue documents when 50% affected by changes or when re-identification is required. Blocks 7/8: Technical approval for contractual compliance required by the MDA/AB before implementing proposed changes (SCNs). Technical approval required within 45 days after submission to MDA/AB. Adjudicated comments shall be included in final SCN delivery specification. Block 9: Distribution Statement D: Distribution authorized to the Department of Defense and United States DoD contractors only (critical technology) (30 Jun 08). Other requests shall be referred to MDA/AB Aegis BMD. Blocks 10/12/13: Deliver release copy of specification or release copy of SCN 90 days after Critical Design Review (CDR). Deliver final specification which reflects final source code to the MDA/AB 90 days after Computer Program delivery. Work in process should be submitted as required to support events. Blocks 14/15: Data transmittals should be marked with the applicable Technical Instruction number(s). Form of Data Delivery: Electronic delivery shall be satisfied through on-line availability. Electronic delivery of classified data items will be accomplished through delivery of CD-ROM to satisfy specific documentation requirements. Digital delivery shall be made in Portable Document Format (PDF) compatible with ADOBE Acrobat application software, or other mutually agreeable commercial off-the-shelf software. Letter of transmittal shall be via e-mail with notification of file attributes and directory information for retrieval.						14. DISTRIBUTION			
						a. ADDRESSEE		b. COPIES	
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15. Total									

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A. CONTRACT LINE ITEM NO.		B. EXHIBIT		C. CATEGORY:									
0004/0017		A		<div style="display: flex; justify-content: space-around;"> TDP TM OTHER </div>									
D. SYSTEM/ITEM			E. CONTRACT/PR NO.		F. CONTRACTOR								
Aegis BMD			HQ0276-10-C-0001		Lockheed Martin MS2								
1. DATA ITEM NO.		2. TITLE OF DATA ITEM			3. SUBTITLE								
A017		System Safety Program Plan (SSPP)			See Block 16								
4. AUTHORITY (Data Acquisition Document No.)				5. CONTRACT REFERENCE		6. REQUIRING OFFICE							
DI-SAFT-81626				SOW 3.11		MDA/AB							
7. DD 250 REQ		9. DIST STATEMENT REQUIRED		10. FREQUENCY		12. DATE OF FIRST SUBMISSION							
LT		D-See Blk 16		ASREQ		See Block 16							
8. APP CODE				11. AS OF DATE		13. DATE OF SUBSEQUENT SUBMISSION							
See Block 16						See Block 16							
16. REMARKS						14. DISTRIBUTION							
						a. ADDRESSEE		b. COPIES					
								DRAFT		FINAL			
								Reg		Repr o			
<p>Block 3: Revisions to System Safety Program Plan</p> <p>Block 4: Update existing plan or generate new plan, as required, to reflect applicable Aegis BMD requirements. Contractor format is acceptable.</p> <p>Block 8: Technical approval of the preliminary plan and subsequent changes by the MDA/AB will be provided within 45 days of receipt of submittal. Technical approval is required prior to delivery of the updated plan.</p> <p>Block 9: Distribution Statement D: Distribution authorized to the Department of Defense and United States DoD contractors only (critical technology) (30 Jun 08). Other requests shall be referred to MDA/AB Aegis BMD.</p> <p>Blocks 12/13: Submit preliminary 45 days prior to Design Review (DR) or in accordance with Technical Instructions, as required. Final plan due within 30 days of approval by the MDA/AB.</p> <p>Blocks 14/15: Data transmittals should be marked with the applicable Technical Instruction number(s).</p> <p>Form of Data Delivery: Electronic delivery shall be satisfied through on-line availability. Electronic delivery of classified data items will be accomplished through delivery of CD-ROM to satisfy specific documentation requirements. Digital delivery shall be made in Portable Document Format (PDF) compatible with ADOBE Acrobat application software, or other mutually agreeable commercial off-the-shelf software. Letter of transmittal shall be via e-mail with notification of file attributes and directory information for retrieval.</p>						See Attached							
						Distribution List							
												15. Total	
						G. PREPARED BY				H. DATE		I. APPROVED BY	
						<div style="border: 1px solid black; height: 30px; width: 100%;"></div>							
						J. DATE							
						9/30/09							

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A. CONTRACT LINE ITEM NO. 0001/0004/0020/0022		B. EXHIBIT A		C. CATEGORY: TDP TM OTHER		
D. SYSTEM/ITEM Aegis BMD			E. CONTRACT/PR NO. HQ0276-10-C-0001		F. CONTRACTOR Lockheed Martin MS2	
1. DATA ITEM NO. A018	2. TITLE OF DATA ITEM Safety Assessment Report (SAR)			3. SUBTITLE Safety Statement		
4. AUTHORITY (Data Acquisition Document No.) DI-SAFT-80102B			5. CONTRACT REFERENCE SOW 3.11 & 3.10		6. REQUIRING OFFICE MDA/AB	
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED D-See Blk 16	10. FREQUENCY ASREQ	12. DATE OF FIRST SUBMISSION See Block 16	14. DISTRIBUTION		
8. APP CODE		11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION See Block 16	a. ADDRESSEE	b. COPIES	
				DRAFT	FINAL	
					Reg	Repr o
16. REMARKS Block 4: This is continuation of data previously delivered under Contract N00024-03-C-6110. Block 9: Distribution Statement D: Distribution authorized to the Department of Defense and United States DoD contractors only (critical technology) (30 Jun 08). Other requests shall be referred to MDA/AB Aegis BMD. Blocks 10/12/13: Initial report due 60 days after demo. Updates to baseline SAR, as required, 45 days prior to conduct of BMDS Integration System Tests. Blocks 14/15: Data transmittals should be marked with the applicable Technical Instruction number(s). Form of Data Delivery: Electronic delivery shall be satisfied through on-line availability. Electronic delivery of classified data items will be accomplished through delivery of CD-ROM to satisfy specific documentation requirements. Digital delivery shall be made in Portable Document Format (PDF) compatible with ADOBE Acrobat application software, or other mutually agreeable commercial off-the-shelf software. Letter of transmittal shall be via e-mail with notification of file attributes and directory information for retrieval.				See Attached		
				Distribution List		
				15. Total		
G. PREPARED BY			H. DATE		I. APPROVED BY (b)(6)	
					J. DATE 9/30/09	

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A. CONTRACT LINE ITEM NO. 0022/0023		B. EXHIBIT		C. CATEGORY: TDP TM OTHER							
D. SYSTEM/ITEM Aegis BMD			E. CONTRACT/PR NO. HQ0276-10-C-0001		F. CONTRACTOR Lockheed Martin MS2						
1. DATA ITEM NO. A020		2. TITLE OF DATA ITEM Internal Contractor Technical Data Report			3. SUBTITLE BMDS Test Report						
4. AUTHORITY (Data Acquisition Document No.) See Block 16			5. CONTRACT REFERENCE SOW 3.10		6. REQUIRING OFFICE MDA/AB						
7. DD 250 REQ LT		9. DIST STATEMENT REQUIRED D-See Blk 16		10. FREQUENCY See Block 16		12. DATE OF FIRST SUBMISSION See Block 16					
8. APP CODE See Block 16		11. AS OF DATE		13. DATE OF SUBSEQUENT SUBMISSION See Block 16		14. DISTRIBUTION					
16. REMARKS Block 4: Contractor format acceptable upon initial delivery. Approval for content and contractual compliance by MDA/AB. Approval will be provided within 30 days of submittal. Block 8: The data item shall be reviewed for technical and contractual requirements by the MDA/AB. Block 9: Distribution Statement F: Further distribution only as directed by Aegis BMD. Block 10/12/13: Not later than 90 days after BMDS Flight Tests, Ground Tests, and PA events, as required IAW the Technical Instruction. Blocks 14/15: Data transmittals should be marked with the applicable Technical Instruction number(s). Form of Data Delivery: Electronic delivery shall be satisfied through on-line availability. Electronic delivery of classified data items will be accomplished through delivery of CD-ROM to satisfy specific documentation requirements. Digital delivery shall be made in Portable Document Format (PDF) compatible with ADOBE Acrobat application software, or other mutually agreeable commercial off-the-shelf software. Letter of transmittal shall be via e-mail with notification of file attributes and directory information for retrieval.						a. ADDRESSEE		b. COPIES			
								DRAFT		FINAL	
								Reg		Repr	
15. Total											
G. PREPARED BY			H. DATE		I. APPROVED BY (b)(6)		J. DATE 9/30/09				

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CONTRACT DATA REQUIREMENTS LIST <i>(1 Data Item)</i>						<i>Form Approved</i> OMB No. 0704-0188			
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A. CONTRACT LINE ITEM NO.		B. EXHIBIT		C. CATEGORY:					
0004/0011/0017		A		TDP TM OTHER					
D. SYSTEM/ITEM			E. CONTRACT/PR NO.		F. CONTRACTOR				
Aegis BMD			HQ0276-10-C-0001		Lockheed Martin MS2				
1. DATA ITEM NO.		2. TITLE OF DATA ITEM			3. SUBTITLE				
A021		Reliability Allocations, Assessments and Analysis Report			ACS				
4. AUTHORITY (Data Acquisition Document No.)				5. CONTRACT REFERENCE		6. REQUIRING OFFICE			
See Block 16				SOW 3.12		MDA/AB			
7. DD 250 REQ		9. DIST STATEMENT REQUIRED		10. FREQUENCY		12. DATE OF FIRST SUBMISSION			
LT		D-See Blk 16		ASREQ		See Block 16			
8. APP CODE				11. AS OF DATE		13. DATE OF SUBSEQUENT SUBMISSION			
						See Block 16			
16. REMARKS Block 4: Contractor format is acceptable. Scope of report is limited to Aegis BMD Requirements changes included in specific Technical Instructions or contract mods. Block 9: Distribution Statement D: Distribution authorized to the Department of Defense and United States DoD contractors only (critical technology) (30 Jun 08). Other requests shall be referred to MDA/AB Aegis BMD. Blocks 10/12/13: Preliminary report due <u>45</u> days prior to Aegis BMD Critical Design Review (CDR). Final report due <u>180</u> days after CDR. Blocks 14/15: Data transmittals should be marked with the applicable Technical Instruction number(s). Form of Data Delivery: Electronic delivery shall be satisfied through on-line availability. Electronic delivery of classified data items will be accomplished through delivery of CD-ROM to satisfy specific documentation requirements. Digital delivery shall be made in Portable Document Format (PDF) compatible with ADOBE Acrobat application software, or other mutually agreeable commercial off-the-shelf software. Letter of transmittal shall be via e-mail with notification of file attributes and directory information for retrieval.						14. DISTRIBUTION			
						a. ADDRESSEE		b. COPIES	
								DRAFT FINAL Reg Repr o o	
						See Attached			
						Distribution List			
						15. Total			
G. PREPARED BY				H. DATE		I. APPROVED BY			
						(b)(6)			
						J. DATE 9/30/09			

17. PRICE GROUP
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CONTRACT DATA REQUIREMENTS LIST (1 Data Item)						Form Approved OMB No. 0704-0188			
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A. CONTRACT LINE ITEM NO. 0004/0011/0017		B. EXHIBIT A		C. CATEGORY: TDP TM OTHER					
D. SYSTEM/ITEM Aegis BMD			E. CONTRACT/PR NO. HQ0276-10-C-0001		F. CONTRACTOR Lockheed Martin MS2				
1. DATA ITEM NO. A022		2. TITLE OF DATA ITEM Revisions to Existing Government Documents			3. SUBTITLE Reliability Program Plan				
4. AUTHORITY (Data Acquisition Document No.) DI-ADMN-80925			5. CONTRACT REFERENCE SOW 3.12		6. REQUIRING OFFICE MDA/AB				
7. DD 250 REQ LT		9. DIST STATEMENT REQUIRED D-See Blk 16		10. FREQUENCY ASREQ		12. DATE OF FIRST SUBMISSION See Block 16			
8. APP CODE See Block 16		11. AS OF DATE		13. DATE OF SUBSEQUENT SUBMISSION See Block 16		14. DISTRIBUTION			
16. REMARKS Block 8: This data item will be reviewed for technical and contractual compliance. Block 9: Distribution Statement D: Distribution authorized to the Department of Defense and United States DoD contractors only (critical technology) (30 Jun 08). Other requests shall be referred to MDA/AB Aegis BMD. Blocks 14/15: Data transmittals should be marked with the applicable Technical Instruction number(s). Form of Data Delivery: Electronic delivery shall be satisfied through on-line availability. Electronic delivery of classified data items will be accomplished through delivery of CD-ROM to satisfy specific documentation requirements. Digital delivery shall be made in Portable Document Format (PDF) compatible with ADOBE Acrobat application software, or other mutually agreeable commercial off-the-shelf software. Letter of transmittal shall be via e-mail with notification of file attributes and directory information for retrieval.						a. ADDRESSEE		b. COPIES	
G. PREPARED BY			H. DATE		I. APPROVED BY (b)(6)		J. DATE 9/30/09		

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A. CONTRACT LINE ITEM NO. <div style="text-align: center;">0004/0011/0017</div>		B. EXHIBIT <div style="text-align: center;">A</div>		C. CATEGORY: <div style="display: flex; justify-content: space-around;"> TDP TM OTHER </div>										
D. SYSTEM/ITEM Aegis BMD			E. CONTRACT/PR NO. HQ0276-10-C-0001		F. CONTRACTOR Lockheed Martin MS2									
1. DATA ITEM NO. <div style="text-align: center;">A023</div>		2. TITLE OF DATA ITEM Internal Contractor Technical Data Report			3. SUBTITLE Design Review Plan									
4. AUTHORITY (Data Acquisition Document No.) DI-SESS-81309			5. CONTRACT REFERENCE SOW 3.7		6. REQUIRING OFFICE MDA/AB									
7. DD 250 REQ <div style="text-align: center;">LT</div>		9. DIST STATEMENT REQUIRED D-See Blk 16		10. FREQUENCY <div style="text-align: center;">ASREQ</div>		12. DATE OF FIRST SUBMISSION <div style="text-align: center;">ASREQ</div>								
8. APP CODE <div style="text-align: center;">A</div>		11. AS OF DATE		13. DATE OF SUBSEQUENT SUBMISSION <div style="text-align: center;">ASREQ</div>		14. DISTRIBUTION <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td rowspan="3" style="width: 50%; vertical-align: top;">a. ADDRESSEE</td> <td colspan="2" style="text-align: center;">b. COPIES</td> </tr> <tr> <td style="text-align: center;">DRAFT</td> <td style="text-align: center;">FINAL</td> </tr> <tr> <td style="text-align: center;">Reg</td> <td style="text-align: center;">Repr o</td> </tr> </table>		a. ADDRESSEE	b. COPIES		DRAFT	FINAL	Reg	Repr o
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	DRAFT	FINAL												
	Reg	Repr o												
16. REMARKS Block 9: Distribution Statement D: Distribution authorized to the Department of Defense and United States DoD contractors only (critical technology) (30 Jun 08). Other requests shall be referred to MDA/AB Aegis BMD. Blocks 10/12/13: Submit Design Review (DR) Plan 90 days prior to DR. Blocks 14/15: Data transmittals should be marked with the applicable Technical Instruction number(s). Form of Data Delivery: Electronic delivery shall be satisfied through on-line availability. Electronic delivery of classified data items will be accomplished through delivery of CD-ROM to satisfy specific documentation requirements. Digital delivery shall be made in Portable Document Format (PDF) compatible with ADOBE Acrobat application software, or other mutually agreeable commercial off-the-shelf software. Letter of transmittal shall be via e-mail with notification of file attributes and directory information for retrieval.						See Attached								
						Distribution List								
												15. Total		
G. PREPARED BY			H. DATE		I. APPROVED BY (b)(6)		J. DATE <div style="font-size: 1.5em;">9/30/09</div>							

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A. CONTRACT LINE ITEM NO.		B. EXHIBIT		C. CATEGORY:					
0004/0011/0020		A		<div style="display: flex; justify-content: space-around;"> TDP TM OTHER </div>					
D. SYSTEM/ITEM			E. CONTRACT/PR NO.		F. CONTRACTOR				
Aegis BMD			HQ0276-10-C-0001		Lockheed Martin MS2				
1. DATA ITEM NO.		2. TITLE OF DATA ITEM			3. SUBTITLE				
A024		Revisions to Existing Government Documents			See Block 16				
4. AUTHORITY (Data Acquisition Document No.)			5. CONTRACT REFERENCE		6. REQUIRING OFFICE				
DI-ADMN-80925			SOW 3.3 and 3.7		MDA/AB				
7. DD 260 REQ		9. DIST STATEMENT REQUIRED		10. FREQUENCY		12. DATE OF FIRST SUBMISSION			
LT		D-See Blk 16		ASREQ		See Block 16			
8. APP CODE		11. AS OF DATE		13. DATE OF SUBSEQUENT SUBMISSION		14. DISTRIBUTION <div style="display: flex; justify-content: space-between;"> <div style="width: 60%;">a. ADDRESSEE</div> <div style="width: 35%;">b. COPIES</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <div style="width: 60%;"></div> <div style="width: 35%; text-align: center;"> <div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 2px;">DRAFT</div> <div style="border: 1px solid black; padding: 2px;">FINAL</div> </div> <div style="display: flex; justify-content: space-around; font-size: 0.8em;"> <div style="border: 1px solid black; padding: 2px;">Reg</div> <div style="border: 1px solid black; padding: 2px;">Repr o</div> </div> </div> </div>			
See Block 16				See Block 16					
16. REMARKS Block 3: I) Interface Design Specification (IDS) II) Program Performance Specification (PPS) III) Program Design Document (PDD) IV) Configuration Item Development Specification Block 4: Update existing specifications, generate new specifications, or develop SCNs, as required, to reflect Aegis BMD requirements. Reissue specification/ document when 50% affected by changes or when re-identification is required. Blocks 7/8: Technical approval for contractual compliance required by the MDA/AB and Aegis Technical Representative before implementing proposed changes (SCNs). Technical approval of final specification or SCN required within 45 days after submission to the MDA/AB and Aegis Technical Representative. Adjudicated comments shall be included in final SCN or final delivery of specification. Block 9: Distribution Statement D: Distribution authorized to the Department of Defense and United States DoD contractors only (critical technology) (30 Jun 08). Other requests shall be referred to MDA/AB Aegis BMD. Block 12: Deliver release copy of specification or release copy of SCN 90 days after Critical Design Review (CDR) and place under configuration control upon technical concurrence. Block 13: I/II/IV Deliver final specification 105 days after computer program delivery (including additions and adjudications, if necessary). III) Deliver final specification 90 days after computer program delivery (including additions and adjudications, if necessary). Note: Work in progress should be submitted as required to support events. Provide final SCN, if appropriate, under this contract. Blocks 14/15: Data transmittals should be marked with the applicable Technical Instruction number(s). Form of Data Delivery: Electronic delivery shall be satisfied through on-line availability. Electronic delivery of classified data items will be accomplished through delivery of CD-ROM to satisfy specific documentation requirements. Digital delivery shall be made in Portable Document Format (PDF) compatible with ADOBE Acrobat application software, or other mutually agreeable commercial off-the-shelf software. Letter of transmittal shall be via e-mail with notification of file attributes and directory information for retrieval.						See Attached			
						Distribution List			
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A. CONTRACT LINE ITEM NO. 0001/0004/0017/0020		B. EXHIBIT A		C. CATEGORY: TDP TM OTHER																																																													
D. SYSTEM/ITEM Aegis BMD			E. CONTRACT/PR NO. HQ0276-10-C-0001		F. CONTRACTOR Lockheed Martin MS2																																																												
1. DATA ITEM NO. A025		2. TITLE OF DATA ITEM Revisions to Existing Government Documents			3. SUBTITLE See Block 16																																																												
4. AUTHORITY (Data Acquisition Document No.) DI-ADMN-80925			5. CONTRACT REFERENCE SOW 3.3 and 3.7		6. REQUIRING OFFICE MDA/AB																																																												
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16. REMARKS Block 3: I) Prime Item Development Specification; Type B1-AC SIS II) Program Performance Specification-AC SIS (PPS) III) Program Design Document-AC SIS (PDD) Block 4: Update existing specifications, generate new specifications, or develop SCNs, as required, to reflect Aegis BMD requirements. Reissue specification/document when 50% affected by changes or when re-identification is required. Blocks 7/8: Technical approval for contractual compliance required by MDA/AB and Aegis Technical Representative before implementing changes (SCNs). Technical approval of final specification or SCN required within 45 days after submission to MDA/AB and Aegis Technical Representative. Adjudicated comments shall be included in final SCN or final delivery of specification. Block 9: Distribution Statement D: Distribution authorized to the Department of Defense and United States DoD contractors only (critical technology) (30 Jun 08). Other requests shall be referred to MDA/AB Aegis BMD. Blocks 10/12/13: As required to keep document current with ACSIS program requirements. Deliver preliminary copy 45 days prior to Design Review (DR). Deliver final copy 30 days after DR (including additions and adjudications, as necessary). Work in process should be submitted as required to support events. Blocks 14/15: Data transmittals should be marked with the applicable Technical Instruction number(s). Form of Data Delivery: Electronic delivery shall be satisfied through on-line availability. Electronic delivery of classified data items will be accomplished through delivery of CD-ROM to satisfy specific documentation requirements. Digital delivery shall be made in Portable Document Format (PDF) compatible with ADOBE Acrobat application software, or other mutually agreeable commercial off-the-shelf software. Letter of transmittal shall be via e-mail with notification of file attributes and directory information for retrieval.				<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="height: 20px;"></td> <td colspan="2" style="height: 20px;"></td> </tr> <tr><td colspan="2" style="height: 20px;"></td><td colspan="2" style="height: 20px;"></td></tr> <tr><td colspan="2" style="height: 20px;"></td><td colspan="2" style="height: 20px;"></td></tr> <tr><td colspan="2" style="height: 20px;"></td><td colspan="2" style="height: 20px;"></td></tr> <tr><td colspan="2" style="height: 20px;"></td><td colspan="2" style="height: 20px;"></td></tr> <tr><td colspan="2" style="height: 20px;"></td><td colspan="2" style="height: 20px;"></td></tr> <tr><td colspan="2" style="height: 20px;"></td><td colspan="2" style="height: 20px;"></td></tr> <tr><td colspan="2" style="height: 20px;"></td><td colspan="2" style="height: 20px;"></td></tr> <tr><td colspan="2" style="height: 20px;"></td><td colspan="2" style="height: 20px;"></td></tr> <tr><td colspan="2" style="height: 20px;"></td><td colspan="2" style="height: 20px;"></td></tr> <tr><td colspan="2" style="height: 20px;"></td><td colspan="2" style="height: 20px;"></td></tr> <tr><td colspan="2" style="height: 20px;"></td><td colspan="2" style="height: 20px;"></td></tr> <tr><td colspan="2" style="height: 20px;"></td><td colspan="2" style="height: 20px;"></td></tr> <tr><td colspan="2" style="height: 20px;"></td><td colspan="2" style="height: 20px;"></td></tr> <tr> <td colspan="2">15. Total</td> <td></td> <td></td> </tr> </table>																																																										15. Total			
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A. CONTRACT LINE ITEM NO. 0001/0004		B. EXHIBIT A		C. CATEGORY: TDP TM OTHER					
D. SYSTEM/ITEM Aegis BMD			E. CONTRACT/PR NO. HQ0276-10-C-0001		F. CONTRACTOR Lockheed Martin MS2				
1. DATA ITEM NO. A028		2. TITLE OF DATA ITEM Revisions to Existing Government Documents			3. SUBTITLE Inventory Items Specification				
4. AUTHORITY (Data Acquisition Document No.) DI-ADMN-80925			5. CONTRACT REFERENCE SOW 3.3 and 3.7		6. REQUIRING OFFICE MDA/AB				
7. DD 250 REQ LT		9. DIST STATEMENT REQUIRED D-See Blk 16		10. FREQUENCY ASREQ		12. DATE OF FIRST SUBMISSION See Block 16			
8. APP CODE See Block 16				11. AS OF DATE		13. DATE OF SUBSEQUENT SUBMISSION See Block 16			
16. REMARKS Block 4: Revise existing specifications or generate new specifications, as required, to reflect the requirements of each Completion CLIN or Technical Instruction (TI). Blocks 7/8: Technical approval for contractual compliance required by the MDA/AB and Aegis Technical Representative before implementing proposed changes (SCNs). Technical approval of final specification or SCN required within 45 days after submission to MDA/AB and Aegis Technical Representative. Adjudicated comments shall be included in final SCN or final delivery of specification. Block 9: Distribution Statement D: Distribution authorized to the Department of Defense and United States DoD contractors only (critical technology) (30 Jun 08). Other requests shall be referred to MDA/AB Aegis BMD. Blocks 12/13: Deliver, as required, to document changes required by program requirements. Blocks 14/15: Data transmittals should be marked with the applicable TI number(s). Form of Data Delivery: Electronic delivery shall be satisfied through on-line availability. Electronic delivery of classified data items will be accomplished through delivery of CD-ROM to satisfy specific documentation requirements. Digital delivery shall be made in Portable Document Format (PDF) compatible with ADOBE Acrobat application software, or other mutually agreeable commercial off-the-shelf software. Letter of transmittal shall be via e-mail with notification of file attributes and directory information for retrieval.						14. DISTRIBUTION			
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A. CONTRACT LINE ITEM NO. 0001/0004/0020		B. EXHIBIT A		C. CATEGORY: TDP TM OTHER					
D. SYSTEM/ITEM Aegis BMD			E. CONTRACT/PR NO. HQ0276-10-C-0001		F. CONTRACTOR Lockheed Martin MS2				
1. DATA ITEM NO. A029		2. TITLE OF DATA ITEM Drawings, Engineering and Associated Lists			3. SUBTITLE				
4. AUTHORITY (Data Acquisition Document No.) DI-CMAN-80776			5. CONTRACT REFERENCE SOW 3.14		6. REQUIRING OFFICE MDA/AB				
7. DD 250 REQ LT		9. DIST STATEMENT REQUIRED D-See Blk 16		10. FREQUENCY ASREQ		12. DATE OF FIRST SUBMISSION See Block 16			
8. APP CODE				11. AS OF DATE		13. DATE OF SUBSEQUENT SUBMISSION See Block 16			
16. REMARKS Block 9: Distribution Statement D: Distribution authorized to the Department of Defense and United States DoD contractors only (critical technology) (30 Jun 08). Other requests shall be referred to MDA/AB Aegis BMD. Blocks 12/13: At computer program acceptance or in accordance with Technical Instruction. Aegis BMD Weapons System Computer Programs are described in the following drawings: <ul style="list-style-type: none"> Computer Program Set, Aegis Weapon System Computer Program, Generation/Maintenance Set (Tactical) Computer Program, Generation/Maintenance Set (Support) Form of Data Delivery: Electronic delivery shall be satisfied through on-line availability. Electronic delivery of classified data items will be accomplished through delivery of CD-ROM to satisfy specific documentation requirements. Digital delivery shall be made in Portable Document Format (PDF) compatible with ADOBE Acrobat application software, or other mutually agreeable commercial off-the-shelf software. Letter of transmittal shall be via e-mail with notification of file attributes and directory information for retrieval.						14. DISTRIBUTION			
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D. SYSTEM/ITEM Aegis BMD			E. CONTRACT/PR NO. HQ0276-10-C-0001		F. CONTRACTOR Lockheed Martin MS2		
1. DATA ITEM NO. A030	2. TITLE OF DATA ITEM Revisions to Existing Government Documents				3. SUBTITLE See Block 16		
4. AUTHORITY (Data Acquisition Document No.) DI-ADMN-80925			5. CONTRACT REFERENCE SOW 3.3		6. REQUIRING OFFICE MDA/AB		
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED D-See Blk 16	10. FREQUENCY ASREQ	12. DATE OF FIRST SUBMISSION See Block 16		14. DISTRIBUTION		
8. APP CODE		11. AS OF DATE See Block 16	13. DATE OF SUBSEQUENT SUBMISSION See Block 16		a. ADDRESSEE	b. COPIES	
						DRAFT	FINAL
						Reg	Repr o
16. REMARKS Block 3: Aegis Control Documentation (ACD) Series Documents: Computer Program Description Document (CPDD); Data Extraction and Reduction (DXDR); Data Dictionary (DD); ACD User Manuals Block 4: Documents and revision format to be mutually agreed upon by the MDA/AB and the contractor or via Technical Instruction (TI). Block 9: Distribution Statement D: Distribution authorized to the Department of Defense and United States DoD contractors only (critical technology) (30 Jun 08). Other requests shall be referred to MDA/AB Aegis BMD. Blocks 11/12/13: Draft, as required, to support events or in accordance with TI. Final copy to be delivered at Computer Program (CP) delivery. Master electronic copy due 30 days after CP delivery. Blocks 14/15: Data transmittals should be marked with the applicable TI numbers. Form of Data Delivery: Electronic delivery shall be satisfied through on-line availability. Electronic delivery of classified data items will be accomplished through delivery of CD-ROM to satisfy specific documentation requirements. Digital delivery shall be made in Portable Document Format (PDF) compatible with ADOBE Acrobat application software, or other mutually agreeable commercial off-the-shelf software. Letter of transmittal shall be via e-mail with notification of file attributes and directory information for retrieval.					See Attached		
					Distribution List		
G. PREPARED BY			H. DATE		I. APPROVED BY (b)(6)		J. DATE 9/30/09

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

CONTRACT DATA REQUIREMENTS LIST (1 Data Item)					Form Approved OMB No. 0704-0188	
<small>Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.</small>						
A. CONTRACT LINE ITEM NO. 0004/0020		B. EXHIBIT A	C. CATEGORY: TDP TM OTHER			
D. SYSTEM/ITEM Aegis BMD		E. CONTRACT/PR NO. HQ0276-10-C-0001		F. CONTRACTOR Lockheed Martin MS2		
1. DATA ITEM NO. A032	2. TITLE OF DATA ITEM Test/Inspection Report			3. SUBTITLE Final Test Reports		
4. AUTHORITY (Data Acquisition Document No.) DI-NDTI-80809B		5. CONTRACT REFERENCE SOW 3.8		6. REQUIRING OFFICE MDA/AB		
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED F--See Blk 16	10. FREQUENCY ASREQ	12. DATE OF FIRST SUBMISSION See Block 16	14. DISTRIBUTION		
8. APP CODE		11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION N/A	a. ADDRESSEE		b. COPIES
						DRAFT
						FINAL
						Reg Repr o
16. REMARKS Block 7: Letter of Transmittal shall be via e-mail with notification of file attributes and directory information for retrieval. Block 9: Distribution Statement F: Further distribution only as directed by Aegis BMD. Block 12: Not later than 90 days after the last test event. Blocks 14/15: Data transmittals should be marked with the applicable Technical Instruction numbers, if required. Block 14a: Addressee List and Data Distribution Profile are provided as Enclosures 1 and 2 to the Exhibits. Block 14b: See paragraph 12 of Enclosure 3 to the Exhibits. Form of Data Delivery: Electronic delivery shall be satisfied through on-line availability. Electronic delivery of classified data items will be accomplished through delivery of CD-ROM to satisfy specific documentation requirements. Digital delivery shall be made in Portable Document Format (PDF) compatible with ADOBE Acrobat application software, or other mutually agreeable commercial off-the-shelf software. Letter of transmittal shall be via e-mail with notification of file attributes and directory information for retrieval.				See Attached		
				Distribution List		
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A. CONTRACT LINE ITEM NO.		B. EXHIBIT		C. CATEGORY:					
0001/0004/0011/0026		A		TDP TM OTHER					
D. SYSTEM/ITEM			E. CONTRACT/PR NO.		F. CONTRACTOR				
Aegis BMD			HQ0276-10-C-0001		Lockheed Martin MS2				
1. DATA ITEM NO.		2. TITLE OF DATA ITEM			3. SUBTITLE				
A033		Revisions to Existing Government Documents			Technical Manuals (Draft)				
4. AUTHORITY (Data Acquisition Document No.)				5. CONTRACT REFERENCE		6. REQUIRING OFFICE			
DI-ADMN-80925				SOW 3.18		MDA/AB			
7. DD 250 REQ		9. DIST STATEMENT REQUIRED		10. FREQUENCY		12. DATE OF FIRST SUBMISSION			
LT		F-See Blk 16		ASREQ		See Block 16			
8. APP CODE				11. AS OF DATE		13. DATE OF SUBSEQUENT SUBMISSION			
16. REMARKS Use existing manuals to develop manuals which reflect authorized Baseline. Block 9: Distribution Statement F: Further distribution only as directed by Aegis BMD. Block 12: Submit draft manuals in accordance with Government Direction. Blocks 14/15: Data transmittals should be marked with the applicable TI numbers. NOTE: Submission by electronic media is encouraged.						14. DISTRIBUTION			
								b. COPIES	
						a. ADDRESSEE		DRAFT	FINAL
								<small>Reg</small>	<small>Repr o</small>
						See Attached			
						Distribution List			
						15. Total			
G. PREPARED BY				H. DATE		I. APPROVED BY			
						(b)(6)			
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A. CONTRACT LINE ITEM NO. 0001/0004/0011/0026		B. EXHIBIT A		C. CATEGORY: TDP TM OTHER							
D. SYSTEM/ITEM Aegis BMD			E. CONTRACT/PR NO. HQ0276-10-C-0001		F. CONTRACTOR Lockheed Martin MS2						
1. DATA ITEM NO. A034		2. TITLE OF DATA ITEM Internal Contractor Technical Data Report			3. SUBTITLE See Block 16						
4. AUTHORITY (Data Acquisition Document No.) DI-SESS-81309A			5. CONTRACT REFERENCE SOW 3.18		6. REQUIRING OFFICE MDA/AB						
7. DD 250 REQ LT		9. DIST STATEMENT REQUIRED D-See Blk 16		10. FREQUENCY Qrtly		12. DATE OF FIRST SUBMISSION 120 DAC					
8. APP CODE		11. AS OF DATE		13. DATE OF SUBSEQUENT SUBMISSION 15 DARP		14. DISTRIBUTION					
16. REMARKS Block 3: Technical Manual Status Report (Electronic Bulletin Board) Block 7: No inspection, acceptance, or letter of transmittal required. Block 9: Distribution Statement D: Distribution authorized to the Department of Defense and United States DoD contractors only (critical technology) (30 Jun 08). Other requests shall be referred to MDA/AB Aegis BMD. Blocks 14/15: Data transmittals should be marked with the applicable Technical Instruction number(s), if required. Form of Data Delivery: Electronic delivery shall be satisfied through on-line availability. Electronic delivery of classified data items will be accomplished through delivery of CD-ROM to satisfy specific documentation requirements. Digital delivery shall be made in Portable Document Format (PDF) compatible with ADOBE Acrobat application software, or other mutually agreeable commercial off-the-shelf software.						a. ADDRESSEE		b. COPIES			
								DRAFT		FINAL	
								Reg		Repr o	
15. Total											
G. PREPARED BY			H. DATE		I. APPROVED BY (b)(6)		J. DATE 9/30/09				

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A. CONTRACT LINE ITEM NO. 0001/0004/0017		B. EXHIBIT A		C. CATEGORY: TDP TM OTHER					
D. SYSTEM/ITEM Aegis BMD			E. CONTRACT/PR NO. HQ0276-10-C-0001		F. CONTRACTOR Lockheed Martin MS2				
1. DATA ITEM NO. A035		2. TITLE OF DATA ITEM Technical Report – Study/Services			3. SUBTITLE See Block 16				
4. AUTHORITY (Data Acquisition Document No.) DI-SAFT-80101B			5. CONTRACT REFERENCE SOW 3.11		6. REQUIRING OFFICE MDA/AB				
7. DD 250 REQ LT		9. DIST STATEMENT REQUIRED See Block 16		10. FREQUENCY See Block 16		12. DATE OF FIRST SUBMISSION See Block 16			
8. APP CODE		11. AS OF DATE		13. DATE OF SUBSEQUENT SUBMISSION See Block 16		14. DISTRIBUTION			
16. REMARKS Block 3: The following reports shall be provided for Aegis BMD 4.0.1, 5.0, and 5.1. For BMD 5.0 and 5.1 results will be presented as part of an Integrated Hazard Analysis (IHA): Safety Requirements/Criteria Analysis (SRCA) Preliminary Hazard Analysis (PHA) Subsystem Hazard Analysis (SSHA) System Hazard Analysis (SHA) Block 7: Letter of transmittal shall be via e-mail with notification of file attributes and directory information for retrieval. Block 9: Distribution Statement D: Distribution authorized to the Department of Defense and United States DoD contractors only (critical technology) (30 Jun 08). Other requests shall be referred to MDA/AB Aegis BMD. Blocks 10/12/13: Frequency and delivery will be defined by the Government or as per Technical Instruction. Developer in conjunction with Principal For Safety (PFS) will establish format and content. Submit final report within [60] days of the final delivery of the computer program.						a. ADDRESSEE		b. COPIES	
						DRAFT		FINAL	
						Reg		Repro	
15. Total						See Attached			
						Distribution List			

G. PREPARED BY		H. DATE		I. APPROVED BY (b)(6)		J. DATE 9/30/09	
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A. CONTRACT LINE ITEM NO. <div style="text-align: center;">0001/0004/0020</div>		B. EXHIBIT <div style="text-align: center;">A</div>		C. CATEGORY: <div style="display: flex; justify-content: space-around;"> TDP TM OTHER </div>																																										
D. SYSTEM/ITEM Aegis BMD			E. CONTRACT/PR NO. HQ0276-10-C-0001		F. CONTRACTOR Lockheed Martin MS2																																									
1. DATA ITEM NO. <div style="text-align: center;">A036</div>		2. TITLE OF DATA ITEM Computer Program			3. SUBTITLE See Block 16																																									
4. AUTHORITY (Data Acquisition Document No.) See Block 16			5. CONTRACT REFERENCE SOW 3.4		6. REQUIRING OFFICE MDA/AB																																									
7. DD 250 REQ See Block 16		9. DIST STATEMENT REQUIRED D-See Blk 16		10. FREQUENCY See Block 16		12. DATE OF FIRST SUBMISSION See Block 16																																								
8. APP CODE See Block 16		11. AS OF DATE See Block 16		13. DATE OF SUBSEQUENT SUBMISSION See Block 16		14. DISTRIBUTION <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th rowspan="3" style="width: 60%;">a. ADDRESSEE</th> <th colspan="2">b. COPIES</th> </tr> <tr> <th rowspan="2" style="width: 15%;">DRAFT</th> <th style="width: 25%;">FINAL</th> </tr> <tr> <th>Reg</th> <th>Repr o</th> </tr> <tr><td rowspan="15" style="height: 100px; vertical-align: top;">See Attached Distribution List</td><td></td><td></td></tr> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> <tr> <td colspan="2">15. Total</td> <td></td> </tr> </table>		a. ADDRESSEE	b. COPIES		DRAFT	FINAL	Reg	Repr o	See Attached Distribution List																													15. Total		
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	DRAFT	FINAL																																												
		Reg	Repr o																																											
See Attached Distribution List																																														
	15. Total																																													
18. REMARKS Block 4: No DID is applicable for this deliverable. The Contractor shall deliver the results of the work performed. Blocks 7/8: Government inspection and acceptance shall be specified in Section E of the contract. Block 9: Distribution Statement D: Distribution authorized to the Department of Defense and United States DoD contractors only (critical technology) (30 Jun 08). Other requests shall be referred to MDA/AB Aegis BMD. Block 10: The contractor shall deliver one original Computer Program. Blocks 11/12/13: The contractor shall deliver the Computer Program on the dates provided by the Government.																																														
G. PREPARED BY		H. DATE		I. APPROVED BY (b)(6)		J. DATE <div style="font-size: 1.5em;">9/30/09</div>																																								

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A. CONTRACT LINE ITEM NO. 0001/0004/0011/0017/ 0020/0022/0023/0025		B. EXHIBIT A		C. CATEGORY: TDP TM OTHER					
D. SYSTEM/ITEM Aegis BMD			E. CONTRACT/PR NO. HQ0276-10-C-0001		F. CONTRACTOR Lockheed Martin MS2				
1. DATA ITEM NO. A037		2. TITLE OF DATA ITEM Cost Data Summary Report (DD Form 1921)			3. SUBTITLE Contractor Cost Data Reporting (CCDR)				
4. AUTHORITY (Data Acquisition Document No.) DI-FNCL-81565B			5. CONTRACT REFERENCE SOW 3.2		6. REQUIRING OFFICE MDA/AB				
7. DD 250 REQ N/A		9. DIST STATEMENT REQUIRED F		10. FREQUENCY See Block 16		12. DATE OF FIRST SUBMISSION See Block 16			
8. APP CODE See Block 16		11. AS OF DATE		13. DATE OF SUBSEQUENT SUBMISSION See Block 16		14. DISTRIBUTION			
16. REMARKS Block 8: Government approval shall be provided by MDA/DOE. Blocks 10/12/13: Prepare in accordance with the CAIG Chair-approved Contract Cost and Software Data Reporting (CSDR) Plan and the CCDR manual (DoD 5000.4 M-1). The CCDR Manual is available from the DCARC Web Site at http://dcarc.pae.osd.mil . The responsible DoD office for receiving and storing all CCDR-related format is: <div style="margin-left: 40px;"> Defense Cost and Resource Center (DCARC) 1111 Jefferson Davis Highway P.O. Box 005 Arlington, VA 22202 (703) 602-3169 </div> Prepare CCDR data in electronic format in accordance with the detailed instructions contained in Data Item Description DI-FNCL-81565B. Prime contractors are responsible for flowing down CCDR requirements contained in their prime subcontracts who meet the reporting thresholds. This includes requiring subcontractors to electronically report directly to the DCARC. Initial submission (hardcopy and electronic) shall be delivered 60 days after contract award and yearly thereafter. Block 14: Electronic delivery shall be made to the addressees identified in the DDL. Block 14a: Submission of this data to DCARC shall be via Electronic Data Interchange. Electronic data transmission shall be in Excel format. DCARC's e-mail address is http://dcarc.pae.osd.mil .						a. ADDRESSEE		b. COPIES	
						DRAFT		FINAL	
						Reg		Repr	
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15. Total									
G. PREPARED BY			H. DATE		(b)(6)		J. DATE 9/30/09		

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A. CONTRACT LINE ITEM NO.		B. EXHIBIT		C. CATEGORY:					
0001/0004/0020		A		<div style="display: flex; justify-content: space-around;"> TDP TM OTHER </div>					
D. SYSTEM/ITEM			E. CONTRACT/PR NO.		F. CONTRACTOR				
Aegis BMD			HQ0276-10-C-0001		Lockheed Martin MS2				
1. DATA ITEM NO.		2. TITLE OF DATA ITEM			3. SUBTITLE				
A039		Software Resources Data Report - Final							
4. AUTHORITY (Data Acquisition Document No.)			5. CONTRACT REFERENCE		6. REQUIRING OFFICE				
DI-MGMT-81740 See Block 16			SOW 3.2		MDA/AB				
7. DD 280 REQ		9. DIST STATEMENT REQUIRED		10. FREQUENCY		12. DATE OF FIRST SUBMISSION			
N/A		D-See Block 16		See Block 16		See Block 16			
8. APP CODE				11. AS OF DATE		13. DATE OF SUBSEQUENT SUBMISSION			
See Block 16						See Block 16			
16. REMARKS Block 4: Prepare SRDR – Final report using the format at Enclosures 4 and 5 of the CDRL package. Block 8: Government approval shall be provided by MDA/DOE. Block 9: Distribution Statement D: Distribution authorized to the Department of Defense and United States DoD contractors only (critical technology) (30 Jun 08). Other requests shall be referred to MDA/AB Aegis BMD. Blocks 10/12/13: Submit Final report within <u>60</u> days of the final delivery of the computer program. Report in accordance with approved Cost Data Summary Report (CDSR).. Report in accordance with approved Cost Data Summary Report (CDSR). In addition to SRDR also report for each Baseline and each applicable contract WBS Element (Enclosure 5): <ul style="list-style-type: none"> • Total Delivered Source Lines of Code (DSLOC) and DSLOCs segregated as New, Modified, Reuse, NDI • Economic Adjustment Factor (EAF) for Design, Code and Test for New, Modified, Reused and NDI DSLOCs • Contractor, Site, Man Hours per Man year, SEI CMMI Level • Application Criticality • Programming Language, Productivity Rate, Productivity Rate Basis, Productivity Rate Definition Block 14: Electronic delivery shall be made to the addressees identified in the DDL. Block 14a: Submit data to DCARC and MDA via electronic media, Excel format.						14. DISTRIBUTION			
						a. ADDRESSEE		b. COPIES	
								DRAFT FINAL	
								Reg Repr o o	
						See Attached			
						Distribution List			
						15. Total			
G. PREPARED BY			H. DATE		I. APPROVED BY		J. DATE		
					(b)(6)		9/30/09		

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A. CONTRACT LINE ITEM NO. 0001/0004/0011/0017		B. EXHIBIT A		C. CATEGORY: TDP TM OTHER					
D. SYSTEM/ITEM Aegis BMD			E. CONTRACT/PR NO. HQ0276-10-C-0001		F. CONTRACTOR Lockheed Martin MS2				
1. DATA ITEM NO. A040		2. TITLE OF DATA ITEM Management Plan			3. SUBTITLE Integrated Management Plan (IMP)				
4. AUTHORITY (Data Acquisition Document No.) DI-MGMT-80004A See Block 16			5. CONTRACT REFERENCE SOW 3.1		6. REQUIRING OFFICE MDA/AB				
7. DD 250 REQ N/A		9. DIST STATEMENT REQUIRED D-See Block 16		10. FREQUENCY See Block 16		12. DATE OF FIRST SUBMISSION See Block 16			
8. APP CODE A				11. AS OF DATE		13. DATE OF SUBSEQUENT SUBMISSION See Block 16			
16. REMARKS Block 4: Provide event-based plan consisting of a hierarchy of contractor program events supporting Attachment J-4. Include specific accomplishments for each event and specific entry/exit criteria to be satisfied for completion of each accomplishment supporting Attachments J-7 and J-8. Address all applicable IPTs, WBS Elements, functional disciplines and GFE/GFI requirements. Following content is required (contractor format is acceptable): <ul style="list-style-type: none"> • Section 1 – Introduction <ul style="list-style-type: none"> ◦ Short description of the program ◦ Assumptions and Ground Rules ◦ Event Definition and "Action Term" Dictionary ◦ IPT Organization and Responsibilities • Section 2 – IMP (Events, Accomplishments, Criteria) <ul style="list-style-type: none"> ◦ Describe Numbering System ◦ List Events, Accomplishments and Criteria • Section 3 – IMP Narratives <ul style="list-style-type: none"> ◦ Contractor's system engineering process ◦ Contractor's risk management process • Section 4 – Glossary Reference: DoD Integrated Master Plan and Integrated Master Schedule Preparation and User Guide. Block 8: Approval for content and contractual compliance by MDA/AB. Approval will be provided within 30 days of submittal. Block 9: Distribution Statement D: Distribution authorized to the Department of Defense and United States DoD contractors only (critical technology) (30 Jun 08). Other requests shall be referred to MDA/AB Aegis BMD. Blocks 10/12/13: 30 days after submission of the initial IMS, CDRL A012. Subsequent submittals as required to support Government or contractor responsible changes.						14. DISTRIBUTION			
						a. ADDRESSEE		b. COPIES	
								DRAFT	FINAL
								Reg	Repr
						15. Total			
G. PREPARED BY			H. DATE		I. APPROVED BY (b)(6)		J. DATE 9/30/09		

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A. CONTRACT LINE ITEM NO. 0001/0004/0011/0017/0020/0022/ 0023		B. EXHIBIT A		C. CATEGORY: TDP TM OTHER		
D. SYSTEM ITEM Aegis BMD			E. CONTRACT/PR NO. HQ0276-10-C-0001		F. CONTRACTOR Lockheed Martin MS2	
1. DATA ITEM NO. A041	2. TITLE OF DATA ITEM MAP Exceptions Matrix				3. SUBTITLE	
4. AUTHORITY (Data Acquisition Document No.) See Block 16			5. CONTRACT REFERENCE SOW 3.24		6. REQUIRING OFFICE MDA/AB	
7. DD 250 REQ N/A	9. DIST STATEMENT REQUIRED D-See Block 16	10. FREQUENCY Annually	12. DATE OF FIRST SUBMISSION Annually	14. DISTRIBUTION		
8. APP CODE N/A		11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION Annually	a. ADDRESSEE		b. COPIES
				DRAFT		FINAL
				Reg		Repr o
16. REMARKS Block 4: Contractor format is acceptable. Block 9: Distribution Statement D: Distribution authorized to the Department of Defense and United States DoD contractors only (critical technology) (30 Jun 08). Other requests shall be referred to MDA/AB Aegis BMD. Block 14: Data transmittals should be marked with the applicable Technical Instruction number(s). Format of Data Delivery: Electronic delivery shall be satisfied through on-line availability. Electronic delivery of classified data items will be accomplished through delivery of CD-ROM to satisfy specific documentation requirements. Digital delivery shall be made in Portable Document Format (PDF) compatible with ADOBE Acrobat application software, or other mutually agreeable commercial off-the-shelf software. Letter of transmittal shall be via e-mail with notification of file attributes and directory information for retrieval.				See Attached		
				Distribution List		
G. PREPARED BY			H. DATE		I. APPROVED BY (b)(6)	
					J. DATE 9/30/09	

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

CONTRACT DATA REQUIREMENTS LIST (1 Data Item)						Form Approved OMB No. 0704-0188					
Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.											
A. CONTRACT LINE ITEM NO. 0004/0011		B. EXHIBIT A		C. CATEGORY: TDP TM OTHER							
D. SYSTEM/ITEM Aegis BMD			E. CONTRACT/PR NO. HQ0276-10-C-0001		F. CONTRACTOR Lockheed Martin MS2						
1. DATA ITEM NO. A042		2. TITLE OF DATA ITEM Internal Contractor Technical Data Plan			3. SUBTITLE Technology Management Plan						
4. AUTHORITY (Data Acquisition Document No.) DI-SESS-81309A			5. CONTRACT REFERENCE SOW 3.24		6. REQUIRING OFFICE MDA/AB						
7. DD 250 REQ LT		9. DIST STATEMENT REQUIRED D-See Block 16		10. FREQUENCY See Block 16		12. DATE OF FIRST SUBMISSION See Block 16					
8. APP CODE		11. AS OF DATE		13. DATE OF SUBSEQUENT SUBMISSION See Block 16		14. DISTRIBUTION					
16. REMARKS Block 9: Distribution Statement D: Distribution authorized to the Department of Defense and United States DoD contractors only (critical technology) (30 Jun 08). Other requests shall be referred to MDA/AB Aegis BMD. Blocks 10/12/13: Preliminary plan due 90 days prior to Test Program Review (TPR) milestone. Final due 60 days after TPR. Blocks 14/15: Data transmittal should be marked with the applicable Technical Instruction number(s).						a. ADDRESSEE		b. COPIES			
								DRAFT		FINAL	
								Reg		Repr o	
						15. Total					
G. PREPARED BY			H. DATE		I. APPROVED BY (b)(6)		J. DATE 9/30/09				

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

CONTRACT DATA REQUIREMENTS LIST (1 Data Item)					Form Approved OMB No. 0704-0188		
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A. CONTRACT LINE ITEM NO. <div style="text-align: center; font-weight: bold;">0011</div>		B. EXHIBIT <div style="text-align: center; font-weight: bold;">A</div>		C. CATEGORY: <div style="display: flex; justify-content: space-around;"> TDP TM OTHER </div>			
D. SYSTEM/ITEM <div style="font-weight: bold;">Aegis BMD</div>			E. CONTRACT/PR NO. <div style="font-weight: bold;">HQ0276-10-C-0001</div>		F. CONTRACTOR <div style="font-weight: bold;">Lockheed Martin MS2</div>		
1. DATA ITEM NO. <div style="text-align: center; font-weight: bold;">A043</div>		2. TITLE OF DATA ITEM <div style="font-weight: bold;">Product Drawings/Models and Associated Lists</div>			3. SUBTITLE		
4. AUTHORITY (Data Acquisition Document No.) <div style="font-weight: bold;">DI-SESS-81000C – See Block 16</div>			5. CONTRACT REFERENCE <div style="font-weight: bold;">SOW 3.3 and 3.4</div>		6. REQUIRING OFFICE <div style="text-align: center; font-weight: bold;">MDA/AB</div>		
7. DD 250 REQ <div style="text-align: center; font-weight: bold;">LT</div>		9. DIST STATEMENT REQUIRED <div style="text-align: center; font-weight: bold;">F</div>		10. FREQUENCY <div style="text-align: center; font-weight: bold;">See Block 16</div>		12. DATE OF FIRST SUBMISSION <div style="text-align: center; font-weight: bold;">See Block 16</div>	
8. APP CODE <div style="text-align: center; font-weight: bold;">A</div>		11. AS OF DATE <div style="text-align: center; font-weight: bold;">N/A</div>		13. DATE OF SUBSEQUENT SUBMISSION <div style="text-align: center; font-weight: bold;">See Block 16</div>		14. DISTRIBUTION	
16. REMARKS Block 4: See Enclosure 6 of the CDRL data package for the TDP Option Selection Worksheet. Block 7: Letter of transmittal shall be via e-mail with notification of file attributes and directory information for retrieval. Block 8: Approval will be for technical content and contractual compliance. The Government will have 45 days after receipt to review and comment. Block 10: Frequency: As Required. Block 12: Preliminary drawings for in-process review will be 45 days prior to Production Readiness Review (PRR). Final data to be delivered 90 days after review. Block 13: Subsequent delivery of new and updated product Drawings/Models and Associated Lists will be not later than 60 days after the <u>Multimission Exercise (MMX)</u> . Anticipated date of the <u>MMX</u> is <u>July 2011</u> with delivery of this <u>CDRL September 2011</u> . Drawings for preliminary review will be due 45 days prior to CDRL submittal.				a. ADDRESSEE		b. COPIES	
				<div style="display: flex; justify-content: space-between;"> <div style="width: 60%;"> DRAFT <div style="text-align: center; font-weight: bold;">See Attached</div> </div> <div style="width: 40%;"> FINAL <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> Reg <div style="text-align: center; font-weight: bold;">Distribution List</div> </div> <div style="width: 55%;"> Repro </div> </div> </div> </div>			
15. Total							

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

CONTRACT DATA REQUIREMENTS LIST (1 Data Item)					Form Approved OMB No. 0704-0188						
<small>Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.</small>											
A. CONTRACT LINE ITEM NO.		B. EXHIBIT	C. CATEGORY:								
0011		A	<div style="display: flex; justify-content: space-around;"> TDP TM OTHER </div>								
D. SYSTEM/ITEM			E. CONTRACT/PR NO.		F. CONTRACTOR						
Aegis BMD			HQ0276-10-C-0001		Lockheed Martin MS2						
1. DATA ITEM NO.	2. TITLE OF DATA ITEM				3. SUBTITLE						
A045	Drawing Number Assignment Report										
4. AUTHORITY (Data Acquisition Document No.)			5. CONTRACT REFERENCE		6. REQUIRING OFFICE						
DI-SESS-81011C – See Block 16			SOW 3.3 and 3.4		MDA/AB						
7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION		14. DISTRIBUTION						
LT	F	Qrtly	See Block 16		<div style="display: flex; justify-content: space-between;"> <div style="width: 60%;">a. ADDRESSEE</div> <div style="width: 35%;">b. COPIES</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <div style="width: 60%;">DRAFT</div> <div style="width: 35%;">FINAL</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <div style="width: 60%;"></div> <div style="width: 35%; text-align: center;"> <div style="display: flex; justify-content: space-around; font-size: small;"> Reg Repr </div> <div style="display: flex; justify-content: space-around; font-size: x-small;"> o </div> </div> </div>						
8. APP CODE		11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION								
A		N/A	See Block 16								
16. REMARKS Block 4: All part numbers must be NAVSEA Part Numbers down to the LRU level for entering into NAVSEA Repository. Vendor part numbers permissible below the LRU level. Block 7: Letter of transmittal shall be via e-mail with notification of file attributes and directory information for retrieval. Block 8: Approval will be for technical content and contractual compliance. The Government will have 45 days after receipt to review and comment. Blocks 12/13: Preliminary drawings for in-process review will be 45 days prior to Production Readiness Review (PRR). Final data to be delivered 90 days after review.					See Attached						
					Distribution List						
										15. Total	
					G. PREPARED BY			H. DATE		J. DATE	
					9/30/09						

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

CONTRACT DATA REQUIREMENTS LIST (1 Data Item)					Form Approved OMB No. 0704-0188	
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A. CONTRACT LINE ITEM NO.		B. EXHIBIT	C. CATEGORY:			
0011		A	<div style="display: flex; justify-content: space-around;"> TDP TM OTHER </div>			
D. SYSTEM/ITEM			E. CONTRACT/PR NO.		F. CONTRACTOR	
Aegis BMD			HQ0276-10-C-0001		Lockheed Martin MS2	
1. DATA ITEM NO.	2. TITLE OF DATA ITEM				3. SUBTITLE	
A049	Source Control Drawing Approval Request					
4. AUTHORITY (Data Acquisition Document No.)			5. CONTRACT REFERENCE		6. REQUIRING OFFICE	
DI-SESS-81010C – See Block 16			SOW 3.3 and 3.4		MDA/AB	
7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION	14. DISTRIBUTION		
LT	F	See Block 16	See Block 16	<div style="display: flex;"> <div style="flex: 1;">a. ADDRESSEE</div> <div style="flex: 1;">b. COPIES</div> </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 60%;">DRAFT</div> <div style="width: 40%;">FINAL</div> </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 60%;"></div> <div style="width: 40%; text-align: center;"> <div>Reg</div> <div>Repr</div> <div>o</div> </div> </div>		
8. APP CODE		11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION			
A		N/A	See Block 16			
16. REMARKS Block 7: Letter of transmittal shall be via e-mail with notification of file attributes and directory information for retrieval. Block 8: Approval will be for technical content and contractual compliance. The Government will have 45 days after receipt to review and comment. Block 10: Frequency: As Required. Block 12: Preliminary drawings for in-process review will be 45 days prior to Production Readiness Review (PRR). Final data to be delivered 90 days after review. Block 13: Subsequent delivery of new and updated product Drawings/Models and Associated Lists will be not later than 60 days after the Multimission Exercise (MMX). Anticipated date of the MMX is July 2011 with delivery of this CDRL September 2011. Drawings for preliminary review will be due 45 days prior to CDRL submittal.				See Attached		
				Distribution List		
				15. Total		
G. PREPARED BY			H. DATE		J. DATE	
					9/30/09	

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18. ESTIMATED TOTAL PRICE

CONTRACT DATA REQUIREMENTS LIST (1 Data Item)					Form Approved OMB No. 0704-0188	
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A. CONTRACT LINE ITEM NO.		B. EXHIBIT	C. CATEGORY:			
		A	<div style="display: flex; justify-content: space-around;"> TDP TM OTHER </div>			
D. SYSTEM/ITEM		E. CONTRACT/PR NO.		F. CONTRACTOR		
Aegis BMD		HQ0276-10-C-0001		Lockheed Martin MS2		
1. DATA ITEM NO.	2. TITLE OF DATA ITEM			3. SUBTITLE		
A050	RESERVED					
4. AUTHORITY (Data Acquisition Document No.)		5. CONTRACT REFERENCE		6. REQUIRING OFFICE		
7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION	14. DISTRIBUTION		
8. APP CODE		11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION	a. ADDRESSEE		b. COPIES <div style="display: flex; justify-content: space-between;"> <div style="border: 1px solid black; padding: 2px;">DRAFT</div> <div style="border: 1px solid black; padding: 2px;">FINAL</div> </div> <div style="display: flex; justify-content: space-between; font-size: small;"> <div style="border: 1px solid black; padding: 2px;">Reg</div> <div style="border: 1px solid black; padding: 2px;">Repr o</div> </div>
16. REMARKS						
G. PREPARED BY		H. DATE	I. APPROVED BY		J. DATE	
			(b)(6)		9/30/09	

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

CONTRACT DATA REQUIREMENTS LIST (1 Data Item)						Form Approved OMB No. 0704-0188													
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A. CONTRACT LINE ITEM NO. 0023		B. EXHIBIT A		C. CATEGORY: TDP TM OTHER															
D. SYSTEM/ITEM Aegis BMD			E. CONTRACT/PR NO. HQ0276-10-C-0001		F. CONTRACTOR Lockheed Martin MS2														
1. DATA ITEM NO. A052		2. TITLE OF DATA ITEM Internal Contractor Technical Data Report			3. SUBTITLE M&S Verification and Validation Plans														
4. AUTHORITY (Data Acquisition Document No.) See Block 16			5. CONTRACT REFERENCE SOW 3.21		6. REQUIRING OFFICE MDA/AB														
7. DD 250 REQ LT		9. DIST STATEMENT REQUIRED D-See Block 16		10. FREQUENCY See Block 16		12. DATE OF FIRST SUBMISSION See Block 16													
8. APP CODE See Blk 16		11. AS OF DATE		13. DATE OF SUBSEQUENT SUBMISSION See Block 16		14. DISTRIBUTION <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2" style="text-align: left;">a. ADDRESSEE</th> <th colspan="2" style="text-align: center;">b. COPIES</th> </tr> <tr> <th style="width: 50%;"></th> <th style="width: 50%;"></th> <th style="width: 50%; text-align: center;">DRAFT</th> <th style="width: 50%; text-align: center;">FINAL</th> </tr> <tr> <td></td> <td></td> <td style="text-align: center;">Reg</td> <td style="text-align: center;">Repr</td> </tr> </table>		a. ADDRESSEE		b. COPIES				DRAFT	FINAL			Reg	Repr
a. ADDRESSEE		b. COPIES																	
		DRAFT	FINAL																
		Reg	Repr																
16. REMARKS Block 4: Contractor format acceptable upon initial delivery. Approval for content and contractual compliance by MDA/AB. Approval will be provided within 30 days of submittal. The plans shall include, at a minimum: a. Model overview/description b. Intended uses of tool c. Event/activity list/schedule d. Past VV&A efforts/history e. Scope of V&V effort f. V&V Plan/Metrics/Acceptability Criteria Block 8: The data item shall be reviewed for technical and contractual requirements by the MDA/AB. Block 9: Distribution Statement D: Distribution authorized to the Department of Defense and United States DoD contractors only (critical technology) (30 Jun 08). Other requests shall be referred to MDA/AB Aegis BMD. Blocks 10/12/13: Initial Plans due 180 days after Contract award. Updates provided as required to support Aegis BMD events/activities, as required IAW the Technical Instruction. Blocks 14/15: Data transmittals should be marked with the applicable Technical Instruction number(s). Form of Data Delivery: Electronic delivery shall be satisfied through on-line availability. Electronic delivery of classified data items will be accomplished through delivery of CD-ROM to satisfy specific documentation requirements. Digital delivery shall be made in Portable Document Format (PDF) compatible with ADOBE Acrobat application software, or other mutually agreeable commercial off-the-shelf software. Letter of transmittal shall be via e-mail with notification of file attributes and directory information for retrieval. General Remark: This CDRL is applicable to all variants of MEDUSA, ACSIS, RSG, and ETEDDS M&S tools delineated in, but not limited to, Contractor V&V efforts and plans being performed/developed under CLINs: 0001, 0004, 0020, 0022, and 0023.						See Attached													
						Distribution List													
												15. Total							
G. PREPARED BY			H. DATE		I. APPROVED BY (b)(6)		J. DATE 9/20/09												

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

ADDRESSEE LIST / DISTRIBUTION PROFILE
(ENCLOSURE 1 TO EXHIBIT A CDRLS)

ADDRESSEE	EMAIL	ADDRESS
Aegis BMD Program Office (MDA - AB) AB - B21 AB - B3 AB - B31 AB - B33 AB - B34M AB - B34C AB - B6 AB - E14	(b)(6)	Aegis BMD Program Office Missile Defense Agency Aegis Ballistic Missile Defense 17211 Avenue D, Suite 160 Dahlgren, VA 22448-5184
Missile Defense Agency Contracting Office (MDA - DACG)		Missile Defense Agency ATTN: MDA/DACG 17211 Avenue D, Suite 160 Dahlgren, VA 22448-5184 (b)(6)
Naval Warfare Center, Port Hueneme Division		Naval Surface Warfare Center Port Hueneme Division 4363 Missile Way Port Hueneme, CA 93043
Naval Warfare Center, Dahlgren Division NSWC/DD W31		Commander Dahlgren Division Naval Surface Warfare Center 17320 Dahlgren Road Dahlgren, VA 21448
Center for Surface Combat Systems (CSCS)		Commanding Officer Aegis Training & Readiness Center 5395 First Street Dahlgren, VA 21448
Aegis Technical Representative		Aegis Technical Representative Attn: Code / Name P.O. Box 1015 199 Borton Landing Road Moorestown, NJ 08057
Common Cost Model (CCM) Working Group		Aegis BMD Program Office Missile Defense Agency Aegis Ballistic Missile Defense 17211 Avenue D, Suite 160 Dahlgren, VA 22448-5184
Defense Contract Management Agency (DCMA -NSSO)		DCMA-NSSO Attn: Code/Name 3000 Midlantic Drive, Suite 201 Mt. Laurel, NJ 08054

**ENCLOSURE 2 TO EXHIBIT A
DATA DISTRIBUTION LIST**

Each addressee shall receive a letter of transmittal notification of data product delivery/posting.
Draft/Final Column indicates addressee responsible for ensuring the adequacy of the data

<u>ELIN Number</u>	<u>Title of Data Item</u>	<u>Addressees</u>	<u>Draft/Final</u>
A001	Cost Performance Report	(b)(6)	(b)(6)
A002	Conference Agenda		(b)(6)
A003	Conference Minutes		(b)(6)
A004	Data Accession List		(b)(6)

A005

Contractor's Progress,
Status and Management
Report

(b)(6)

(b)(6)

A006

Archiving of CDRL's
Status Report

(b)(6)

A007

Contract Funds Status Rpt

(b)(6)

A008

Specification Change
Notice

(b)(6)

(b)(6)

A009

WS Magnetic Media

(b)(6)

A010

Design Review Data
Package

(b)(6)

A011

Combat System Spec
Type A
Prime Item Development
Specification

(b)(6)

A012

Integrated Master Schedule
(IMS)

(b)(6)

A013

Critical Item Development
Specification

(b)(6)

(b)(6)

A014

Computer Program
Requirements Spec

(b)(6)

A015

Computer Program Design
Document

(b)(6)

A016

Computer Program
Development Plan

(b)(6)

(b)(6)

A large vertical rectangular area is completely redacted with a solid gray fill, spanning most of the page's height.

A017

System Safety Program
Plan

(b)(6)

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A018

Safety Assessment Report

(b)(6)

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A019

Test Plan

(b)(6)

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A020

Final Test Report

(b)(6)

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A021 Reliability, Allocations,
Assessments and Analysis
Report

(b)(6)

(b)(6)

A022 Reliability Program Plan

(b)(6)

A023 Design Review Plan

(b)(6)

A024 Interface Design Spec
Program Performance Spec
Program Design Document
Configuration Item
Development Spec

(b)(6)

A025 Prime Item Development
Specification – ACSIS

(b)(6)

	Program Performance Specification – ACSIS Program Design Document - ACSIS	(b)(6)	
A026	Quick Reference Guide/ Operating Principles and Procedures	(b)(6)	
A027	Training Materials	(b)(6)	
A028	Inventory Item Spec	(b)(6)	
A029	Drawings, Engineering and Associated Lists	(b)(6)	
A030	Aegis Control Documentation (ACD)	(b)(6)	

	Computer Program Description Document Data Extraction and Reduction Data Dictionary ACD User Manuals	(b)(6)	
A031	Critical Experiment Test Procedure	(b)(6)	
A032	Critical Experiment Test Final Test Report	(b)(6)	
A033	Technical Manuals (Draft)	(b)(6)	
A034	Technical Manuals Status Report	(b)(6)	
A035	Technical Report – Studies/Services	(b)(6)	

A036

Computer Program

(b)(6)

(b)(6)

A037

Contractor Cost Data
Reporting (CCDR)

(b)(6)

A038

Software Resources Data
Report

(b)(6)

A039

Software Resources Data
Report - Final

(b)(6)

A040

Integrated Management

(b)(6)

	Plan (IMP)	(b)(6)	
A041	MAP Exceptions Matrix	(b)(6)	
A042	Technology Management Plan	(b)(6)	
A043	Product Drawings/Models	(b)(6)	

And Associated Lists

(b)(6)

A044

RESERVED

A045

Drawing Number
Assignment Report

(b)(6)

(b)(6)

A046

Proposed Critical
Manufacturing Process
Description (PCMPD)

(b)(6)

A047

Special Inspection
Equipment (SIE)
Drawings/Models and
Associated Lists

(b)(6)

A048

Special Tooling (ST)
Drawing/Models And

(b)(6)

	Associated Lists	
A049	Source Control Drawing Approval Request	(b)(6)
A050	RESERVED	
A051	Program-Unique Specification Documents	(b)(6)
A052	M&S Verification and Validation Plans	(b)(6)
		(b)(6)

[illegible]

	Column B	WBS Element	Populate with WBS
	Column C	New Code	Populate with most likely case scenario of estimated new SLOC
	Column D	Modified Code	Populate with most likely case scenario of estimated modified SLOC
	Column E	Reused Code	Populate with most likely case scenario of estimated reused SLOC
	Column F	NDI code	Populate with most likely case scenario of estimated NDI SLOC
	Column H	New Design	Populate with estimate of new design factor for new SLOC
	Column I	New Code	Populate with estimate of new code factor for new SLOC
	Column J	New Test	Populate with estimate of new unit test and integration factor for new SLOC
	Column K	New Design	Populate with estimate of new design factor for new SLOC
	Column L	New Code	Populate with estimate of new code factor for new SLOC
	Column M	New Test	Populate with estimate of new unit test and integration factor for new SLOC
C	Column N	New Design	Populate with estimate of new design factor for new SLOC
E	Column O	New Code	Populate with estimate of new code factor for new SLOC
A	Column P	New Test	Populate with estimate of new unit test and integration factor for new SLOC
F	Column Q	New Design	Populate with estimate of new design factor for new SLOC
	Column R	New Code	Populate with estimate of new code factor for new SLOC
	Column S	New Test	Populate with estimate of new unit test and integration factor for new SLOC
	Column L	Application Type	Use drop down menu to select application criticality for WBS element
	Column M	Contractor	Populate with formal name of developer performing work scope
	Column N	Site	Populate with physical location of developer performing work scope
	Column O	Man Hours Per Year	Populate with man hours per year standard for developer site; should reflect standard work year less hours for leave, holidays, site shutdown, etc.
	Column P	CMMI Level	Use drop down menu to select CMMI level appropriate to program/site for that developer
	Column Q	Programming Language	Populate with programming language for WBS element (insert additional rows as needed)
	Column R	Productivity Rate	Populate with ESLOC productivity rate peculiar to that element/language
	Column S	Productivity Rate Basis	Populate with justification for selection of ESLOC productivity rate
	Column T	Productivity Rate Definition	Populate with work scope captured by productivity rate (DCTI, CM, QA, etc.)

Delivered Source Lines of Code (DSLOC) = total logical SLOC as defined by CMU/SEI-92-TR-020;
needs to capture the entire source code

New Code = code newly developed

Modified Code = code reused from external sources or previous builds/predecessor products that requires modification

Reused Code = code reused from external sources or previous builds/predecessor products that does not require modification

Non-Development Item (NDI) = software products such as Commercial Off-the-Shelf (COTS) or Government Off-the-Shelf (GOTS)

Equivalent Source Lines of Code (ESLOC) = total DSLOC weighted by code type

Effort Adjustment Factor (EAF) = used to adjust modified and unmodified reused code to its new code equivalent

Application Criticality

Flight Critical = component failure potentially leads to damage to or loss of asset

Mission Critical = component failure potentially leads to failure to accomplish mission objectives

Non-Critical = component failure has minimal impact on asset or mission

Design = program preliminary design through program detailed design

Test = Unit test through element computer program integration and test

CP size actuals represent counts of Logical Delivered Source Lines of Code (DSLOC) as defined by CMU/SEI-92-TR-020
CP size estimates represent a 'most likely' case scenario
CP size estimates do not include SLOC growth

TDP OPTION SELECTION WORKSHEET PRODUCT DRAWINGS AND ASSOCIATED LISTS							
A. CONTRACT NO. HQ0276-10-C-0001		B. EXHIBIT/ATTACHMENT NO. A		C. CLIN 0011		D. CDRL DATA ITEM NO. A043	
1. DELIVERABLE PRODUCT (X and complete as applicable.)							
a. ORIGINALS (Specify current design activity's full size reproducible drawing or digital data file(s) on which is kept the revision record recognized as official) (Identify specification, type, grade and class, etc.)							
b. REPRODUCTIONS (Identify specifications, type, grade and class, etc., and quantity of each)							
X c. DIGITAL DATA (Identify specification, exchange media, etc. and specify original (master) or copy) See Enclosure 6a							
2. CAGE CODE AND DOCUMENT NUMBERS (X ONE)							
a. CONTRACTOR							
X b. GOVERNMENT Complete (1) and (2) or (3)							
(1) Use CAGE Code 53711		(2) Use Document Numbers			(3) To Be Assigned By:		
3. DRAWING FORMATS AND DRAWING FORMS (X one and complete as applicable)							
a. CONTRACTOR FORMATS. Forms to be supplied by contractor.							
X b. GOVERNMENT FORMATS. Forms to be supplied by contractor. See Enclosure 6a Samples supplied by (Specify)							
c. GOVERNMENT FORMATS. Forms to be supplied as Government Furnished Material by (Specify)							
4. TYPES OF DRAWINGS SELECTION (X one)							
a. CONTRACTOR SELECTS				X	b. GOVERNMENT SELECTS (Specify in Item 8) See Enclosure 6a		
5. ASSOCIATED LISTS (X and complete as applicable)							
X	a. PARTS LISTS (X one)		(1) Integral	X	(2) Separate		
X	b. DATA LISTS (X one)		(1) Not Required	X	(2) Required (Specify levels of assembly) All Levels		
X	c. INDEX LISTS (X one)		(1) Not Required	X	(2) Required (Specify levels of assembly) All Levels		
X	d. WIRING LISTS (X one) See Encl. 6a		(1) Not Required	X	(2) Required (Specify levels of assembly) All Levels		
X	e. INDENTURED DATA LISTS (X one)		(1) Not Required	X	(2) Required (Specify levels of assembly) All Levels		
X	f. APPLICATION LISTS (X one)		(1) Not Required	X	(2) Required (Specify levels of assembly) All Levels		
6. DETAILS (X one)							
X a. MULTIDETAIL DRAWINGS PERMITTED				b. MONODETAIL DRAWINGS MANDATORY			
7. APPLICABILITY OF STANDARDS. The following Standards apply: (X as applicable)							
a. ASME Y14.100, ENGINEERING DRAWING PRACTICES (COMMERCIAL)		B.	b. ASME Y14.100, WITH APPENDICES B, C, D, E X	X	c. ASME Y14.34 ASSOCIATED LISTS		d. EXISTING STANDARDS DO NOT APPLY
		C.					
		D.					
		E.					
8. OTHER TAILORING (Attach additional sheets as necessary) Please Note: Diagrams, including Electronic Schematic Diagrams and Mechanical and electrical connections, including Wire Connection Lists.							

A043 - Product Drawings and Associated lists (DI-SESS-81000C)

1.c. Digital Data: add "All drawings shall be delivered in a 2D format that is editable, non-proprietary, unlocked and supported by standard commercial programs. The specific format can be the native (i.e design tool) format or a computer interpretable "neutral" format such as ISO10303 STEP (Standard for the Exchange of Product Model Data)."

3.b. Drawing Formats: add "Contractor shall deliver 2D digital drawings on NAVSEA format supplied by contractor."

4.b. Types of Drawings: Change X to b. Government Selects: Level three (III) of MIL-STD-100 (obsolete) or as product drawings and associated lists as described in Data Item Description DI-SESS-81000C Product Drawings/Models and Associated Lists paragraph 4.a thru m ,o thru q and paragraph 5.a thru c. Subparagraph 4.n and 5.d are applicable to Specification/Source Control Drawings only

5.d. WIRING LISTS: Delivery must be in acceptable format which is not locked.

TDP OPTION SELECTION WORKSHEET SPECIFICATIONS			
A. CONTRACT NO. HQ0276-10-C-0001	B. EXHIBIT/ATTACHMENT NO. A	C. CLIN 0011	D. CDRL DATA ITEM NO. A046
1. ITEM, PROCESS OR MATERIAL			
X	2. COMMERCIAL ITEM DESCRIPTIONS As Required		
3. DEFENSE SPECIFICATIONS. (X one and complete as applicable)			
a. MIL-PRF	b. MIL-DTL	c. PROGRAM UNIQUE	
(1) Coordinated	(1) Coordinated	(1) PERFORMANCE	(2) DETAIL
(2) Limited Coordinated	(2) Limited Coordinated	X a. System	X a. System
(3) Interim	(3) Interim	X b. Item	X b. Item
		X c. Software	X c. Software
		X d. Material	X d. Material
		X e. Process	X e. Process
4. ASSOCIATED DOCUMENTS PER MIL-STD-961. The Following documents associated with defense specifications are required under the CDRL data item number referenced herein. (X and complete as applicable)			
a. DOCUMENT	b. CDRL DATA ITEM NO.	a. DOCUMENT	b. CDRL DATA ITEM NO.
(1) Supplements		X (5) Cancellation Notice	
(2) Amendments		X (6) Reinstatement Notice	
(3) Validation Notice		X (7) Military Specification Sheets	
(4) Inactive for New Design Notice			
5. DELIVERABLE PRODUCT (X and complete as applicable)			
a. ORIGINALS			
	(1) Camera Ready Master		
X	(2) Digital Data (Detail in item 6, including requirement for CD/DVD with Portable Document Format or Printer Description Language, and Word Processing Program. See block 6)		
6. OTHER TAILORING (Attach additional sheets as necessary)			
<p>5.a.(2) Digital Data: Add "Digital Data will be delivered in a 2D format that is editable, non-proprietary, unlocked and supported by standard commercial programs. The specific format can be the native (i.e design tool) format or a computer interpretable "neutral" format such as ISO10303 STEP (Standard for the Exchange of Product Model Data).</p> <p>For the purpose of this CDRL, "Critical Manufacturing Processes" are defined as unique processes which are required to build, inspect or test the product which are not available to a competent manufacturer.</p> <p>For the purpose of this CDRL, if a supplier asserts proprietary rights to a Critical Manufacturing Process utilized in the production of a component/assembly required to build, inspect or test the product, identification of a valid source of supply for the affected component/assembly via drawing is required.</p> <p>For the purpose of this CDRL, "Special Tooling" and "Special Inspection Equipment" is defined as unique tooling or equipment which is required to build, inspect or test the product and which is not available to a competent manufacturer.</p> <p>For the purpose of this CDRL, software is deliverable:</p> <ol style="list-style-type: none"> 1. If it is required to build, inspect or test the product and is not available to a competent manufacturer. 2. If it is required to build, inspect or test the product and cannot be readily created from supplied requirements documents by a competent manufacturer. 3. If it is required for the operation of "Special Tooling" or "Special Inspection Equipment". 			

TDP OPTION SELECTION WORKSHEET							
SPECIAL INSPECTION EQUIPMENT DRAWINGS AND ASSOCIATED LISTS							
A. CONTRACT NO. HQ0276-10-C-0001		B. EXHIBIT/ATTACHMENT NO. A		C. CLIN 0011		D. CDRL DATA ITEM NO. A047	
1. DELIVERABLE PRODUCT (and complete X as applicable.)							
a. ORIGINALS (Specify current design activity's full size reproducible drawing or digital data file(s) on which is kept the revision record recognized as official) (Identify specification, type, grade and class, etc.)							
b. REPRODUCTIONS (Identify specifications, type, grade and class, etc., and quantity of each)							
X c. DIGITAL DATA (Identify specification, exchange media, etc. and specify original (master) or copy) See Enclosure 9a							
2. CAGE CODE AND DOCUMENT NUMBERS (X ONE)							
a. CONTRACTOR							
X b. GOVERNMENT (Complete (1) and (2) or (3))							
(1) Use CAGE Code		(2) Use Document Numbers		(3) To Be Assigned By:			
53711							
3. DRAWING FORMATS AND DRAWING FORMS (X one and complete as applicable)							
a. CONTRACTOR FORMATS. Forms to be supplied by contractor.							
X b. GOVERNMENT FORMATS. Forms to be supplied by contractor. See Enclosure 6a Samples supplied by (Specify)							
c. GOVERNMENT FORMATS. Forms to be supplied as Government Fumished Material by (Specify)							
4. TYPES OF DRAWINGS SELECTION (X one)							
a. CONTRACTOR SELECTS				X	b. GOVERNMENT SELECTS (Specify in Item 7) See Enclosure 6a		
5. ASSOCIATED LISTS (X and complete as applicable)							
X	a. PARTS LISTS (X one)		(1) Integral	X	(2) Separate		(3) Contractor's Option
X	b. DATA LISTS (X one)		(1) Not Required	X	(2) Required (Specify levels of assembly)	ALL LEVELS	
X	c. INDEX LISTS (X one)		(1) Not Required	X	(2) Required (Specify levels of assembly)	ALL LEVELS	
X	d. WIRING LISTS (X one) See Enclosure 9a		(1) Not Required	X	(2) Required (Specify levels of assembly)	ALL LEVELS	
X	e. INDENTURED DATA LISTS (X one)		(1) Not Required	X	(2) Required (Specify levels of assembly)	ALL LEVELS	
X	f. APPLICATION LISTS (X one)		(1) Not Required	X	(2) Required (Specify levels of assembly)	ALL LEVELS	
6. APPLICABILITY OF STANDARDS. The following Standards apply: (X as applicable)							
a. ASME Y14.100, ENGINEERING DRAWING PRACTICES (COMMERCIAL)		B.	b. ASME Y14.100, WITH APPENDICES B, C, D, E	X	c. ASME Y14.34 ASSOCIATED LISTS	d. EXISTING STANDARDS DO NOT APPLY	
		C.					
		D.	X				
		E.					
7. OTHER TAILORING (Attach additional sheets as necessary)							
Please Note: Diagrams, including Electronic Schematic Diagrams and Mechanical and electrical connections, including Wire Connection Lists. See Enclosure 9a.							

**A047 - Special Inspection Equipment (SIE) Drawings/Models and Associated Lists
(DI-SESS-81004C)**

1.c. Digital Data: add "All drawings shall be delivered in a 2D format that is editable, non-proprietary, unlocked and supported by standard commercial programs. The specific format can be the native (i.e design tool) format or a computer interpretable "neutral" format such as ISO10303 STEP (Standard for the Exchange of Product Model Data)."

3.b. Drawing Formats: add "Contractor shall deliver 2D digital drawings on NAVSEA format supplied by contractor."

4.b. Types of Drawings: Change X to b. Government Selects: Level three (III) of MIL-STD-100 (obsolete) or as product drawings and associated lists as described in Data Item Description DI-SESS-81000C Product Drawings/Models and Associated Lists paragraph 4.a thru m, o thru q and paragraph 5.a thru c. Subparagraph 4.n and 5.d are applicable to Specification/Source Control Drawings only

5.d. WIRING LISTS: Delivery must be in acceptable format which is not locked.

7. Other Tailoring: Digital Data will be delivered in a 2D format that is editable, non-proprietary, unlocked and supported by standard commercial programs. The specific format can be the native (i.e design tool) format or a computer interpretable "neutral" format such as ISO10303 STEP (Standard for the Exchange of Product Model Data).

For the purpose of this CDRL, "Critical Manufacturing Processes" are defined as unique processes which are required to build, inspect or test the product which are not available to a competent manufacturer.

For the purpose of this CDRL, if a supplier asserts proprietary rights to a Critical Manufacturing Process utilized in the production of a component/assembly required to build, inspect or test the product, identification of a valid source of supply for the affected component/assembly via drawing is required.

For the purpose of this CDRL, "Special Tooling" and "Special Inspection Equipment" is defined as unique tooling or equipment which is required to build, inspect or test the product and which is not available to a competent manufacturer.

For the purpose of this CDRL, software is deliverable:

1. If it is required to build, inspect or test the product and is not available to a competent manufacturer.
2. If it is required to build, inspect or test the product and cannot be readily created from supplied requirements documents by a competent manufacturer.
3. If it is required for the operation of "Special Tooling" or "Special Inspection Equipment"

TDP OPTION SELECTION WORKSHEET SPECIAL TOOLING DRAWINGS AND ASSOCIATED LISTS							
A. CONTRACT NO. HQ0276-10-C-0001		B. EXHIBIT/ATTACHMENT NO. A		C. CLIN 0011		D. CDRL DATA ITEM NO. A048	
1. DELIVERABLE PRODUCT (and complete X as applicable.)							
a. ORIGINALS (Specify current design activity's full size reproducible drawing or digital data file(s) on which is kept the revision record recognized as official) (Identify specification, type, grade and class, etc.)							
b. REPRODUCTIONS (Identify specifications, type, grade and class, etc., and quantity of each)							
X c. DIGITAL DATA (Identify specification, exchange media, etc. and specify original (master) or copy) See Enclosure 10a							
2. CAGE CODE AND DOCUMENT NUMBERS (X ONE)							
a. CONTRACTOR							
X b. GOVERNMENT (Complete (1) and (2) or (3))							
(1) Use CAGE Code 53711		(2) Use Document Numbers		(3) To Be Assigned By:			
3. DRAWING FORMATS AND DRAWING FORMS (X one and complete as applicable)							
a. CONTRACTOR FORMATS. Forms to be supplied by contractor.							
X b. GOVERNMENT FORMATS. Forms to be supplied by contractor. See Enclosure 6a Samples supplied by (Specify)							
c. GOVERNMENT FORMATS. Forms to be supplied as Government Furnished Material by (Specify)							
4. TYPES OF DRAWINGS SELECTION (X one)							
a. CONTRACTOR SELECTS				X	b. GOVERNMENT SELECTS (Specify in Item 7) See Enclosure 6a		
5. ASSOCIATED LISTS (X and complete as applicable)							
X	a. PARTS LISTS (X one)		(1) Integral	X	(2) Separate	(3) Contractor's Option	
X	b. DATA LISTS (X one)		(1) Not Required	X	(2) Required (Specify levels of assembly) ALL LEVELS		
X	c. INDEX LISTS (X one)		(1) Not Required	X	(2) Required (Specify levels of assembly) ALL LEVELS		
X	d. WIRING LISTS (X one) See Enclosure 10a		(1) Not Required	X	(2) Required (Specify levels of assembly) ALL LEVELS		
X	e. INDENTURED DATA LISTS (X one)		(1) Not Required	X	(2) Required (Specify levels of assembly) ALL LEVELS		
X	f. APPLICATION LISTS (X one)		(1) Not Required	X	(2) Required (Specify levels of assembly) ALL LEVELS		
6. APPLICABILITY OF STANDARDS. The following Standards apply: (X as applicable)							
a. ASME Y14.100, ENGINEERING DRAWING PRACTICES (COMMERCIAL)		B.	b. ASME Y14.100, WITH APPENDICES B, C, D, E		c. ASME Y14.34 ASSOCIATED LISTS		d. EXISTING STANDARDS DO NOT APPLY
		C.					
		D.	X		X		
		E.					
7. OTHER TAILORING (Attach additional sheets as necessary)							
Please Note: Diagrams, including Electronic Schematic Diagrams and Mechanical and electrical connections, including Wire Connection Lists. See Enclosure 10a.							

A048 - Special Tooling Drawings/Models and Associated Lists (DI-SESS-81008C)

1.c. Digital Data: add "All drawings shall be delivered in a 2D format that is editable, non-proprietary, unlocked and supported by standard commercial programs. The specific format can be the native (i.e design tool) format or a computer interpretable "neutral" format such as ISO10303 STEP (Standard for the Exchange of Product Model Data)."

3.b. Drawing Formats: add "Contractor shall deliver 2D digital drawings on NAVSEA format supplied by contractor."

4.b. Types of Drawings: Change X to b. Government Selects: Level three (III) of MIL-STD-100 (obsolete) or as product drawings and associated lists as described in Data Item Description DI-SESS-81000C Product Drawings/Models and Associated Lists paragraph 4.a thru m, o thru q and paragraph 5.a thru c. Subparagraph 4.n and 5.d are applicable to Specification/Source Control Drawings only

5.d. WIRING LISTS: Delivery must be in acceptable format which is not locked.

7. Other Tailoring: Digital Data will be delivered in a 2D format that is editable, non-proprietary, unlocked and supported by standard commercial programs. The specific format can be the native (i.e design tool) format or a computer interpretable "neutral" format such as ISO10303 STEP (Standard for the Exchange of Product Model Data).

For the purpose of this CDRL, "Critical Manufacturing Processes" are defined as unique processes which are required to build, inspect or test the product which are not available to a competent manufacturer.

For the purpose of this CDRL, if a supplier asserts proprietary rights to a Critical Manufacturing Process utilized in the production of a component/assembly required to build, inspect or test the product, identification of a valid source of supply for the affected component/assembly via drawing is required.

For the purpose of this CDRL, "Special Tooling" and "Special Inspection Equipment" is defined as unique tooling or equipment which is required to build, inspect or test the product and which is not available to a competent manufacturer.

For the purpose of this CDRL, software is deliverable:

1. If it is required to build, inspect or test the product and is not available to a competent manufacturer.
2. If it is required to build, inspect or test the product and cannot be readily created from supplied requirements documents by a competent manufacturer.
3. If it is required for the operation of "Special Tooling" or "Special Inspection Equipment"

TDP OPTION SELECTION WORKSHEET SPECIFICATIONS			
A. CONTRACT NO. HQ0276-10-C-0001	B. EXHIBIT/ATTACHMENT NO. A	C. CLIN 0012	D. CDRL DATA ITEM NO. A051
1. ITEM, PROCESS OR MATERIAL			
X	2. COMMERCIAL ITEM DESCRIPTIONS As Required		
3. DEFENSE SPECIFICATIONS. (X one and complete as applicable)			
a. MIL-PRF	b. MIL-DTL	c. PROGRAM UNIQUE	
(1) Coordinated	(1) Coordinated	(1) PERFORMANCE	(2) DETAIL
(2) Limited Coordinated	(2) Limited Coordinated	X a. System	X a. System
(3) Interim	(3) Interim	X b. Item	X b. Item
		X c. Software	X c. Software
		X d. Material	X d. Material
		X e. Process	X e. Process
4. ASSOCIATED DOCUMENTS PER MIL-STD-961. The Following documents associated with defense specifications are required under the CDRL data item number referenced herein. (X and complete as applicable)			
a. DOCUMENT	b. CDRL DATA ITEM NO.	a. DOCUMENT	b. CDRL DATA ITEM NO.
(1) Supplements		(5) Cancellation Notice	
(2) Amendments		(6) Reinstatement Notice	
(3) Validation Notice		(7) Military Specification Sheets	
(4) Inactive for New Design Notice			
5. DELIVERABLE PRODUCT (X and complete as applicable)			
a. ORIGINALS			
	(1) Camera Ready Master		
X	(2) Digital Data (Detail in item 6, including requirement for CD/DVD with Portable Document Format or Printer Description Language, and Word Processing Program. See block 8)		
6. OTHER TAILORING (Attach additional sheets as necessary)			
<p>5.a.(2) Digital Data: Digital Data will be delivered in a format that is compatible with commercially available software programs and consistent with drawing/list formats, which includes the requirements and specification database and associated documents provided in an acceptable commercial format such as DOORS Database or Rational Rose.</p>			

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE V		PAGE OF PAGES 1 29	
2. AMENDMENT/MODIFICATION NO. P00001		3. EFFECTIVE DATE 30-Oct-2009		4. REQUISITION/PURCHASE REQ. NO. SEE SCHEDULE		5. PROJECT NO.(If applicable)	
6. ISSUED BY CODE HQ0276 MISSILE DEFENSE AGENCY (MDA) 17211 AVENUE D SUITE 160 DAHLGREN VA 22448-5154		7. ADMINISTERED BY (If other than item 6) CODE S3110A DCMA NAVAL SEA SYSTEMS OPERATIONS 3000 MIDLANTIC DRIVE SUITE 201 MOUNT LAUREL NJ 08054					
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) LOCKHEED MARTIN CORPORATION 199 BORTON LANDING RD MOORESTOWN NJ 08057-3054				9A. AMENDMENT OF SOLICITATION NO.			
				9B. DATED (SEE ITEM 11)			
				X 10A. MOD. OF CONTRACT/ORDER NO. HQ0276-10-C-0001			
				X 10B. DATED (SEE ITEM 13) 01-Oct-2009			
CODE 02769		FACILITY CODE					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required)							
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.							
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.							
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).							
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:							
X D. OTHER (Specify type of modification and authority) (b)(4)							
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Modification Control Number: (b)(4) The purpose of this modification is to incorporate an updated Data Rights Assertion List (Attachment J-10), correct administrative errors to the administration and payment offices. In addition, the following clarification is made with regard to the applicability of DFARS clause 252.239-7000: The clause is applicable to the contract and applies to design going forward at contract award. Specifically it applies to the design and installation of networks ie MDA CNET. The security requirements called out in the clause as well as in the applicable documents must be addressed and where appropriate included in design of future systems. This would have to be done as a matter of certifying the design for its SSA. Except in cases where future design impacts legacy systems will the contractor be held accountable for the replacement of deficient information technology.							
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)			
				(b)(6) / CONTRACTING OFFICER			
				TEL: (b)(6)		EMAIL: (b)(6)	
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA		16C. DATE SIGNED	
				(b)(6)			
(Signature of person authorized to sign)				BY (Signature of Contracting Officer)		30-Oct-2009	

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION A - SOLICITATION/CONTRACT FORM

The 'administered by' organization has changed from
DCMA LOCKHEED MARTIN WEDOC
199 BORTON LANDING ROAD
MOORESTOWN NJ 08057-0927
to
LOCKHEED MARTIN WEDOC
199 BORTON LANDING ROAD
MOORESTOWN NJ 08057-0927

The 'Payment will be made by' organization has changed from
DFAS COLUMBUS CENTER
BUNKER HILL
P.O. BOX 182077
COLUMBUS OH 43218-2077
to
DFAS COLUMBUS CENTER
NORTH ENTITLEMENT OPERATIONS
P.O. BOX 182266
COLUMBUS OH 43218-2266

SECTION B - SUPPLIES OR SERVICES AND PRICES

The following have been modified:

PRE-CONTRACT COSTS

The contractor shall be entitled to reimbursement for pre-contract costs, directly related to the work covered by this contract, incurred on or after 1 October 2009, in an amount not to exceed (b)(4) that, if incurred after this contract has been entered into, would have been reimbursable under this contract.

SECTION F - DELIVERIES OR PERFORMANCE

The following Delivery Schedule item for CLIN 0001 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 30-JUN-2010 TO 31-MAR-2012	N/A	DCMA LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 30-JUN-2010 TO 31-MAR-2012	N/A	LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

The following Delivery Schedule item for CLIN 0002 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 30-JUN-2010 TO 31-MAR-2012	N/A	DCMA LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 30-JUN-2010 TO 31-MAR-2012	N/A	LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

The following Delivery Schedule item for CLIN 0003 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 30-JUN-2010 TO 31-MAR-2012	N/A	DCMA LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 30-JUN-2010 TO 31-MAR-2012	N/A	LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

The following Delivery Schedule item for CLIN 0004 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
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POP 01-OCT-2009 TO 31-DEC-2013	N/A	DCMA LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449
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To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 31-DEC-2013	N/A	LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

The following Delivery Schedule item for SUBCLIN 000401 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 31-DEC-2013	N/A	DCMA LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 31-DEC-2013	N/A	LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

The following Delivery Schedule item for SUBCLIN 000402 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 31-DEC-2013	N/A	DCMA LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 31-DEC-2013	N/A	LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

The following Delivery Schedule item for SUBCLIN 000403 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 31-DEC-2013	N/A	DCMA LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 31-DEC-2013	N/A	LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

The following Delivery Schedule item for CLIN 0005 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 31-DEC-2013	N/A	DCMA LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 31-DEC-2013	N/A	LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

The following Delivery Schedule item for SUBCLIN 000501 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 31-DEC-2013	N/A	DCMA LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
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POP 01-OCT-2009 TO 31-DEC-2013	N/A	LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449
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The following Delivery Schedule item for CLIN 0006 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 31-DEC-2013	N/A	DCMA LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 31-DEC-2013	N/A	LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

The following Delivery Schedule item for SUBCLIN 000601 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 31-DEC-2013	N/A	DCMA LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 31-DEC-2013	N/A	LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

The following Delivery Schedule item for SUBCLIN 000602 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 31-DEC-2013	N/A	DCMA LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 31-DEC-2013	N/A	LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

The following Delivery Schedule item for CLIN 0007 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 31-DEC-2014	N/A	DCMA LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 31-DEC-2014	N/A	LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

The following Delivery Schedule item for CLIN 0011 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 30-SEP-2011	N/A	DCMA LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 30-SEP-2011	N/A	LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

The following Delivery Schedule item for SUBCLIN 001101 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
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POP 01-OCT-2009 TO 30-SEP-2011	N/A	DCMA LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449
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To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 30-SEP-2011	N/A	LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

The following Delivery Schedule item for CLIN 0012 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 30-SEP-2011	N/A	DCMA LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 30-SEP-2011	N/A	LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

The following Delivery Schedule item for SUBCLIN 001201 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 30-SEP-2011	N/A	DCMA LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 30-SEP-2011	N/A	LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

The following Delivery Schedule item for CLIN 0013 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 30-SEP-2011	N/A	DCMA LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 30-SEP-2011	N/A	LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

The following Delivery Schedule item for SUBCLIN 001301 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 30-SEP-2011	N/A	DCMA LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 30-SEP-2011	N/A	LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

The following Delivery Schedule item for CLIN 0017 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 30-JUN-2014	N/A	DCMA LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
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POP 01-OCT-2009 TO 30-JUN-2014	N/A	LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449
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The following Delivery Schedule item for SUBCLIN 001701 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 30-SEP-2010	N/A	DCMA LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 30-SEP-2010	N/A	LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

The following Delivery Schedule item for CLIN 0018 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 30-SEP-2010	N/A	DCMA LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 30-SEP-2010	N/A	LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

The following Delivery Schedule item for SUBCLIN 001801 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 30-SEP-2010	N/A	DCMA LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 30-SEP-2010	N/A	LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

The following Delivery Schedule item for CLIN 0019 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 30-JUN-2014	N/A	DCMA LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 30-JUN-2014	N/A	LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

The following Delivery Schedule item for SUBCLIN 001901 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 30-SEP-2010	N/A	DCMA LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 30-SEP-2010	N/A	LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

The following Delivery Schedule item for CLIN 0020 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
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POP 01-OCT-2009 TO 31-DEC-2014	N/A	DCMA LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449
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To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 31-DEC-2014	N/A	LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

The following Delivery Schedule item for SUBCLIN 002001 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 30-SEP-2010	N/A	DCMA LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 30-SEP-2010	N/A	LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

The following Delivery Schedule item for SUBCLIN 002002 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 30-SEP-2010	N/A	DCMA LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 30-SEP-2010	N/A	LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

The following Delivery Schedule item for CLIN 0021 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 31-DEC-2014	N/A	DCMA LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 31-DEC-2014	N/A	LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

The following Delivery Schedule item for SUBCLIN 002101 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 30-SEP-2010	N/A	DCMA LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 30-SEP-2010	N/A	LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

The following Delivery Schedule item for CLIN 0022 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 31-DEC-2014	N/A	DCMA LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
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POP 01-OCT-2009 TO 31-DEC-2014	N/A	LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449
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The following Delivery Schedule item for SUBCLIN 002201 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 30-SEP-2010	N/A	DCMA LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 30-SEP-2010	N/A	LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

The following Delivery Schedule item for SUBCLIN 002202 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 30-SEP-2010	N/A	DCMA LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 30-SEP-2010	N/A	LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

The following Delivery Schedule item for CLIN 0023 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 31-DEC-2014	N/A	DCMA LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 31-DEC-2014	N/A	LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

The following Delivery Schedule item for SUBCLIN 002301 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 30-SEP-2010	N/A	DCMA LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 30-SEP-2010	N/A	LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

The following Delivery Schedule item for SUBCLIN 002302 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 30-SEP-2010	N/A	DCMA LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 30-SEP-2010	N/A	LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

The following Delivery Schedule item for SUBCLIN 002303 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
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POP 01-OCT-2009 TO 30-SEP-2010	N/A	DCMA LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449
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To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 30-SEP-2010	N/A	LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

The following Delivery Schedule item for SUBCLIN 002304 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 30-SEP-2010	N/A	DCMA LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 30-SEP-2010	N/A	LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

The following Delivery Schedule item for SUBCLIN 002305 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 30-SEP-2010	N/A	DCMA LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 30-SEP-2010	N/A	LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

The following Delivery Schedule item for SUBCLIN 002306 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 30-SEP-2010	N/A	DCMA LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 30-SEP-2010	N/A	LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

The following Delivery Schedule item for CLIN 0024 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 31-DEC-2014	N/A	DCMA LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 31-DEC-2014	N/A	LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

The following Delivery Schedule item for SUBCLIN 002401 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 30-SEP-2010	N/A	DCMA LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
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POP 01-OCT-2009 TO 30-SEP-2010	N/A	LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449
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The following Delivery Schedule item for CLIN 0025 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 31-DEC-2014	N/A	DCMA LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 31-DEC-2014	N/A	LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

The following Delivery Schedule item for SUBCLIN 002501 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 30-SEP-2010	N/A	DCMA LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 30-SEP-2010	N/A	LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

The following Delivery Schedule item for SUBCLIN 002502 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 30-SEP-2010	N/A	DCMA LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 30-SEP-2010	N/A	LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

The following Delivery Schedule item for SUBCLIN 002503 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 30-SEP-2010	N/A	DCMA LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 30-SEP-2010	N/A	LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

The following Delivery Schedule item for SUBCLIN 002504 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 30-SEP-2010	N/A	DCMA LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 30-SEP-2010	N/A	LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

The following Delivery Schedule item for SUBCLIN 002505 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
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POP 01-OCT-2009 TO 30-SEP-2010	N/A	DCMA LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449
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To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 30-SEP-2010	N/A	LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

The following Delivery Schedule item for SUBCLIN 002506 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 30-SEP-2010	N/A	DCMA LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 30-SEP-2010	N/A	LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

The following Delivery Schedule item for SUBCLIN 002507 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 30-SEP-2010	N/A	DCMA LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 30-SEP-2010	N/A	LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

The following Delivery Schedule item for CLIN 0026 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 31-DEC-2014	N/A	DCMA LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 31-DEC-2014	N/A	LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

The following Delivery Schedule item for SUBCLIN 002601 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 30-APR-2010	N/A	DCMA LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 30-APR-2010	N/A	LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

The following Delivery Schedule item for SUBCLIN 002602 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 30-APR-2010	N/A	DCMA LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
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POP 01-OCT-2009 TO 30-APR-2010	N/A	LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449
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The following Delivery Schedule item for SUBCLIN 002603 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 30-APR-2010	N/A	DCMA LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 30-APR-2010	N/A	LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

The following Delivery Schedule item for SUBCLIN 002604 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 30-SEP-2010	N/A	DCMA LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 30-SEP-2010	N/A	LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

The following Delivery Schedule item for CLIN 0027 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 31-DEC-2014	N/A	DCMA LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 31-DEC-2014	N/A	LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

The following Delivery Schedule item for SUBCLIN 002701 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 30-APR-2010	N/A	DCMA LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 30-APR-2010	N/A	LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

The following Delivery Schedule item for SUBCLIN 002702 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 30-APR-2010	N/A	DCMA LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 30-APR-2010	N/A	LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

The following Delivery Schedule item for CLIN 0028 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
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POP 01-OCT-2009 TO 31-DEC-2014	N/A	DCMA LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449
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To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 31-DEC-2014	N/A	LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

The following Delivery Schedule item for CLIN 0100 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-APR-2010 TO 31-DEC-2013	N/A	DCMA LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-APR-2010 TO 31-DEC-2013	N/A	LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

The following Delivery Schedule item for CLIN 0101 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2011 TO 30-SEP-2013	N/A	DCMA LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2011 TO 30-SEP-2013	N/A	LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

The following Delivery Schedule item for CLIN 0102 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 31-DEC-2014	N/A	DCMA LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 31-DEC-2014	N/A	LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

The following Delivery Schedule item for SUBCLIN 010201 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 31-DEC-2014	N/A	DCMA LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 31-DEC-2014	N/A	LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

The following Delivery Schedule item for SUBCLIN 010202 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 31-DEC-2014	N/A	DCMA LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
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POP 01-OCT-2009 TO 31-DEC-2014	N/A	LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449
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The following Delivery Schedule item for SUBCLIN 010203 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 31-DEC-2014	N/A	DCMA LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 31-DEC-2014	N/A	LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

The following Delivery Schedule item for SUBCLIN 010204 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 31-DEC-2014	N/A	DCMA LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 31-DEC-2014	N/A	LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

The following Delivery Schedule item for SUBCLIN 010205 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 31-DEC-2014	N/A	DCMA LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 31-DEC-2014	N/A	LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

The following Delivery Schedule item for SUBCLIN 010206 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 31-DEC-2014	N/A	DCMA LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 31-DEC-2014	N/A	LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

The following Delivery Schedule item for SUBCLIN 010207 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 31-DEC-2014	N/A	DCMA LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2009 TO 31-DEC-2014	N/A	LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

The following Delivery Schedule item for CLIN 0103 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
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POP 01-APR-2010 TO 31-DEC-2013	N/A	DCMA LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449
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To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-APR-2010 TO 31-DEC-2013	N/A	LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

The following Delivery Schedule item for CLIN 0104 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2011 TO 30-SEP-2013	N/A	DCMA LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-OCT-2011 TO 30-SEP-2013	N/A	LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

SECTION J - LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

The following have been modified:

LIST OF DOCUMENTS

DOCUMENT TYPE	DESCRIPTION	PAGES	DATE
Exhibit A	CDRLs	54	1 October 2009
Enclosure 1 to Exhibit A	Addressee List	1	1 October 2009
Enclosure 2 to Exhibit A	Data Distribution List	14	1 October 2009
Enclosure 3 to Exhibit A	Software Resources Data Reporting – Initial	2	1 October 2009
Enclosure 4 to Exhibit A	Software Resources Data Reporting – Final	2	1 October 2009
Enclosure 5 to Exhibit A	Computer Program Data	4	1 October 2009
Encl 6/6a to CDRL A043	Product Drawings and Associated Lists	2	1 October 2009

Encl 7 to CDRL A044	Commercial Drawings/Models and Associated Lists	1	1 October 2009
Encl 8 to CDRL A046	Specifications	1	1 October 2009
Encl 9 to CDRL A047	Special Inspection Equipment Drawings and Associated Lists	1	1 October 2009
Encl 10 to CDRL A048	Special Tooling Drawings and Associated Lists	1	1 October 2009
Encl 11	RESERVED		
Encl 12 to CDRL A051	Specifications	1	1 October 2009
Attachment J-1	Statement of Work	32	1 October 2009
Attachment J-2	DD 254	18	1 October 2009
Attachment J-3	Award Fee Plan	17	1 October 2009
Attachment J-4	Program Integrated Master Schedule	1	1 October 2009
Attachment J-5	GFE/GFI	38	1 October 2009
Attachment J-6	Preliminary Work Breakdown Structure	8	1 October 2009
Attachment J-7	Technical Review Manual	27	1 October 2009
Attachment J-8	Milestone Event Completion Criteria	2	1 October 2009
Attachment J-9	Commercial Computer Software and Open Source Software List	3	1 October 2009
Attachment J-10	Data Rights Assertions	3	26 October 2009
Attachment J-11	(b)(4) OCI Mitigation Plan	27	1 October 2009

(End of Summary of Changes)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE V		PAGE OF PAGES 1 13	
2. AMENDMENT/MODIFICATION NO. P00002		3. EFFECTIVE DATE 13-Nov-2009		4. REQUISITION/PURCHASE REQ. NO. SEE SCHEDULE		5. PROJECT NO. (If applicable)	
6. ISSUED BY MISSILE DEFENSE AGENCY (MDA) 17211 AVENUE D SUITE 160 DAHLGREN VA 22448-5154		CODE HQ0276		7. ADMINISTERED BY (If other than item 6) DCMA NAVAL SEA SYSTEMS OPERATIONS 3000 MIDLANTIC DRIVE SUITE 201 MOUNT LAUREL NJ 08054		CODE S3110A	
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) LOCKHEED MARTIN CORPORATION 199 BORTON LANDING RD MOORESTOWN NJ 08057-3054				9A. AMENDMENT OF SOLICITATION NO.			
				9B. DATED (SEE ITEM 11)			
				10A. MOD. OF CONTRACT/ORDER NO. HQ0276-10-C-0001			
				10B. DATED (SEE ITEM 13) 01-Oct-2009			
CODE 02769 FACILITY CODE							
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required) See Schedule							
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.							
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.							
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).							
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:							
<input checked="" type="checkbox"/> D. OTHER (Specify type of modification and authority)							
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Modification Control Number: (b)(4) The purpose of this modification is to 1) provide incremental funding in the amount of (b)(4) 2) update the "Allotment of Funds" table in paragraph G-06; and 3) correct the stated "Administered By" (Block 7) address in Modification P00001.							
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)			
				(b)(6) / CONTRACTING OFFICER TEL: (b)(6) EMAIL: (b)(6)			
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA (b)(6)		16C. DATE SIGNED	
(Signature of person authorized to sign)				BY (Signature of Contracting Officer)		13-Nov-2009	

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION A - SOLICITATION/CONTRACT FORM

The 'administered by' organization has changed from
LOCKHEED MARTIN WEDOC
199 BORTON LANDING ROAD
MOORESTOWN NJ 08057-0927
to
DCMA NAVAL SEA SYSTEMS OPERATIONS
3000 MIDLANTIC DRIVE
SUITE 201
MOUNT LAUREL NJ 08054

SECTION B - SUPPLIES OR SERVICES AND PRICES

SUBCLIN 000404 is added as follows:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
000404	Incremental funding for CLIN 0004 CPIF FOB: Destination PURCHASE REQUEST NUMBER: AB9JMM00487				\$0.00
				TARGET COST	\$0.00
				TARGET FEE	\$0.00
				TOTAL TGT COST + FEE	\$0.00
				MINIMUM FEE	\$0.00
				MAXIMUM FEE	\$0.00
				SHARE RATIO ABOVE TARGET	
				SHARE RATIO BELOW TARGET	
	ACRN BT CIN: AB9JMM004870001				(b)(4)

SUBCLIN 000502 is added as follows;

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
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000502

Incremental Funding for CLIN 0005

CPAF

FOB: Destination

PURCHASE REQUEST NUMBER: AB9JMM00762

ESTIMATED COST \$0.00

BASE FEE \$0.00

SUBTOTAL EST COST + BASE \$0.00

MAX AWARD FEE \$0.00

TOTAL EST COST + FEE \$0.00

ACRN BU

CIN: AB9JMM007620001

(b)(4)

SUBCLIN 000603 is added as follows:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
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000603

Incremental Funding for CLIN 0006

CPIF

FOB: Destination

PURCHASE REQUEST NUMBER: AB9JMM00764

TARGET COST \$0.00

TARGET FEE \$0.00

TOTAL TGT COST + FEE \$0.00

MINIMUM FEE \$0.00

MAXIMUM FEE \$0.00

SHARE RATIO ABOVE TARGET

SHARE RATIO BELOW TARGET

ACRN BV

CIN: AB9JMM007640001

(b)(4)

SUBCLIN 001702 is added as follows:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
001702					\$0.00

Incremental Funding for CLIN 0017

CPIF

FOB: Destination

PURCHASE REQUEST NUMBER: AB9RAB00458

TARGET COST \$0.00

TARGET FEE \$0.00

TOTAL TGT COST + FEE \$0.00

MINIMUM FEE \$0.00

MAXIMUM FEE \$0.00

SHARE RATIO ABOVE TARGET

SHARE RATIO BELOW TARGET

ACRN BW

CIN: AB9RAB004580001

(b)(4)

SUBCLIN 001802 is added as follows:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
001802					\$0.00

Incremental Funding for CLIN 0018

CPAF

FOB: Destination

PURCHASE REQUEST NUMBER: AB9RAB00615

ESTIMATED COST \$0.00

BASE FEE \$0.00

SUBTOTAL EST COST + BASE \$0.00

MAX AWARD FEE \$0.00

TOTAL EST COST + FEE \$0.00

ACRN BX

CIN: AB9RAB006150001

(b)(4)

SUBCLIN 001902 is added as follows:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
001902					\$0.00

Incremental Funding for CLIN 0019

CPIF

FOB: Destination

PURCHASE REQUEST NUMBER: AB9RAB00618

TARGET COST \$0.00

TARGET FEE \$0.00

TOTAL TGT COST + FEE \$0.00

MINIMUM FEE \$0.00

MAXIMUM FEE \$0.00

SHARE RATIO ABOVE TARGET

SHARE RATIO BELOW TARGET

ACRN BY

CIN: AB9RAB006180001

(b)(4)

SUBCLIN 002203 is added as follows:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
002203					\$0.00

Incremental Funding for CLIN 0022

CPAF

FOB: Destination

PURCHASE REQUEST NUMBER: AB9AS996984

ESTIMATED COST \$0.00

BASE FEE \$0.00

SUBTOTAL EST COST + BASE \$0.00

MAX AWARD FEE \$0.00

TOTAL EST COST + FEE \$0.00

ACRN BZ

CIN: AB9AS9969840001

(b)(4)

SUBCLIN 002204 is added as follows:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
002204	Incremental Funding for CLIN 0022 CPAF FOB: Destination PURCHASE REQUEST NUMBER: AB9SEG00757				\$0.00
				ESTIMATED COST	\$0.00
				BASE FEE	\$0.00
					<hr/>
				SUBTOTAL EST COST + BASE	\$0.00
				MAX AWARD FEE	\$0.00
				TOTAL EST COST + FEE	\$0.00
	ACRN CA CIN: AB9SEG007570001				(b)(4)

SUBCLIN 002205 is added as follows:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
002205	Incremental Funding for CLIN 0022 CPAF FOB: Destination PURCHASE REQUEST NUMBER: AB9SEG00780				\$0.00
				ESTIMATED COST	\$0.00
				BASE FEE	\$0.00
					<hr/>
				SUBTOTAL EST COST + BASE	\$0.00
				MAX AWARD FEE	\$0.00
				TOTAL EST COST + FEE	\$0.00
	ACRN CB CIN: AB9SEG007800001				(b)(4)

SUBCLIN 002206 is added as follows:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
002206	Incremental Funding for CLIN 0022 CPAF FOB: Destination PURCHASE REQUEST NUMBER: AB9AS997008				\$0.00
				ESTIMATED COST	\$0.00
				BASE FEE	\$0.00
				SUBTOTAL EST COST + BASE	\$0.00
				MAX AWARD FEE	\$0.00
				TOTAL EST COST + FEE	\$0.00
	ACRN CC CIN: AB9AS9970080001				(b)(4)

SUBCLIN 002207 is added as follows:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
002207	Incremental Funding for CLIN 0022 CPAF FOB: Destination PURCHASE REQUEST NUMBER: AB9AS997010				\$0.00
				ESTIMATED COST	\$0.00
				BASE FEE	\$0.00
				SUBTOTAL EST COST + BASE	\$0.00
				MAX AWARD FEE	\$0.00
				TOTAL EST COST + FEE	\$0.00
	ACRN CD CIN: AB9AS9970100001				(b)(4)

SUBCLIN 002508 is added as follows:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
002508					\$0.00

Incremental Funding for CLIN 0025

CPAF

FOB: Origin

PURCHASE REQUEST NUMBER: AB9YLC00755

ESTIMATED COST	\$0.00
----------------	--------

BASE FEE	\$0.00
----------	--------

SUBTOTAL EST COST + BASE	\$0.00
--------------------------	--------

MAX AWARD FEE	\$0.00
---------------	--------

TOTAL EST COST + FEE	\$0.00
----------------------	--------

ACRN CE

CIN: AB9YLC007550001

(b)(4)

SUBCLIN 010208 is added as follows:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
010208					\$0.00

IF for CLIN 00102, FMS Case JA-P-LWA

CPAF

FOB: Destination

PURCHASE REQUEST NUMBER: N0002408MP50678-0004

ESTIMATED COST	\$0.00
----------------	--------

BASE FEE	\$0.00
----------	--------

SUBTOTAL EST COST + BASE	\$0.00
--------------------------	--------

MAX AWARD FEE	\$0.00
---------------	--------

TOTAL EST COST + FEE	\$0.00
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ACRN CF

CIN: N0002408MP506780003

(b)(4)

SECTION G - CONTRACT ADMINISTRATION DATA

Accounting and Appropriation

Summary for the Payment Office

As a result of this modification, the total funded amount for this document was increased by

from

(b)(4)

to

(b)(4)

(b)(4)

SUBCLIN 000404:

Funding on SUBCLIN 000404 is initiated as follows:

ACRN: BT

CIN: AB9JMM004870001

Acctng Data: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109A0C0487 020329

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 000502:

Funding on SUBCLIN 000502 is initiated as follows:

ACRN: BU

CIN: AB9JMM007620001

Acctng Data: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109A0C0762 020329

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 000603:

Funding on SUBCLIN 000603 is initiated as follows:

ACRN: BV

CIN: AB9JMM007640001

Acctng Data: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109A0C0764 020329

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 001702:

Funding on SUBCLIN 001702 is initiated as follows:

ACRN: BW

CIN: AB9RAB004580001

Acctng Data: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0W109I0C0458 020341

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 001802:

Funding on SUBCLIN 001802 is initiated as follows:

ACRN: BX

CIN: AB9RAB006150001

Acctng Data: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0W109I0C0615 020341

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 001902:

Funding on SUBCLIN 001902 is initiated as follows:

ACRN: BY

CIN: AB9RAB006180001

Acctng Data: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0W109I0C0618 020341

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 002203:

Funding on SUBCLIN 002203 is initiated as follows:

ACRN: BZ

CIN: AB9AS9969840001

Acctng Data: 9790400.2520 09 BM 2520 40603892C00 255Y S12135 MD9E109B8C6984 920853

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 002204:

Funding on SUBCLIN 002204 is initiated as follows:

ACRN: CA

CIN: AB9SEG007570001

Acctng Data: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109C6C0757 020225

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 002205:

Funding on SUBCLIN 002205 is initiated as follows:

ACRN: CB

CIN: AB9SEG007800001

Acctng Data: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0X309G0C0780 020359

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 002206:

Funding on SUBCLIN 002206 is initiated as follows:

ACRN: CC

CIN: AB9AS9970080001

Acctng Data: 9790400.2520 09 BM 2520 40603888C00 255Y S12135 MD9A104B0C7008 920797

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 002207:

Funding on SUBCLIN 002207 is initiated as follows:

ACRN: CD

CIN: AB9AS9970100001

Acctng Data: 9790400.2520 09 BM 2520 40603888C00 255Y S12135 MD9E10575C7010 920821

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 002508:

Funding on SUBCLIN 002508 is initiated as follows:

ACRN: CE

CIN: AB9YLC007550001

Acctng Data: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0W109A0C0755 020337

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 010201:

BK: 97-11X8242 80JU 252 40452 0 068342 2D CCXT04 E4475 ESS 104Z (CIN N0002408MP502870001)
was increased by (b)(4) from (b)(4) to (b)(4)

SUBCLIN 010208:

Funding on SUBCLIN 010208 is initiated as follows:

ACRN: CF

CIN: N0002408MP506780003

Acctng Data: 97-11X8242 8WJU 252 4Q452 0 068342 2D CCXT07 H44HHESS107Z

Increase: (b)(4)

Total: (b)(4)

FMS Case Number: JA-P-LWA

The following have been modified:

G-06 ALLOTMENT OF FUNDS (MAY 2005)

Pursuant to FAR 52.232-22, "Limitation of Funds," the total amount of funds presently available for payment and allotted to this contract (which covers all items, including fee payable), and the estimated period of performance said funds cover, are as follow:

CLIN	SLIN	ACRN	Cost to LM	IF	AF	Performance Incentive	TOTAL
0004	000401	AA	(b)(4)				
	000402	AB					
	000403	AC					
	000404						
Subtotal							
0005	000501	AD					
	000502	BU					
Subtotal							
0006	000601	AE					
	000602	AF					
	000603	BV					
Subtotal							
0011	001101	BS					
Subtotal							
0012	001201	BS					
Subtotal							
0013	001301	BS					
Subtotal							
0017	001701	AG					
	001702	BW					
Subtotal							
0018	001801	AH					
	001802	BX					
Subtotal							
0019	001901	AJ					
	001902	BY					
Subtotal							
0020	002001	AK					
	002002	AL					
Subtotal							
0021	002101	AM					

Subtotal		
0022	002201	AN
	002202	AP
	002203	BZ
	002204	CA
	002205	CB
	002206	CC
	002207	CD
Subtotal		
0023	002301	AQ
	002302	AR
	002303	AS
	002304	AT
	002305	AU
	002306	AV
Subtotal		
0024	002401	AW
Subtotal		
0025	002501	AX
	002502	AY
	002503	AZ
	002504	BA
	002505	BB
	002506	BC
	002507	BD
	002508	CE
Subtotal		
0026	002601	BE
	002602	BF
	002603	BG
	002604	BH
Subtotal		
0027	002701	BH
	002702	BJ
Subtotal		
0102	010201	BK
	010202	BL
	010203	BM
	010204	BN
	010205	BP
	010206	BQ
	010207	BR
	010208	CF
Subtotal		
TOTAL		

(b)(4)

(End of Summary of Changes)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE V		PAGE OF PAGES 1 7	
2. AMENDMENT/MODIFICATION NO. P00003		3. EFFECTIVE DATE 03-Dec-2009		4. REQUISITION/PURCHASE REQ. NO. SEE SCHEDULE		5. PROJECT NO.(If applicable)	
6. ISSUED BY MISSILE DEFENSE AGENCY (MDA) 17211 AVENUE D SUITE 160 DAHLGREN VA 22448-5154		CODE HQ0276		7. ADMINISTERED BY (If other than item 6) DCMA NAVAL SEA SYSTEMS OPERATIONS 3000 MIDLANTIC DRIVE SUITE 201 MOUNT LAUREL NJ 08054		CODE S3110A	
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) LOCKHEED MARTIN CORPORATION 199 BORTON LANDING RD MOORESTOWN NJ 08057-3054				9A. AMENDMENT OF SOLICITATION NO.			
				9B. DATED (SEE ITEM 11)			
				X 10A. MOD. OF CONTRACT/ORDER NO. HQ0276-10-C-0001			
				X 10B. DATED (SEE ITEM 13) 01-Oct-2009			
CODE 02769		FACILITY CODE					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended.							
Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required) See Schedule							
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.							
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.							
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).							
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:							
X D. OTHER (Specify type of modification and authority) IAW FAR 52.232-22, Limitation of Funds, and LMMS2 letter 2-389-00025							
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Modification Control Number: (b)(4) The purpose of this modification is to 1) provide incremental funding for CLINs 0023/0024 and 0102; 2) incorporate revised CDRLs A037 and A038; and 3) add additional JCPTS requirements in support of the JBMD program.							
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)			
				(b)(6) CONTRACTING OFFICER			
				TEL: (b)(6)		EMAIL: (b)(6)	
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA		16C. DATE SIGNED	
(Signature of person authorized to sign)				BY (b)(6)		03-Dec-2009	
				(Signature of Contracting Officer)			

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

CDRLs A037 (Cost Data Summary Report) and A038 (Software Resources Data Report) are revised to reflect changes to the deliverable due dates.

SECTION B - SUPPLIES OR SERVICES AND PRICES

SUBCLIN 002307 is added as follows:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
002307	Incremental Funding for CLIN 0023 CPIF FOB: Destination PURCHASE REQUEST NUMBER: AB9AS900556 ACRN CG CIN: AB9AS9005560001				\$0.00 (b)(4)

SUBCLIN 002402 is added as follows:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
002402	Incremental Funding for CLIN 0024 COST FOB: Destination PURCHASE REQUEST NUMBER: AB9AS900839 ACRN CH CIN: AB9AS9008390001				\$0.00 (b)(4)

SUBCLIN 010209 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
010209	IF for CLIN 0102; FMS Case JA-P-CAN ACRN CJ PURCHASE REQUEST NUMBER: N0002410MP60122	 (b)(4)

CLIN 0105 is added as follows:

Material to Support JCPTS Upgrade

SUBCLIN 010501 is added as follows:

Material to Support JCPTS Upgrade

(b)(4)

SUBCLIN 010502 is added as follows:

Cable Assemblies and Material

Required to support JCPTS upgrade per (b)(4)

(b)(4)

SECTION C - DESCRIPTIONS AND SPECIFICATIONS

The following have been added by full text:

JCPTS UPGRADE

Items 010501 and 010502 – The contractor shall produce and deliver the items as described in Section B.

SECTION D - PACKAGING AND MARKING

The following have been added by full text:

JCPTS UPGRADE

Items 010501 and 010502 – Packaging, packing, and shipping, if required, shall be in accordance with Level A requirements or in accordance with the best commercial practices.

SECTION E - INSPECTION AND ACCEPTANCE

The following have been added by full text:

JCPTS UPGRADE

Inspection and acceptance for items 010501 and 010502 shall be performed at source by the cognizant DCMA Representative via DD 250.

Copies of DD Form 250 shall be submitted in accordance with FAR Appendix I and to the following addresses:

In the Clear Address:

NSWCPHD
Command
NSWCPHD (Code 4C21)
Port Hueneme, CA 93043-5007

DCMDE-RVOA
DCMA Lockheed Martin
ATTN: DCMDE-RVOA
199 Borton Landing Road
Moorestown, NJ 08057

Inspection/Acceptance: Origin

SECTION F - DELIVERIES OR PERFORMANCE

The following have been added by full text:

JCPTS UPGRADE

Completion of packing requirements for sub-CLINs 010501 and 010502 are as follows:

CLIN	Delivery Date
010501	08/31/10
010502	01/29/10

Open items and partial shipments are permissible and will be documented.

CLINs 010501 and 010502 shall be shipped to:

Worldwide Engineering and Depot Operations (WEDOC)
199 Borton Landing Road, Moorestown, NJ 08057-0927
Mark for: JCPTS
Address Code: Q94449

SECTION G - CONTRACT ADMINISTRATION DATA

Accounting and Appropriation

Summary for the Payment Office

As a result of this modification, the total funded amount for this document was increased by (b)(4) from (b)(4) to (b)(4)

Funding on SUBCLIN 002307 is initiated as follows:

Total: (b)(4)

Total: (b)(4)

Total: (b)(4)

FMS Case Number: JA-P-CAN

Pursuant to FAR 52.232-22, "Limitation of Funds," the total amount of funds presently available for payment and allotted to this contract (which covers all items, including fee payable), and the estimated period of performance said funds cover, are as follow:

CLIN	SLIN	ACRN	Cost to LM	IF	AF	Performance Incentive	TOTAL
(b)(4)							

(b)(4)



(b)(4)



(End of Summary of Changes)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE V		PAGE OF PAGES 1 2	
2. AMENDMENT/MODIFICATION NO. P00004		3. EFFECTIVE DATE 17-Dec-2009		4. REQUISITION/PURCHASE REQ. NO. SEE SCHEDULE		5. PROJECT NO.(If applicable)	
6. ISSUED BY MISSILE DEFENSE AGENCY (MDA) 17211 AVENUE D SUITE 160 DAHLGREN VA 22448-5154		CODE HQ0276		7. ADMINISTERED BY (If other than item 6) DCMA NAVAL SEA SYSTEMS OPERATIONS 3000 MIDLANTIC DRIVE SUITE 201 MOUNT LAUREL NJ 08054		CODE S3110A	
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) LOCKHEED MARTIN CORPORATION 199 BORTON LANDING RD MOORESTOWN NJ 08057-3054				9A. AMENDMENT OF SOLICITATION NO.			
				9B. DATED (SEE ITEM 11)			
				X 10A. MOD. OF CONTRACT/ORDER NO. HQ0276-10-C-0001			
				X 10B. DATED (SEE ITEM 13) 01-Oct-2009			
CODE 02769		FACILITY CODE					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required)							
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.							
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.							
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).							
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:							
X D. OTHER (Specify type of modification and authority) (b)(4)							
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Modification Control Number: (b)(4) The purpose of this modification is to incorporate additional "JCPTS Upgrade" language into Sections B and C of the contract.							
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)			
				(b)(6) / CONTRACTING OFFICER TEL: (b)(6) EMAIL: (b)(6)			
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA		16C. DATE SIGNED	
_____ (Signature of person authorized to sign)				BY (b)(6) (Signature of Contracting Officer)		17-Dec-2009	

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION B - SUPPLIES OR SERVICES AND PRICES

SUBCLIN 010501

The CLIN extended description has changed from Per Lockheed Martin Drawing (b)(4) to Per Lockheed Martin Drawing (b)(4)

SUBCLIN 010502

The CLIN extended description has changed from Required to support JCPTS upgrade per Lockheed Martin Drawings (b)(4) to Required to support JCPTS upgrade per Lockheed Martin Drawings (b)(4) LOT, NSP.

SECTION C - DESCRIPTIONS AND SPECIFICATIONS

The following have been modified:

JCPTS UPGRADE

Items 010501 and 010502 – The contractor shall produce and deliver the items as described in Section B.

For Item 010501 – JCPTS Mission Planner enclosure, (b)(4), SCUS enclosure (b)(4) and Maintenance laptop (b)(4) deliveries require Dell laptops that are (b)(4). Lockheed Martin may deliver laptops that have been used for non-destructive engineering software development to support this requirement if new material cannot be procured.

(End of Summary of Changes)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE V		PAGE OF PAGES 1 7	
2. AMENDMENT/MODIFICATION NO. P00005		3. EFFECTIVE DATE 29-Dec-2009		4. REQUISITION/PURCHASE REQ. NO. SEE SCHEDULE		5. PROJECT NO.(If applicable)	
6. ISSUED BY CODE HQ0276 MISSILE DEFENSE AGENCY (MDA) 17211 AVENUE D SUITE 160 DAHLGREN VA 22448-5154		7. ADMINISTERED BY (If other than item 6) CODE S3110A DCMA NAVAL SEA SYSTEMS OPERATIONS 3000 MIDLANTIC DRIVE SUITE 201 MOUNT LAUREL NJ 08054					
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) LOCKHEED MARTIN CORPORATION 199 BORTON LANDING RD MOORESTOWN NJ 08057-3054				9A. AMENDMENT OF SOLICITATION NO.			
				9B. DATED (SEE ITEM 11)			
				X 10A. MOD. OF CONTRACT/ORDER NO. HQ0276-10-C-0001			
				X 10B. DATED (SEE ITEM 13) 01-Oct-2009			
CODE 02769		FACILITY CODE					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required) See Schedule							
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.							
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.							
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).							
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:							
X D. OTHER (Specify type of modification and authority) FAR 52.232-22 Limitation of Funds							
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Modification Control Number: (b)(4) The purpose of this modification is to 1) Provide Incremental Funding in the amount of (b)(4) for CLINs 0004/0005/0006 (b)(6) 0017/0018/0019 (b)(4) 0023/0024 (b)(4) and 0025 (b)(4) and 2) update the "Technical/Schedule Performance Incentive Fee" table in Section B.							
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) (b)(6) / CONTRACTING OFFICER TEL: (b)(6) EMAIL: (b)(6)			
15B. CONTRACTOR/OFFEROR _____ (Signature of person authorized to sign)		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA (b)(6) BY _____ (Signature of Contracting Officer)		16C. DATE SIGNED 29-Dec-2009	

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION B - SUPPLIES OR SERVICES AND PRICES

SUBCLIN 002308 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
002308	Incremental Funding for CLIN 0023	
	ACRN CK	(b)(4)
	PURCHASE REQUEST NUMBER: AB9SEG01805	

SUBCLIN 002403 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
002403	Incremental Funding for CLIN 0024	
	ACRN CL	(b)(4)
	PURCHASE REQUEST NUMBER: AB9SEG01807	

The following have been modified:

TECHNICAL/SCHEDULE PERF I/F
TECHNICAL/SCHEDULE PERFORMANCE INCENTIVE FEE

The total available Technical/Schedule Performance Incentive Fee for CLINs 0003 (Option), 0006, 0013, and 0019, as outlined in the table below are subject to the limitations and protections of FAR 52.232-22 Limitation of Funds, and will be incrementally funded.

If the contractor successfully achieves the mandated milestone event, as defined in Attachments J-4 and J-8 to this contract, by the due date specified, the Contracting Officer will provide the Technical/Schedule Performance Incentive Fee associated with that milestone event. To ensure timely payment, the contractor shall provide written notification to the Contracting Officer of the scheduled date(s) for Technical/Schedule Milestone Events at least thirty (30) days in advance. The Contracting Officer will authorize the contractor to bill for Technical/Schedule Performance Incentive Fee earned for the milestone event in question via electronic transmission within 15 days after the due date.

The Government is under NO obligation to roll over unearned Technical/Schedule Performance Incentive Fee, however, it hereby reserves the right to unilaterally roll over some or all of the unearned fee to later evaluation periods.

The Contracting Officer, in consultation with the Aegis BMD Program Director, is the Determining Official with regard to Technical/Schedule Performance Incentive Fee. The Fee Determining Official for all other Award Fees is MDA/D. Determinations of the Contracting Officer with respect to the payment of Technical/Schedule Performance Incentive Fee to the contractor and the rolling over of any unearned fee are final, unilateral decisions made solely at the discretion of the Contracting Officer.

If the contractor anticipates it will or actually does fail to meet a stated milestone as outlined in Attachment J-4, it shall promptly notify the Contracting Officer in writing explaining the root cause and as applicable, request relief in accordance with FAR 52.249-14, Excusable Delays.

Milestone Event	Potential Incentive Fee	Earned Fee
CLIN 0001- BMD 4.0.1 (Option)	CLIN 0003 (Option) (Note A)	
Conduct FTM-16	(b)(4)	
Complete CPAP		
Integrated Baseline Review (IBR)		
Complete Certification		
Conduct FTM-17		
FY11 CG Installation Complete		
CLIN 0004 – BMD 5.0	CLIN 0006	
IBR	(b)(4)	
IPR #4		
IPR #5		
Complete System Demonstration		
DDG-53 Installation Complete		
Complete CPAP		
Complete Certification		
Additional ECS “Assess To” Threat into Compliance in Cert Load (See Note B) (Threat #1)		
Additional ECS “Assess To” Threat into Compliance in Cert Load (See Note B) (Threat #2)		
CLIN 0011 – MMSP	CLIN 0013	
IBR	(b)(4)	
Multi-Mission Exercise		
Production Readiness Review		
D(V) Performance Demo		
CLIN 0017 – BMD 5.1	CLIN 0019	
System Requirements Review	(b)(4)	
System Design Review		

Note A: CLIN 0003 is an Option

Note B: CLIN 0006

a. If the Contractor delivers "In Compliance" capability in the Aegis BMD Baseline 5.0 Weapon System against the following Threats as subsequently verified and validated by FTMs and/or Ground Test Campaign(s), as defined in Attachments J-7 and J-8, the Contractor will receive a Technical/Schedule Performance Incentive Fee of X percent of the Estimated Cost of CLIN 0004 for each Threat:

Threat #1 _____ (to be selected from "Assess To" Threats listed in the Aegis BMD 5.0 Element Capability Specification)

Threat #2 _____ (to be selected from "Assess To" Threats listed in the Aegis BMD 5.0 Element Capability Specification)

b. The additional capability must be delivered without growth to the Estimated Cost of CLIN 0004 or delay to the schedule of the Aegis BMD Baseline 5.0 Weapons System per Attachment J-4 to this contract.

c. The Contractor must follow the established MDA/AB System Engineering Process, as defined in the MDA/AB System Engineering Management Plan (SEMP) and Attachments J-7 and J-8, in design, development and test including peer review of performance analyses and design trades to assure a robust design space and not "Point Solution(s)" for the delivered Weapons System.

d. Balanced Technical Performance Measures, as defined in Attachment J-7, must be established at the In Process Design Reviews and satisfied by the delivered Weapons System.

e. The Government encourages the Contractor as the Combat System Engineering Agent to suggest technical performance improvements to the Combat System (including the Weapons System and the SM-3 Missile) which might support the above additional "In Compliance" Weapons System capability, however, the Government can make no commitment to change the SM-3 missile to support the Contractor in earning the above Technical/Schedule Performance Incentive Fee(s).

SECTION G - CONTRACT ADMINISTRATION DATA

Accounting and Appropriation

Summary for the Payment Office

As a result of this modification, the total funded amount for this document was increased by \$8,484,000.00 from (b)(4) to (b)(4)

SUBCLIN 000404:

BT: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109A0C0487 020329 (CIN AB9JMM004870001) was increased by (b)(4) from (b)(4) to (b)(4)

SUBCLIN 000502:

BU: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109A0C0762 020329 (CIN AB9JMM007620001) was increased by (b)(4) from (b)(4) to (b)(4)

SUBCLIN 000603:

BV: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109A0C0764 020329 (CIN AB9JMM007640001) was increased by (b)(4) from (b)(4) to (b)(4)

SUBCLIN 001702:

BW: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0W109I0C0458 020341 (CIN AB9RAB004580001) was increased by (b)(4) from (b)(4) to (b)(4)

SUBCLIN 001802:

BX: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0W109I0C0615 020341 (CIN AB9RAB006150001) was increased by (b)(4) from (b)(4) to (b)(4)

SUBCLIN 001902:

BY: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0W109I0C0618 020341 (CIN AB9RAB006180001) was increased by (b)(4) from (b)(4) to (b)(4)

SUBCLIN 002308:

Funding on SUBCLIN 002308 is initiated as follows:

ACRN: CK

CIN: AB9SEG018050001

Acctng Data: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109C5C1805 020224

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 002403:

Funding on SUBCLIN 002403 is initiated as follows:

ACRN: CL

CIN: AB9SEG018070001

Acctng Data: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109C5C1807 020224

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 002508:

CE: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0W109A0C0755 020337 (CIN AB9YLC007550001) was increased by (b)(4) from (b)(4) to (b)(4)

The following have been modified:

G-06 ALLOTMENT OF FUNDS (MAY 2005)

Pursuant to FAR 52.232-22, "Limitation of Funds," the total amount of funds presently available for payment and allotted to this contract (which covers all items, including fee payable), and the estimated period of performance said funds cover, are as follow:

CLIN	SLIN	ACRN	Cost to LM	IF	AF	Performance	TOTAL
------	------	------	------------	----	----	-------------	-------

(b)(4)



(b)(4)



(End of Summary of Changes)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE V		PAGE OF PAGES 1 5	
2. AMENDMENT/MODIFICATION NO. P00006		3. EFFECTIVE DATE 22 Jan 2010		4. REQUISITION/PURCHASE REQ. NO. SEE SCHEDULE		5. PROJECT NO. (If applicable)	
6. ISSUED BY MISSILE DEFENSE AGENCY (MDA) 17211 AVENUE D SUITE 160 DAHLGREN VA 22448-5154		CODE HQ0276		7. ADMINISTERED BY (If other than item 6) DCMA NAVAL SEA SYSTEMS OPERATIONS 3000 MIDLANTIC DRIVE SUITE 201 MOUNT LAUREL NJ 08054		CODE S3110A	
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) LOCKHEED MARTIN CORPORATION 199 BORTON LANDING RD MOORESTOWN NJ 08057-3054				9A. AMENDMENT OF SOLICITATION NO.			
				9B. DATED (SEE ITEM 11)			
				10A. MOD. OF CONTRACT ORDER NO. HQ0276-10-0-0001			
CODE - 02769				10B. DATED (SEE ITEM 13) 01-Oct-2009			
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required) See Schedule							
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT/ORDERS IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.							
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.							
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).							
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:							
<input checked="" type="checkbox"/> D. OTHER (Specify type of modification and authority) FAR 52.232-22, Limitation of Funds and Mutual Agreement of the Parties							
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return 1 copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Modification Control Number: (b)(4) The purpose of this modification is to: 1) provide incremental funding in the amount of (b)(4) (CLINs 0004/0005/0006 - (b)(4) and CLIN 0022 - (b)(4)); 2) deobligate (b)(4) from CLIN 0102 (TI 102-03/Case No. JA-P-LWA); 3) correct the Allotment of Funds table in G-06 to add SLIN 002308/ACRN CK that was inadvertently left off in modification P00005; 4) incorporate revised CDFL A005; and 5) revise Section I to remove several provisions.							
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print) (b)(6) , Contract Manager LOCKHEED MARTIN CORPORATION				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) (b)(6) EMAIL (b)(6)			
15B. CONTRACTOR/OFFEROR (b)(6) (Signature of person authorized to sign)		15C. DATE SIGNED 22 JAN 2010		16B. UNITED STATES OF AMERICA (b)(6) BY (b)(6) (Signature of Contracting Officer)		16C. DATE SIGNED 22-Jan-2010	

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION B - SUPPLIES OR SERVICES AND PRICES

SUBCLIN 002208 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
002208	Incremental Funding for CLIN 0022	
	ACRN CM	(b)(4)
	PURCHASE REQUEST NUMBER: AB9SEG97400	

SECTION G - CONTRACT ADMINISTRATION DATA

Accounting and Appropriation

Summary for the Payment Office

As a result of this modification, the total funded amount for this document was increased by (b)(4) from (b)(4) to (b)(4)

SUBCLIN 000404:

BT: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109A0C0487 020329 (CIN AB9JMM004870001) was increased by (b)(4) from (b)(4) to (b)(4)

SUBCLIN 000502:

BU: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109A0C0762 020329 (CIN AB9JMM007620001) was increased by (b)(4) from (b)(4) to (b)(4)

SUBCLIN 000603:

BV: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109A0C0764 020329 (CIN AB9JMM007640001) was increased by (b)(4) from (b)(4) to (b)(4)

SUBCLIN 002208:

Funding on SUBCLIN 002208 is initiated as follows:

ACRN: CM

CIN: AB9SEG974000001

Acctng Data: 9790400.2520 09 BM 2520 40603892C00 255Y S12135 MD9B109D2C7400 920515

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 010208:

CF: 97-11X8242 8WJU 252 40452 0 068342 2D CCXT07 H44HHESS107Z (CIN N0002408MP506780003)
 was decreased by (b)(4) from (b)(4) to (b)(4)

The following have been modified:

G-06 ALLOTMENT OF FUNDS (MAY 2005)

Pursuant to FAR 52.232-22, "Limitation of Funds," the total amount of funds presently available for payment and allotted to this contract (which covers all items, including fee payable), and the estimated period of performance said funds cover, are as follow:

CLIN	SLIN	ACRN	Cost to LM	IF	AF	Performance Incentive	TOTAL
0004	000401	AA	(b)(4)				
	000402	AB					
	000403	AC					
	000404	BT					
Subtotal							
0005	000501	AD					
	000502	BU					
Subtotal							
0006	000601	AE					
	000602	AF					
	000603	BV					
Subtotal							
0011	001101	BS					
Subtotal							
0012	001201	BS					
Subtotal							
0013	001301	BS					
Subtotal							
0017	001701	AG					
	001702	BW					
Subtotal							
0018	001801	AH					
	001802	BX					
Subtotal							
0019	001901	AJ					
	001902	BY					
Subtotal							
0020	002001	AK					
	002002	AL					
Subtotal							
0021	002101	AM					
Subtotal							
0022	002201	AN					
	002202	AP					

	002203	BZ	(b)(4)
	002204	CA	
	002205	CB	
	002206	CC	
	002207	CD	
	002208	CM	
Subtotal			
0023	002301	AQ	
	002302	AR	
	002303	AS	
	002304	AT	
	002305	AU	
	002306	AV	
	002307	CG	
	002308	CK	
Subtotal			
0024	002401	AW	
	002402	CH	
	002403	CL	
Subtotal			
0025	002501	AX	
	002502	AY	
	002503	AZ	
	002504	BA	
	002505	BB	
	002506	BC	
	002507	BD	
	002508	CE	
Subtotal			
0026	002601	BE	
	002602	BF	
	002603	BG	
	002604	BH	
Subtotal			
0027	002701	BH	
	002702	BJ	
Subtotal			
0102	010201	BK	
	010202	BL	
	010203	BM	
	010204	BN	
	010205	BP	
	010206	BQ	
	010207	BR	
	010208	CF	
	010209	CJ	
Subtotal			
TOTAL			

This table is also updated to include SLIN 002308/ACRN CK that was inadvertently left off in modification P00005.

SECTION I - CONTRACT CLAUSES

The following have been deleted:

52.211-1	Availability of Specifications Listed in the GSA Index of Federal Specifications, Standards and Commercial Item Descriptions, FPMR Part 101-29	AUG 1998
52.211-2	Availability of Specifications, Standards, and Data Item Descriptions Listed in the Acquisition Streamlining and Standardization Information System (ASSIST)	JAN 2006
52.211-14	Notice Of Priority Rating For National Defense, Emergency Preparedness, and Energy Program Use	APR 2008
52.215-16	Facilities Capital Cost of Money	JUN 2003

EXHIBIT A -- CONTRACT DATA REQUIREMENTS LIST (CDRL)

CDRL A005, Contractor's Progress, Status, and Management Report, is revised to delete the first sentence in Block 16, Block 12/13. The deleted sentence reads: "Documents requested from this list shall be submitted via Aegis TechRep." Block 12/13 in Block 16 now reads: "First submission to be 30 days after the end of the first fiscal quarter. Subsequent submissions due 30 days after the end of each fiscal quarter thereafter."

Except as provided herein, all other terms and conditions remain unchanged.

(End of Summary of Changes)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE V		PAGE OF PAGES 1 7	
2. AMENDMENT/MODIFICATION NO. P00007		3. EFFECTIVE DATE 8-Feb-2010		4. REQUISITION/PURCHASE REQ. NO. SEE SCHEDULE		5. PROJECT NO. (If applicable)	
6. ISSUED BY MISSILE DEFENSE AGENCY (MDA) 17211 AVENUE D SUITE 160 DAHLGREN VA 22448-5154		CODE HQ0276		7. ADMINISTERED BY (If other than item 6) DCMA NAVAL SEA SYSTEMS OPERATIONS 3000 MIDLANTIC DRIVE SUITE 201 MOUNT LAUREL NJ 08054		CODE S3110A	
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) LOCKHEED MARTIN CORPORATION 199 BORTON LANDING RD MOORESTOWN NJ 08057-3064				9A. AMENDMENT OF SOLICITATION NO.			
				9B. DATED (SEE ITEM 11)			
				X 10A. MOD. OF CONTRACT/ORDER NO. HQ0276-10-C-0004			
				X 10B. DATED (SEE ITEM 13) 01-Oct-2009			
CODE 02769		FACILITY CODE					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required) See Schedule							
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.							
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.							
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).							
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:							
X D. OTHER (Specify type of modification and authority) Mutual Agreement of the Parties							
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return <u>1</u> copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Modification Control Number: (b)(4) The purpose of this modification is to: 1) update the "Technical/Schedule Performance Incentive Fee" table in Section B to show the fee earned (b)(4) for the successful completion of the first milestone event (IBR) for CLIN 0013; 2) obligate funds in the amount of (b)(4) CLIN 0011 - (b)(4) and CLIN 0013 - (b)(4) ; 3) incorporate the Contracting Officer's Technical Representative contact information into paragraph G-01, Contract Administration; 4) update Allotment of Funds table in paragraph G-06; and 5) delete several provisions from Section I.							
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print) (b)(6) , Contract Manager LOCKHEED MARTIN CORPORATION				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) (b)(6) TEL: (b)(6) EMAIL: (b)(6)			
15B. CONTRACTOR/OFFEROR (b)(6) (Signature of person authorized to sign)		15C. DATE SIGNED 05 FEB 2010		16B. UNITED STATES OF AMERICA (b)(6) BY (Signature of Contracting Officer)		16C. DATE SIGNED 08 Feb 2010	

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION B - SUPPLIES OR SERVICES AND PRICES

The following have been modified:

TECHNICAL/SCHEDULE PERF I/F

TECHNICAL/SCHEDULE PERFORMANCE INCENTIVE FEE

The total available Technical/Schedule Performance Incentive Fee for CLINs 0003 (Option), 0006, 0013, and 0019, as outlined in the table below are subject to the limitations and protections of FAR 52.232-22 Limitation of Funds, and will be incrementally funded.

If the contractor successfully achieves the mandated milestone event, as defined in Attachments J-4 and J-8 to this contract, by the due date specified, the Contracting Officer will provide the Technical/Schedule Performance Incentive Fee associated with that milestone event. To ensure timely payment, the contractor shall provide written notification to the Contracting Officer of the scheduled date(s) for Technical/Schedule Milestone Events at least thirty (30) days in advance. The Contracting Officer will authorize the contractor to bill for Technical/Schedule Performance Incentive Fee earned for the milestone event in question via electronic transmission within 15 days after the due date.

The Government is under NO obligation to roll over unearned Technical/Schedule Performance Incentive Fee, however, it hereby reserves the right to unilaterally roll over some or all of the unearned fee to later evaluation periods.

The Contracting Officer, in consultation with the Aegis BMD Program Director, is the Determining Official with regard to Technical/Schedule Performance Incentive Fee. The Fee Determining Official for all other Award Fees is MDA/D. Determinations of the Contracting Officer with respect to the payment of Technical/Schedule Performance Incentive Fee to the contractor and the rolling over of any unearned fee are final, unilateral decisions made solely at the discretion of the Contracting Officer.

If the contractor anticipates it will or actually does fail to meet a stated milestone as outlined in Attachment J-4, it shall promptly notify the Contracting Officer in writing explaining the root cause and as applicable, request relief in accordance with FAR 52.249-14, Excusable Delays.

Milestone Event	Potential Incentive Fee	Earned Fee
CLIN 0001- BMD 4.0.1 (Option)	CLIN 0003 (Option) (Note A)	
Conduct FTM-16	(b)(4)	
Complete CPAP		
Integrated Baseline Review (IBR)		
Complete Certification		
Conduct FTM-17		
FY11 CG Installation Complete		
CLIN 0004 – BMD 5.0	CLIN 0006	
IBR	(b)(4)	
IPR #4		
IPR #5		
Complete System Demonstration		

DDG-53 Installation Complete	(b)(4)	
Complete CPAP		
Complete Certification		
Additional ECS "Assess To" Threat into Compliance in Cert Load (See Note B) (Threat #1)		
Additional ECS "Assess To" Threat into Compliance in Cert Load (See Note B) (Threat #2)		
CLIN 0011 – MMSP	CLIN 0013	
IBR	(b)(4)	(b)(4)
Multi-Mission Exercise		
Production Readiness Review		
D(V) Performance Demo		
CLIN 0017 – BMD 5.1	CLIN 0019	
System Requirements Review	(b)(4)	
System Design Review		

Note A: CLIN 0003 is an Option

Note B: CLIN 0006

a. If the Contractor delivers "In Compliance" capability in the Aegis BMD Baseline 5.0 Weapon System against the following Threats as subsequently verified and validated by FTMs and/or Ground Test Campaign(s), as defined in Attachments J-7 and J-8, the Contractor will receive a Technical/Schedule Performance Incentive Fee of X percent of the Estimated Cost of CLIN 0004 for each Threat:

Threat #1 _____ (to be selected from "Assess To" Threats listed in the Aegis BMD 5.0 Element Capability Specification)

Threat #2 _____ (to be selected from "Assess To" Threats listed in the Aegis BMD 5.0 Element Capability Specification)

b. The additional capability must be delivered without growth to the Estimated Cost of CLIN 0004 or delay to the schedule of the Aegis BMD Baseline 5.0 Weapons System per Attachment J-4 to this contract.

c. The Contractor must follow the established MDA/AB System Engineering Process, as defined in the MDA/AB System Engineering Management Plan (SEMP) and Attachments J-7 and J-8, in design, development and test including peer review of performance analyses and design trades to assure a robust design space and not "Point Solution(s)" for the delivered Weapons System.

d. Balanced Technical Performance Measures, as defined in Attachment J-7, must be established at the In Process Design Reviews and satisfied by the delivered Weapons System.

e. The Government encourages the Contractor as the Combat System Engineering Agent to suggest technical performance improvements to the Combat System (including the Weapons System and the SM-3 Missile) which might support the above additional "In Compliance" Weapons System capability, however, the Government can make no commitment to change the SM-3 missile to support the Contractor in earning the above Technical/Schedule Performance Incentive Fee(s).

SECTION G - CONTRACT ADMINISTRATION DATA

Accounting and Appropriation

Summary for the Payment Office

As a result of this modification, the total funded amount for this document was increased by (b)(4) from (b)(4) to (b)(4)

SUBCLIN 001101:

BS: 1701319 A5BI 253 SASWS 0 068342 2D 960510 K32320000010 (CIN N0002410MP106450001) was increased by (b)(4) from (b)(4) to (b)(4)

SUBCLIN 001301:

BS: 1701319 A5BI 253 SASWS 0 068342 2D 960510 K32320000010 (CIN N0002410MP106790001) was increased by (b)(4) from (b)(4) to (b)(4)

The following have been modified:

G-01 CONTRACT ADMINISTRATION (APR 2009)

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 point of contact for all contractual matters is:

Name: (b)(6)

Organizational Code: MDA/DACG

Telephone Number: (b)(6)

E-Mail Address: (b)(6)

b. CONTRACTING OFFICER'S REPRESENTATIVE

The Contracting Officer's Representative (COR) is not 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 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 or a COR 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 COR under this contract is:

Name: (b)(6)
 Organizational Code: MDA/AB
 Telephone Number: (b)(6)
 E-Mail Address: (b)(6)

c. CONTRACTING OFFICIAL FOR eSRS

FAR 52.219-9, Small Business Subcontracting Plan (April 2008) requires the use of the Electronic Subcontracting Reporting System (eSRS) for subcontract reporting. The contracting official for eSRS under this contract is:

Name: N/A
 Organizational Code:
 Telephone Number:
 E-Mail Address:

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

d. CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE

The Contracting Officer's Technical Representative (COTR) is not 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 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 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 COTR under this contract is:

Name: (b)(6)
 Organizational Code: MDA/AB
 Telephone Number: (b)(6)
 E-Mail Address: (b)(6)

G-06 ALLOTMENT OF FUNDS (MAY 2005)

Pursuant to FAR 52.232-22, "Limitation of Funds," the total amount of funds presently available for payment and allotted to this contract (which covers all items, including fee payable), and the estimated period of performance said funds cover, are as follow:

CLIN	SLIN	ACRN	Cost to LM	IF	AF	Performance Incentive	TOTAL
0004	000401	AA	(b)(4)				
	000402	AB					
	000403	AC					
	000404	BT					
Subtotal							

0005	000501	AD	(b)(4)
	000502	BU	
Subtotal			
0006	000601	AE	
	000602	AF	
	000603	BV	
Subtotal			
0011	001101	BS	
Subtotal			
0012	001201	BS	
Subtotal			
0013	001301	BS	
Subtotal			
0017	001701	AG	
	001702	BW	
Subtotal			
0018	001801	AH	
	001802	BX	
Subtotal			
0019	001901	AJ	
	001902	BY	
Subtotal			
0020	002001	AK	
	002002	AL	
Subtotal			
0021	002101	AM	
Subtotal			
0022	002201	AN	
	002202	AP	
	002203	BZ	
	002204	CA	
	002205	CB	
	002206	CC	
	002207	CD	
	002208	CM	
Subtotal			
0023	002301	AQ	
	002302	AR	
	002303	AS	
	002304	AT	
	002305	AU	
	002306	AV	
	002307	CG	
	002308	CK	
Subtotal			
0024	002401	AW	
	002402	CH	
	002403	CL	
Subtotal			
0025	002501	AX	
	002502	AY	
	002503	AZ	
	002504	BA	

	002505	BB	(b)(4)
	002506	BC	
	002507	BD	
	002508	CE	
Subtotal			
0026	002601	BE	
	002602	BF	
	002603	BG	
	002604	BH	
Subtotal			
0027	002701	BH	
	002702	BJ	
Subtotal			
0102	010201	BK	
	010202	BL	
	010203	BM	
	010204	BN	
	010205	BP	
	010206	BQ	
	010207	BR	
	010208	CF	
	010209	CJ	
Subtotal			
TOTAL			

SECTION I - CONTRACT CLAUSES

The following have been deleted:

52.225-8	Duty-Free Entry	FEB 2000
252.225-7031	Secondary Arab Boycott Of Israel	JUN 2005
252.227-7017	Identification and Assertion of Use, Release, or Disclosure Restrictions	JUN 1995
252.234-7001	Notice of Earned Value Management System	APR 2008

(End of Summary of Changes)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE V		PAGE OF PAGES 1 5	
2. AMENDMENT/MODIFICATION NO. P00008		3. EFFECTIVE DATE		4. REQUISITION/PURCHASE REQ. NO. SEE SCHEDULE		5. PROJECT NO. (If applicable)	
6. ISSUED BY MISSILE DEFENSE AGENCY (MDA) 1721 AVENUE D SUITE 180 DAHLGREN VA 22448-5154		CODE HQ0276		7. ADMINISTERED BY (If other than item 6) DCMA NAVAL SEA SYSTEMS OPERATIONS 3000 MIDLAND DRIVE SUITE 201 MOUNT LAUREL NJ 08054		CODE S3110A	
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) LOCKHEED MARTIN CORPORATION 199 BORTON LANDING RD MOORESTOWN NJ 08057-3054				9A. AMENDMENT OF SOLICITATION NO.			
				9B. DATED (SEE ITEM 11)			
				X 10A. MOD. OF CONTRACT/ORDER NO HQ0276-10-C-0001			
				X 10B. DATED (SEE ITEM 13) 01-Oct-2009			
CODE HQ2769		FACILITY CODE					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted, or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required) See Schedule							
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.							
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.							
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B)							
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:							
X D. OTHER (Specify type of modification and authority) Mutual Agreement of the Parties							
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return 1 copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Modification Control Number: (b)(4) The purpose of this modification is to obligate funds in the amount of (b)(4) for CLINs 0017/0018/0019 (b)(4) 0023/0024 (b)(4) and 0025 (b)(4) and incorporate revision 1 to the DD 254							
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print) (b)(6) CONTRACT MANAGER LOCKHEED MARTIN CORPORATION				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) (b)(6) TEL (b)(6) EMAIL (b)(6)			
15B. CONTRACTOR/OFFEROR (b)(6) (Signature of person authorized to sign)		15C. DATE SIGNED 17 FEB 2010		16B. UNITED STATES OF AMERICA (b)(6) BY _____ (Signature of Contracting Officer)		16C. DATE SIGNED 18 Feb 2010	

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION B - SUPPLIES OR SERVICES AND PRICES

SUBCLIN 002509 is added as follows:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
002509	Incremental Funding for CLIN 0025 CPAF FOB: Destination PURCHASE REQUEST NUMBER: AB9JLD02990				\$0.00
	ACRN CN CTN: AB9JLD029900001				(b)(4)

SECTION G - CONTRACT ADMINISTRATION DATA

Accounting and Appropriation

Summary for the Payment Office

As a result of this modification, the total funded amount for this document was increased by (b)(4)
from (b)(4) to (b)(6)

SUBCLIN 001702:

BW: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0W109I0C0458 020341 (CIN AB9RAB004580001) was increased by (b)(4) from (b)(4) to (b)(4)

SUBCLIN 001802:

BX: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0W109I0C0615 020341 (CIN AB9RAB006150001) was increased by (b)(4) from (b)(4) to (b)(4)

SUBCLIN 001902:

BY: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0W109I0C0618 020341 (CIN AB9RAB006180001) was increased by (b)(4) from (b)(4) to (b)(4)

SUBCLIN 002308:

CK: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109C5C1805 020224 (CIN AB9SEG018050001) was increased by (b)(4) from (b)(4) to (b)(4)

SUBCLIN 002403:

CL: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109C5C1807 020224 (CIN AB9SEG018070001) was increased by (b)(4) from (b)(4) to (b)(4)

SUBCLIN 002509:

Funding on SUBCLIN 002509 is initiated as follows:

ACRN: CN

CIN: AB9JLD029900001

Acctng Data: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109A9C2990 021096

Increase: (b)(4)

Total: (b)(4)

The following have been modified:

G-06 ALLOTMENT OF FUNDS (MAY 2005)

Pursuant to FAR 52.232-22, "Limitation of Funds," the total amount of funds presently available for payment and allotted to this contract (which covers all items, including fee payable), and the estimated period of performance said funds cover, are as follow:

CLIN	SLIN	ACRN	Cost to LM	IF	AF	Performance Incentive	TOTAL
0004	000401	AA	(b)(4)				
	000402	AB					
	000403	AC					
	000404	BT					
Subtotal							
0005	000501	AD					
	000502	BU					
Subtotal							
0006	000601	AE					
	000602	AF					
	000603	BV					
Subtotal							
0011	001101	BS					
Subtotal							
0012	001201	BS					
Subtotal							
0013	001301	BS					
Subtotal							
0017	001701	AG					
	001702	BW					
Subtotal							
0018	001801	AH					
	001802	BX					
Subtotal							
0019	001901	AJ					
	001902	BY					

Subtotal		
0020	002001	AK
	002002	AL
Subtotal		
0021	002101	AM
Subtotal		
0022	002201	AN
	002202	AP
	002203	BZ
	002204	CA
	002205	CB
	002206	CC
	002207	CD
	002208	CM
Subtotal		
0023	002301	AQ
	002302	AR
	002303	AS
	002304	AT
	002305	AU
	002306	AV
	002307	CG
	002308	CK
Subtotal		
0024	002401	AW
	002402	CH
	002403	CL
Subtotal		
0025	002501	AX
	002502	AY
	002503	AZ
	002504	BA
	002505	BB
	002506	BC
	002507	BD
	002508	CE
	002509	CN
Subtotal		
0026	002601	BE
	002602	BF
	002603	BG
	002604	BH
Subtotal		
0027	002701	BH
	002702	BJ
Subtotal		
0102	010201	BK
	010202	BL
	010203	BM
	010204	BN
	010205	BP
	010206	BQ
	010207	BR

(b)(4)

	010208	CF	(b)(4)
	010209	CJ	
Subtotal			
TOTAL			

ATTACHMENT J-2 – DD 254

This modification incorporates revision 1 to Attachment J-2, DD 254, of the contract. (b)(4)

(b)(4)

Except as provided herein, all other terms and conditions of the contract remain unchanged and in full force and effect.

(End of Summary of Changes)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE V		PAGE OF PAGES 1 4	
2. AMENDMENT/MODIFICATION NO. P00009		3. EFFECTIVE DATE 19-Feb-2010		4. REQUISITION/PURCHASE REQ. NO. SEE SCHEDULE		5. PROJECT NO.(If applicable)	
6. ISSUED BY MISSILE DEFENSE AGENCY (MDA) 17211 AVENUE D SUITE 160 DAHLGREN VA 22448-5154		CODE HQ0276		7. ADMINISTERED BY (If other than item 6) DCMA NAVAL SEA SYSTEMS OPERATIONS 3000 MIDLANTIC DRIVE SUITE 201 MOUNT LAUREL NJ 08054		CODE S3110A	
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) LOCKHEED MARTIN CORPORATION 199 BORTON LANDING RD MOORESTOWN NJ 08057-3054				9A. AMENDMENT OF SOLICITATION NO.			
				9B. DATED (SEE ITEM 11)			
				X 10A. MOD. OF CONTRACT/ORDER NO. HQ0276-10-C-0001			
				X 10B. DATED (SEE ITEM 13) 01-Oct-2009			
CODE 02769		FACILITY CODE					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required) See Schedule							
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.							
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.							
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).							
X C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: FAR Clause 52.232-22, Limitation of Funds							
D. OTHER (Specify type of modification and authority)							
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Modification Control Number: (b)(4) The purpose of this modification is to obligate funds in the amount of (b)(4) to CLINs 0004/0005/0006.							
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) (b)(6)			
				TEL: (b)(6) EMAIL: (b)(6)			
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA (b)(6) BY		16C. DATE SIGNED 19-Feb-2010	
				(Signature of Contracting Officer)			

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION G - CONTRACT ADMINISTRATION DATA

Accounting and Appropriation

Summary for the Payment Office

As a result of this modification, the total funded amount for this document was increased by (b)(4) from (b)(4) to (b)(4)

SUBCLIN 000404:

BT: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109A0C0487 020329 (CIN AB9JMM004870001) was increased by (b)(4) from (b)(4) to (b)(4)

SUBCLIN 000502:

BU: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109A0C0762 020329 (CIN AB9JMM007620001) was increased by (b)(4) from (b)(4) to (b)(4)

SUBCLIN 000603:

BV: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109A0C0764 020329 (CIN AB9JMM007640001) was increased by (b)(4) from (b)(4) to (b)(4)

The following have been modified:

G-06 ALLOTMENT OF FUNDS (MAY 2005)

Pursuant to FAR 52.232-22, "Limitation of Funds," the total amount of funds presently available for payment and allotted to this contract (which covers all items, including fee payable), and the estimated period of performance said funds cover, are as follow:

CLIN	SLIN	ACRN	Cost to LM	IF	AF	Performance Incentive	TOTAL
0004	000401	AA	(b)(4)				
	000402	AB					
	000403	AC					
	000404	BT					
Subtotal							
0005	000501	AD					
	000502	BU					
Subtotal							
0006	000601	AE					
	000602	AF					
	000603	BV					
Subtotal							
0011	001101	BS					

Subtotal			(b)(4)
0012	001201	BS	
Subtotal			
0013	001301	BS	
Subtotal			
0017	001701	AG	
	001702	BW	
Subtotal			
0018	001801	AH	
	001802	BX	
Subtotal			
0019	001901	AJ	
	001902	BY	
Subtotal			
0020	002001	AK	
	002002	AL	
Subtotal			
0021	002101	AM	
Subtotal			
0022	002201	AN	
	002202	AP	
	002203	BZ	
	002204	CA	
	002205	CB	
	002206	CC	
	002207	CD	
	002208	CM	
Subtotal			
0023	002301	AQ	
	002302	AR	
	002303	AS	
	002304	AT	
	002305	AU	
	002306	AV	
	002307	CG	
	002308	CK	
Subtotal			
0024	002401	AW	
	002402	CH	
	002403	CL	
Subtotal			
0025	002501	AX	
	002502	AY	
	002503	AZ	
	002504	BA	
	002505	BB	
	002506	BC	
	002507	BD	
	002508	CE	
	002509		
Subtotal			
0026	002601	BE	
	002602	BF	

	002603	BG	(b)(4)
	002604	BH	
Subtotal			
0027	002701	BH	
	002702	BJ	
Subtotal			
0102	010201	BK	
	010202	BL	
	010203	BM	
	010204	BN	
	010205	BP	
	010206	BQ	
	010207	BR	
	010208	CF	
	010209	CJ	
Subtotal			
TOTAL			

(End of Summary of Changes)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE V	PAGE OF PAGES 1 4
2. AMENDMENT/MODIFICATION NO. P00010		3. EFFECTIVE DATE 22-Feb-2010	4. REQUISITION/PURCHASE REQ. NO. SEE SCHEDULE		5. PROJECT NO.(If applicable)
6. ISSUED BY MISSILE DEFENSE AGENCY (MDA) 17211 AVENUE D SUITE 160 DAHLGREN VA 22448-5154		CODE HQ0276	7. ADMINISTERED BY (If other than item 6) DCMA NAVAL SEA SYSTEMS OPERATIONS 3000 MIDLANTIC DRIVE SUITE 201 MOUNT LAUREL NJ 08054		CODE S3110A
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) LOCKHEED MARTIN CORPORATION 199 BORTON LANDING RD MOORESTOWN NJ 08057-3054			9A. AMENDMENT OF SOLICITATION NO.		
			9B. DATED (SEE ITEM 11)		
			X 10A. MOD. OF CONTRACT/ORDER NO. HQ0276-10-C-0001		
			X 10B. DATED (SEE ITEM 13) 01-Oct-2009		
CODE 02769		FACILITY CODE			
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS					
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.					
12. ACCOUNTING AND APPROPRIATION DATA (If required) See Schedule					
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.					
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.					
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).					
X C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: FAR Clause 52.232-22, Limitation of Funds					
D. OTHER (Specify type of modification and authority)					
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.					
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Modification Control Number: (b)(4) The purpose of this modification is to provide incremental funding in the amount of (b)(6) for CLIN 0102.					
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.					
15A. NAME AND TITLE OF SIGNER (Type or print)			16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)		
			(b)(4) CONTRACTING OFFICER		
			TEL: (b)(4) EMAIL: (b)(4)		
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA		16C. DATE SIGNED	
_____ (Signature of person authorized to sign)		BY (b)(4) (Signature of Contracting Officer)		22-Feb-2010	

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION G - CONTRACT ADMINISTRATION DATA

Accounting and Appropriation

Summary for the Payment Office

As a result of this modification, the total funded amount for this document was increased by (b)(4) from (b)(4) to (b)(4)

SUBCLIN 010201:

BK: 97-11X8242 80JU 252 4Q452 0 068342 2D CCXT04 E4475 ESS 104Z (CIN N0002408MP502870001) was increased by (b)(4) from (b)(4) to (b)(4)

The following have been modified:

G-06 ALLOTMENT OF FUNDS (MAY 2005)

Pursuant to FAR 52.232-22, "Limitation of Funds," the total amount of funds presently available for payment and allotted to this contract (which covers all items, including fee payable), and the estimated period of performance said funds cover, are as follow:

CLIN	SLIN	ACRN	Cost to LM	IF	AF	Performance Incentive	TOTAL
0004	000401	AA	(b)(4)				
	000402	AB					
	000403	AC					
	000404	BT					
Subtotal							
0005	000501	AD					
	000502	BU					
Subtotal							
0006	000601	AE					
	000602	AF					
	000603	BV					
Subtotal							
0011	001101	BS					
Subtotal							
0012	001201	BS					
Subtotal							
0013	001301	BS					
Subtotal							
0017	001701	AG					
	001702	BW					
Subtotal							
0018	001801	AH					
	001802	BX					

Subtotal			(b)(4)
0019	001901	AJ	
	001902	BY	
Subtotal			
0020	002001	AK	
	002002	AL	
Subtotal			
0021	002101	AM	
Subtotal			
0022	002201	AN	
	002202	AP	
	002203	BZ	
	002204	CA	
	002205	CB	
	002206	CC	
	002207	CD	
	002208	CM	
Subtotal			
0023	002301	AQ	
	002302	AR	
	002303	AS	
	002304	AT	
	002305	AU	
	002306	AV	
	002307	CG	
	002308	CK	
Subtotal			
0024	002401	AW	
	002402	CH	
	002403	CL	
Subtotal			
0025	002501	AX	
	002502	AY	
	002503	AZ	
	002504	BA	
	002505	BB	
	002506	BC	
	002507	BD	
	002508	CE	
	002509		
Subtotal			
0026	002601	BE	
	002602	BF	
	002603	BG	
	002604	BH	
Subtotal			
0027	002701	BH	
	002702	BJ	
Subtotal			
0102	010201	BK	
	010202	BL	
	010203	BM	
	010204	BN	

	010205	BP	(b)(4)
	010206	BQ	
	010207	BR	
	010208	CF	
	010209	CJ	
Subtotal			
TOTAL			

(End of Summary of Changes)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE V		PAGE OF PAGES 1 6	
2. AMENDMENT/MODIFICATION NO. P00011		3. EFFECTIVE DATE 25-Feb-2010		4. REQUISITION/PURCHASE REQ. NO. SEE SCHEDULE		5. PROJECT NO.(If applicable)	
6. ISSUED BY MISSILE DEFENSE AGENCY (MDA) 17211 AVENUE D SUITE 160 DAHLGREN VA 22448-5154		CODE HQ0276		7. ADMINISTERED BY (If other than item 6) DCMA NAVAL SEA SYSTEMS OPERATIONS 3000 MIDLANTIC DRIVE SUITE 201 MOUNT LAUREL NJ 08054		CODE S3110A	
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) LOCKHEED MARTIN CORPORATION 199 BORTON LANDING RD MOORESTOWN NJ 08057-3054				9A. AMENDMENT OF SOLICITATION NO.			
				9B. DATED (SEE ITEM 11)			
				X 10A. MOD. OF CONTRACT/ORDER NO. HQ0276-10-C-0001			
				X 10B. DATED (SEE ITEM 13) 01-Oct-2009			
CODE 02769		FACILITY CODE					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required) See Schedule							
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.							
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.							
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).							
X C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: FAR Clause 52.232-22, Limitation of Funds							
D. OTHER (Specify type of modification and authority)							
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Modification Control Number: (b)(4) The purpose of this modification is to obligate funds in the amount of (b)(4) for CLINs 0004/0005/0006 (b)(4) , 0022 (b)(4) and 0023/0024 (b)(4)							
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) (b)(6)			
				TEL: (b)(6) EMAIL: (b)(6)			
15B. CONTRACTOR/OFFEROR _____ (Signature of person authorized to sign)		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA (b)(6) BY _____ (Signature of Contracting Officer)		16C. DATE SIGNED 25-Feb-2010	

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION B - SUPPLIES OR SERVICES AND PRICES

SUBCLIN 000405 is added as follows:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
000405	Incremental Funding for CLIN 0004 CPIF FOB: Destination PURCHASE REQUEST NUMBER: AB9AS901364 ACRN CP CIN: AB9AS9013640001				\$0.00

(b)(4)

SUBCLIN 000503 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000503	Incremental Funding for CLIN 0005 ACRN CQ PURCHASE REQUEST NUMBER: AB9AS902407	

(b)(4)

SUBCLIN 000604 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000604	Incremental Funding for CLIN 0006 ACRN CR PURCHASE REQUEST NUMBER: AB9AS902416	

(b)(4)

SUBCLIN 002209 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
002209	Incremental Funding for CLIN 0022	
	ACRN CS	(b)(4)
	PURCHASE REQUEST NUMBER: AB9SEG97485	

SECTION G - CONTRACT ADMINISTRATION DATA

Accounting and Appropriation

Summary for the Payment Office

As a result of this modification, the total funded amount for this document was increased by (b)(4) from (b)(4) to (b)(4)

SUBCLIN 000405:

Funding on SUBCLIN 000405 is initiated as follows:

ACRN: CP

CIN: AB9AS9013640001

Acctng Data: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0W109C4C1364 021333

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 000503:

Funding on SUBCLIN 000503 is initiated as follows:

ACRN: CQ

CIN: AB9AS9024070001

Acctng Data: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0W109C4C2407 021333

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 000604:

Funding on SUBCLIN 000604 is initiated as follows:

ACRN: CR

CIN: AB9AS9024160001

Acctng Data: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0W109C4C2416 021333

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 002204:

CA: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109C6C0757 020225 (CIN AB9SEG007570001) was increased by (b)(4) from (b)(4) to (b)(4)

SUBCLIN 002205:

CB: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0X309G0C0780 020359 (CIN AB9SEG007800001) was increased by (b)(4) from (b)(4) to (b)(4)

SUBCLIN 002209:

Funding on SUBCLIN 002209 is initiated as follows:

ACRN: CS

CIN: AB9SEG974850001

Acctng Data: 9790400.2520 09 BM 2520 40603892C00 255Y S12135 MD9E109B8C7485 920853

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 002307:

CG: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109C4C0556 020673 (CIN AB9AS9005560001) was increased by (b)(4) from (b)(4) to (b)(4)

SUBCLIN 002402:

CH: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109C4C0839 020673 (CIN AB9AS9008390001) was increased by (b)(4) from (b)(4) to (b)(4)

The following have been modified:

G-06 ALLOTMENT OF FUNDS (MAY 2005)

Pursuant to FAR 52.232-22, "Limitation of Funds," the total amount of funds presently available for payment and allotted to this contract (which covers all items, including fee payable), and the estimated period of performance said funds cover, are as follow:

CLIN	SLIN	ACRN	Cost to LM	IF	AF	Performance Incentive	TOTAL
0004	000401	AA	(b)(4)				
	000402	AB					
	000403	AC					
	000404	BT					
	000405	CP					
Subtotal							
0005	000501	AD					

	000502	BU	(b)(4)
	000503	CQ	
Subtotal			
0006	000601	AE	
	000602	AF	
	000603	BV	
	000604	CR	
Subtotal			
0011	001101	BS	
Subtotal			
0012	001201	BS	
Subtotal			
0013	001301	BS	
Subtotal			
0017	001701	AG	
	001702	BW	
Subtotal			
0018	001801	AH	
	001802	BX	
Subtotal			
0019	001901	AJ	
	001902	BY	
Subtotal			
0020	002001	AK	
	002002	AL	
Subtotal			
0021	002101	AM	
Subtotal			
0022	002201	AN	
	002202	AP	
	002203	BZ	
	002204	CA	
	002205	CB	
	002206	CC	
	002207	CD	
	002208	CM	
	002209	CS	
Subtotal			
0023	002301	AQ	
	002302	AR	
	002303	AS	
	002304	AT	
	002305	AU	
	002306	AV	
	002307	CG	
	002308	CK	
Subtotal			
0024	002401	AW	
	002402	CH	
	002403	CL	
Subtotal			
0025	002501	AX	
	002502	AY	

	002503	AZ
	002504	BA
	002505	BB
	002506	BC
	002507	BD
	002508	CE
	002509	
Subtotal		
0026	002601	BE
	002602	BF
	002603	BG
	002604	BH
Subtotal		
0027	002701	BH
	002702	BJ
Subtotal		
0102	010201	BK
	010202	BL
	010203	BM
	010204	BN
	010205	BP
	010206	BQ
	010207	BR
	010208	CF
	010209	CJ
Subtotal		
TOTAL		

(b)(4)

(End of Summary of Changes)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE V		PAGE OF PAGES 1 5	
2. AMENDMENT/MODIFICATION NO. F00012		3. EFFECTIVE DATE 26-Feb-2010		4. REQUISITION/PURCHASE REQ. NO. SEE SCHEDULE		5. PROJECT NO.(If applicable)	
6. ISSUED BY MISSILE DEFENSE AGENCY (MDA) 17211 AVENUE D SUITE 160 DAHLGREN VA 22448-5154		CODE HQ0276		7. ADMINISTERED BY (If other than item 6) DCMA NAVAL SEA SYSTEMS OPERATIONS 3000 MIDLANTIC DRIVE SUITE 201 MOUNT LAUREL NJ 08054		CODE S3110A	
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) LOCKHEED MARTIN CORPORATION 199 BORTON LANDING RD MOORESTOWN NJ 08057-3054				9A. AMENDMENT OF SOLICITATION NO.			
				9B. DATED (SEE ITEM 11)			
				X 10A. MOD. OF CONTRACT/ORDER NO. HQ0276-10-C-0001			
				X 10B. DATED (SEE ITEM 13) 01-Oct-2009			
CODE 02769		FACILITY CODE					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required) See Schedule							
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.							
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.							
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).							
X C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: FAR Clause 52.232-22, Limitation of Funds							
D. OTHER (Specify type of modification and authority)							
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Modification Control Number: (b)(4) The purpose of this modification is to obligate funds in the amount of (b)(4) (CLINs 0022 - (b)(4) and 0102 - (b)(4) This modification also revises the Allotment of Funds table in Section G to reflect the increase to CLINs 0022 and 0102 and revises the distribution between cost and award fee for CLIN 0102.							
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) (b)(6)			
				TEL: (b)(6) EMAIL: (b)(6)			
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA (b)(6) BY _____ (Signature of Contracting Officer)		16C. DATE SIGNED 26-Feb-2010	

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION B - SUPPLIES OR SERVICES AND PRICES

SUBCLIN 002210 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
002210	Incremental Funding for CLIN 0022	
	ACRN CT	(b)(4)
	PURCHASE REQUEST NUMBER: AB9SEG97713	

SUBCLIN 002211 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
002211	Incremental Funding for CLIN 0022	
	ACRN CU	(b)(4)
	PURCHASE REQUEST NUMBER: AB9SEG97714	

SECTION G - CONTRACT ADMINISTRATION DATA

Accounting and Appropriation

Summary for the Payment Office

As a result of this modification, the total funded amount for this document was increased by (b)(4)
from (b)(4) to (b)(4)

SUBCLIN 002210:

Funding on SUBCLIN 002210 is initiated as follows:

ACRN: CT

CIN: AB9SEG977130001

Acctng Data: 9790400.2520 09 BM 2520 40603888C00 255Y S12135 MD9A104B1C7713 920864

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 002211:

Funding on SUBCLIN 002211 is initiated as follows:

ACRN: CU

CIN: AB9SEG977140001

Acctng Data: 9790400.2520 09 BM 2520 40603892C00 255Y S12135 MD9E109B8C7714 920853

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 010209:

CJ: 97-11X8242 2862 252 74622 0 065916 2D PIA A44 825480090CAN (CIN N0002410MP601220001) was increased by (b)(4) from (b)(4) to (b)(4)

The following have been modified:

G-06 ALLOTMENT OF FUNDS (MAY 2005)

Pursuant to FAR 52.232-22, "Limitation of Funds," the total amount of funds presently available for payment and allotted to this contract (which covers all items, including fee payable), and the estimated period of performance said funds cover, are as follow:

CLIN	SLIN	ACRN	Cost to LM	IF	AF	Performance Incentive	TOTAL
0004	000401	AA	(b)(4)				
	000402	AB					
	000403	AC					
	000404	BT					
	000405	CP					
Subtotal							
0005	000501	AD					
	000502	BU					
	000503	CQ					
Subtotal							
0006	000601	AE					
	000602	AF					
	000603	BV					
	000604	CR					
Subtotal							
0011	001101	BS					
Subtotal							
0012	001201	BS					
Subtotal							
0013	001301	BS					
Subtotal							
0017	001701	AG					
	001702	BW					
Subtotal							

0018	001801	AH	(b)(4)
	001802	BX	
Subtotal			
0019	001901	AJ	
	001902	BY	
Subtotal			
0020	002001	AK	
	002002	AL	
Subtotal			
0021	002101	AM	
Subtotal			
0022	002201	AN	
	002202	AP	
	002203	BZ	
	002204	CA	
	002205	CB	
	002206	CC	
	002207	CD	
	002208	CM	
	002209	CS	
	002210	CT	
	002211	CU	
Subtotal			
0023	002301	AQ	
	002302	AR	
	002303	AS	
	002304	AT	
	002305	AU	
	002306	AV	
	002307	CG	
	002308	CK	
Subtotal			
0024	002401	AW	
	002402	CH	
	002403	CL	
Subtotal			
0025	002501	AX	
	002502	AY	
	002503	AZ	
	002504	BA	
	002505	BB	
	002506	BC	
	002507	BD	
	002508	CE	
	002509		
Subtotal			
0026	002601	BE	
	002602	BF	
	002603	BG	
	002604	BH	
Subtotal			
0027	002701	BH	
	002702	BJ	

Subtotal		
0102	010201	BK
	010202	BL
	010203	BM
	010204	BN
	010205	BP
	010206	BQ
	010207	BR
	010208	CF
	010209	CJ
Subtotal		
TOTAL		

(b)(4)

(End of Summary of Changes)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE V		PAGE OF PAGES 1 9	
2. AMENDMENT/MODIFICATION NO. P00013		3. EFFECTIVE DATE 26-Mar-2010		4. REQUISITION/PURCHASE REQ. NO. SEE SCHEDULE		5. PROJECT NO.(If applicable)	
6. ISSUED BY MISSILE DEFENSE AGENCY (MDA) 17211 AVENUE D SUITE 160 DAHLGREN VA 22448-5154		CODE HQ0276		7. ADMINISTERED BY (If other than item 6) DCMA NAVAL SEA SYSTEMS OPERATIONS 3000 MIDLANTIC DRIVE SUITE 201 MOUNT LAUREL NJ 08054		CODE S3110A	
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) LOCKHEED MARTIN CORPORATION 199 BORTON LANDING RD MOORESTOWN NJ 08057-3054				9A. AMENDMENT OF SOLICITATION NO.			
				9B. DATED (SEE ITEM 11)			
				X 10A. MOD. OF CONTRACT/ORDER NO. HQ0276-10-C-0001			
				X 10B. DATED (SEE ITEM 13) 01-Oct-2009			
CODE 02769		FACILITY CODE					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required) See Schedule							
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.							
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.							
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).							
X C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: FAR Clause 52.232-22, Limitation of Funds							
D. OTHER (Specify type of modification and authority)							
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Modification Control Number: (b)(4) The purpose of this modification is to: 1) obligate funding in the amount of (b)(4) (CLIN 0020 - (b)(4) CLIN 0022 - (b)(4) CLIN 0025 - (b)(4) and CLIN 0102 - (b)(4) ; 2) update the COR/COTR contact information in paragraph G-01, Contract Administration; and 3) update the Allotment of Funds table in paragraph G-06.							
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) (b)(6)			
				TEL: (b)(6) EMAIL: (b)(6)			
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA BY (b)(6) (Signature of Contracting Officer)		16C. DATE SIGNED 26-Mar-2010	

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION B - SUPPLIES OR SERVICES AND PRICES

SUBCLIN 002003 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
002003	Funding for CLIN 0020	
	ACRN CX	(b)(4)
	PURCHASE REQUEST NUMBER: AB9RAB04001	

SUBCLIN 002004 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
002004	Funding for CLIN 0020	
	ACRN CZ	(b)(4)
	PURCHASE REQUEST NUMBER: AB9RAB04003	

SUBCLIN 002102 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
002102	Funding for CLIN 0021	
	ACRN CY	(b)(4)
	PURCHASE REQUEST NUMBER: AB9RAB04002	

SUBCLIN 002103 is added as follows:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
002103	Funding for CLIN 0021				\$0.00
	CPAF				
	FOB: Destination				
	PURCHASE REQUEST NUMBER: AB9RAB04005				
	ACRN DA				(b)(4)
	CIN: AB9RAB040050001				

SUBCLIN 002212 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
002212	Incremental Funding for CLIN 0022	
	ACRN CV	(b)(4)
	PURCHASE REQUEST NUMBER: AB9MAO02993	

SUBCLIN 002510 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
002510	Incremental Funding for CLIN 0025	
	ACRN CW	(b)(4)
	PURCHASE REQUEST NUMBER: AB9YLC03683	

SECTION G - CONTRACT ADMINISTRATION DATA

Accounting and Appropriation

Summary for the Payment Office

As a result of this modification, the total funded amount for this document was increased by (b)(4) from (b)(4) to (b)(4)

SUBCLIN 002003:

Funding on SUBCLIN 002003 is initiated as follows:

ACRN: CX

CIN: AB9RAB040010001

Acctng Data: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0X309D0C4001 020357

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 002004:

Funding on SUBCLIN 002004 is initiated as follows:

ACRN: CZ

CIN: AB9RAB040030001

Acctng Data: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0X309D0C4003 020357

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 002102:

Funding on SUBCLIN 002102 is initiated as follows:

ACRN: CY

CIN: AB9RAB040020001

Acctng Data: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0X309D0C4002 020357

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 002103:

Funding on SUBCLIN 002103 is initiated as follows:

ACRN: DA

CIN: AB9RAB040050001

Acctng Data: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0X309D0C4005 020357

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 002212:

Funding on SUBCLIN 002212 is initiated as follows:

ACRN: CV

CIN: AB9MAO029930001

Acctng Data: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109B1C2993 020503

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 002510:

Funding on SUBCLIN 002510 is initiated as follows:

ACRN: CW

CIN: AB9YLC036830001

Acctng Data: 9700400.2520 10 BM 2520 40604881C00 255Y S12135 MD0W109W0C3683 021031

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 010203:

BM: 97-11X8242 8LJU 252 40452 0 068342 2D CCXT01 W44GBESS101Z (CIN N0002408MP508600001)
was increased by (b)(4) from (b)(4) to (b)(4)

The following have been modified:

G-01 CONTRACT ADMINISTRATION (APR 2009)

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 point of contact for all contractual matters is:

Name: (b)(6)
Organizational Code: MDA/DACG
Telephone Number: (b)(6)
E-Mail Address: (b)(6)

b. CONTRACTING OFFICER'S REPRESENTATIVE

The Contracting Officer's Representative (COR) is not 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 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 or a COR 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 COR under this contract is:

Name: (b)(6)
Organizational Code: MDA/AB
Telephone Number: (b)(6)
E-Mail Address: (b)(6)

c. CONTRACTING OFFICIAL FOR eSRS

FAR 52.219-9, Small Business Subcontracting Plan (April 2008) requires the use of the Electronic Subcontracting Reporting System (eSRS) for subcontract reporting. The contracting official for eSRS under this contract is:

Name: N/A
Organizational Code:
Telephone Number:
E-Mail Address:

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

d. CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE

The Contracting Officer's Technical Representative (COTR) is not 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 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 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 COTR under this contract is:

Name: (b)(6)
Organizational Code: MDA/AB
Telephone Number: (b)(6)
E-Mail Address: (b)(6)

The Alternate COTR under this contract is:

Name: (b)(6)
Organizational Code: MDA/AB
Telephone Number: (b)(6)
E-Mail Address: (b)(6)

The COTR for CLIN 0102 (Aegis BMD International Support) is:

Name: (b)(6)
Organizational Code: MDA/AB
Telephone Number: (b)(6)

E-Mail Address: (b)(6)

G-06 ALLOTMENT OF FUNDS (MAY 2005)

Pursuant to FAR 52.232-22, "Limitation of Funds," the total amount of funds presently available for payment and allotted to this contract (which covers all items, including fee payable), and the estimated period of performance said funds cover, are as follow:

CLIN	SLIN	ACRN	Cost to LM	IF	AF	Performance Incentive	TOTAL
0004	000401	AA	(b)(4)				
	000402	AB					
	000403	AC					
	000404	BT					
	000405	CP					
Subtotal							
0005	000501	AD					
	000502	BU					
	000503	CQ					
Subtotal							
0006	000601	AE					
	000602	AF					
	000603	BV					
	000604	CR					
Subtotal							
0011	001101	BS					
Subtotal							
0012	001201	BS					
Subtotal							
0013	001301	BS					
Subtotal							
0017	001701	AG					
	001702	BW					
Subtotal							
0018	001801	AH					
	001802	BX					
Subtotal							
0019	001901	AJ					
	001902	BY					
Subtotal							
0020	002001	AK					
	002002	AL					
	002003	CX					
	002004	CZ					
Subtotal							
0021	002101	AM					
	002102	CY					
	002103	DA					
Subtotal							
0022	002201	AN					

	002202	AP
	002203	BZ
	002204	CA
	002205	CB
	002206	CC
	002207	CD
	002208	CM
	002209	CS
	002210	CT
	002211	CU
	002212	CV
Subtotal		
0023	002301	AQ
	002302	AR
	002303	AS
	002304	AT
	002305	AU
	002306	AV
	002307	CG
	002308	CK
Subtotal		
0024	002401	AW
	002402	CH
	002403	CL
Subtotal		
0025	002501	AX
	002502	AY
	002503	AZ
	002504	BA
	002505	BB
	002506	BC
	002507	BD
	002508	CE
	002509	CN
	002510	CW
Subtotal		
0026	002601	BE
	002602	BF
	002603	BG
	002604	BH
Subtotal		
0027	002701	BH
	002702	BJ
Subtotal		
0102	010201	BK
	010202	BL
	010203	BM
	010204	BN
	010205	BP
	010206	BQ
	010207	BR
	010208	CF
	010209	CJ

(b)(4)

Subtotal			(b)(4)
TOTAL			

(End of Summary of Changes)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE V		PAGE OF PAGES 1 3	
2. AMENDMENT/MODIFICATION NO. P00014		3. EFFECTIVE DATE 12-Apr-2010		4. REQUISITION/PURCHASE REQ. NO. SEE SCHEDULE		5. PROJECT NO.(If applicable)	
6. ISSUED BY MISSILE DEFENSE AGENCY (MDA) 17211 AVENUE D SUITE 160 DAHLGREN VA 22448-5154		CODE HQ0276		7. ADMINISTERED BY (If other than item 6) DCMA NAVAL SEA SYSTEMS OPERATIONS 3000 MIDLANTIC DRIVE SUITE 201 MOUNT LAUREL NJ 08054		CODE S3110A	
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) LOCKHEED MARTIN CORPORATION 199 BORTON LANDING RD MOORESTOWN NJ 08057-3054				9A. AMENDMENT OF SOLICITATION NO.			
				9B. DATED (SEE ITEM 11)			
				X 10A. MOD. OF CONTRACT/ORDER NO. HQ0276-10-C-0001			
				X 10B. DATED (SEE ITEM 13) 01-Oct-2009			
CODE 02769		FACILITY CODE					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required)							
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.							
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.							
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).							
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:							
X D. OTHER (Specify type of modification and authority) IAW "Technical/Schedule Performance Incentive Fee" clause within Section B							
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Modification Control Number: (b)(4) The purpose of this modification is to update the "Technical/Schedule Performance Incentive Fee" table in Section B to show the fee earned (b)(4) for the successful completion of the Aegis BMD Baseline 5.0 IBR and to authorize payment of this fee.							
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) (b)(6)			
				TEL: (b)(6) EMAIL: (b)(6)			
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA (b)(6) BY _____ (Signature of Contracting Officer)		16C. DATE SIGNED 12-Apr-2010	

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION B - SUPPLIES OR SERVICES AND PRICES

The following have been modified:

TECHNICAL/SCHEDULE PERF I/F
TECHNICAL/SCHEDULE PERFORMANCE INCENTIVE FEE

The total available Technical/Schedule Performance Incentive Fee for CLINs 0003 (Option), 0006, 0013, and 0019, as outlined in the table below are subject to the limitations and protections of FAR 52.232-22 Limitation of Funds, and will be incrementally funded.

If the contractor successfully achieves the mandated milestone event, as defined in Attachments J-4 and J-8 to this contract, by the due date specified, the Contracting Officer will provide the Technical/Schedule Performance Incentive Fee associated with that milestone event. To ensure timely payment, the contractor shall provide written notification to the Contracting Officer of the scheduled date(s) for Technical/Schedule Milestone Events at least thirty (30) days in advance. The Contracting Officer will authorize the contractor to bill for Technical/Schedule Performance Incentive Fee earned for the milestone event in question via electronic transmission within 15 days after the due date.

The Government is under NO obligation to roll over unearned Technical/Schedule Performance Incentive Fee, however, it hereby reserves the right to unilaterally roll over some or all of the unearned fee to later evaluation periods.

The Contracting Officer, in consultation with the Aegis BMD Program Director, is the Determining Official with regard to Technical/Schedule Performance Incentive Fee. The Fee Determining Official for all other Award Fees is MDA/D. Determinations of the Contracting Officer with respect to the payment of Technical/Schedule Performance Incentive Fee to the contractor and the rolling over of any unearned fee are final, unilateral decisions made solely at the discretion of the Contracting Officer.

If the contractor anticipates it will or actually does fail to meet a stated milestone as outlined in Attachment J-4, it shall promptly notify the Contracting Officer in writing explaining the root cause and as applicable, request relief in accordance with FAR 52.249-14, Excusable Delays.

Milestone Event	Potential Incentive Fee	Earned Fee
CLIN 0001- BMD 4.0.1 (Option)	CLIN 0003 (Option) (Note A)	
Conduct FTM-16	(b)(4)	
Complete CPAP		
Integrated Baseline Review (IBR)		
Complete Certification		
Conduct FTM-17		
FY11 CG Installation Complete		
CLIN 0004 – BMD 5.0	CLIN 0006	
IBR	(b)(4)	(b)(4)
IPR #4		
IPR #5		
Complete System Demonstration		
DDG-53 Installation Complete		

Complete CPAP	(b)(4)	
Complete Certification		
Additional ECS “Assess To” Threat into Compliance in Cert Load (See Note B) (Threat #1)		
Additional ECS “Assess To” Threat into Compliance in Cert Load (See Note B) (Threat #2)		
CLIN 0011 – MMSP	CLIN 0013	
IBR	(b)(4)	(b)(4)
Multi-Mission Exercise		
Production Readiness Review		
D(V) Performance Demo		
CLIN 0017 – BMD 5.1	CLIN 0019	
System Requirements Review	(b)(4)	
System Design Review		

Note A: CLIN 0003 is an Option

Note B: CLIN 0006

a. If the Contractor delivers “In Compliance” capability in the Aegis BMD Baseline 5.0 Weapon System against the following Threats as subsequently verified and validated by FTMs and/or Ground Test Campaign(s), as defined in Attachments J-7 and J-8, the Contractor will receive a Technical/Schedule Performance Incentive Fee of X percent of the Estimated Cost of CLIN 0004 for each Threat:

Threat #1 _____ (to be selected from “Assess To” Threats listed in the Aegis BMD 5.0 Element Capability Specification)

Threat #2 _____ (to be selected from “Assess To” Threats listed in the Aegis BMD 5.0 Element Capability Specification)

b. The additional capability must be delivered without growth to the Estimated Cost of CLIN 0004 or delay to the schedule of the Aegis BMD Baseline 5.0 Weapons System per Attachment J-4 to this contract.

c. The Contractor must follow the established MDA/AB System Engineering Process, as defined in the MDA/AB System Engineering Management Plan (SEMP) and Attachments J-7 and J-8, in design, development and test including peer review of performance analyses and design trades to assure a robust design space and not “Point Solution(s)” for the delivered Weapons System.

d. Balanced Technical Performance Measures, as defined in Attachment J-7, must be established at the In Process Design Reviews and satisfied by the delivered Weapons System.

e. The Government encourages the Contractor as the Combat System Engineering Agent to suggest technical performance improvements to the Combat System (including the Weapons System and the SM-3 Missile) which might support the above additional “In Compliance” Weapons System capability, however, the Government can make no commitment to change the SM-3 missile to support the Contractor in earning the above Technical/Schedule Performance Incentive Fee(s).

(End of Summary of Changes)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE V		PAGE OF PAGES 1 5	
2. AMENDMENT/MODIFICATION NO. P00015		3. EFFECTIVE DATE 14-Apr-2010		4. REQUISITION/PURCHASE REQ. NO. SEE SCHEDULE		5. PROJECT NO.(If applicable)	
6. ISSUED BY MISSILE DEFENSE AGENCY (MDA) 17211 AVENUE D SUITE 160 DAHLGREN VA 22448-5154		CODE HQ0276		7. ADMINISTERED BY (If other than item 6) DCMA NAVAL SEA SYSTEMS OPERATIONS 3000 MIDLANTIC DRIVE SUITE 201 MOUNT LAUREL NJ 08054		CODE S3110A	
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) LOCKHEED MARTIN CORPORATION 199 BORTON LANDING RD MOORESTOWN NJ 08057-3054				9A. AMENDMENT OF SOLICITATION NO.			
				9B. DATED (SEE ITEM 11)			
				X 10A. MOD. OF CONTRACT/ORDER NO. HQ0276-10-C-0001			
				X 10B. DATED (SEE ITEM 13) 01-Oct-2009			
CODE 02769		FACILITY CODE					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required) See Schedule							
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.							
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.							
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).							
X C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: FAR Clause 52.232-22, Limitation of Funds							
D. OTHER (Specify type of modification and authority)							
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Modification Control Number: (b)(4) The purpose of this modification is to obligate funding in the amount of (b)(4) for CLINs 0017/0018/0019.							
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) (b)(6) CONTRACTING OFFICER TEL: (b)(6) EMAIL: (b)(6)			
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA (b)(6) BY (b)(6) (Signature of Contracting Officer)		16C. DATE SIGNED 14-Apr-2010	

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION B - SUPPLIES OR SERVICES AND PRICES

SUBCLIN 001703 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
001703	Funding for CLIN 0017	
	ACRN DB	(b)(4)
	PURCHASE REQUEST NUMBER: AB9YLC04092	

SUBCLIN 001803 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
001803	Funding for CLIN 0018	
	ACRN DC	(b)(4)
	PURCHASE REQUEST NUMBER: AB9YLC04110	

SUBCLIN 001903 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
001903	Funding for CLIN 0019	
	ACRN DD	(b)(4)
	PURCHASE REQUEST NUMBER: AB9YLC04115	

SECTION G - CONTRACT ADMINISTRATION DATA

Accounting and Appropriation

Summary for the Payment Office

As a result of this modification, the total funded amount for this document was increased by (b)(4)
from (b)(4) to (b)(4)

SUBCLIN 001703:

Funding on SUBCLIN 001703 is initiated as follows:

ACRN: DB

CIN: AB9YLC040920001

Acctng Data: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E10968C4092 020521

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 001803:

Funding on SUBCLIN 001803 is initiated as follows:

ACRN: DC

CIN: AB9YLC041100001

Acctng Data: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E10968C4110 020521

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 001903:

Funding on SUBCLIN 001903 is initiated as follows:

ACRN: DD

CIN: AB9YLC041150001

Acctng Data: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E10968C4115 020521

Increase: (b)(4)

Total: (b)(4)

The following have been modified:

G-06 ALLOTMENT OF FUNDS (MAY 2005)

Pursuant to FAR 52.232-22, "Limitation of Funds," the total amount of funds presently available for payment and allotted to this contract (which covers all items, including fee payable), and the estimated period of performance said funds cover, are as follow:

CLIN	SLIN	ACRN	Cost to LM	IF	AF	Performance Incentive	TOTAL
0004	000401	AA	(b)(4)				
	000402	AB					
	000403	AC					
	000404	BT					
	000405	CP					
Subtotal							
0005	000501	AD					

	000502	BU
	000503	CQ
Subtotal		
0006	000601	AE
	000602	AF
	000603	BV
	000604	CR
Subtotal		
0011	001101	BS
Subtotal		
0012	001201	BS
Subtotal		
0013	001301	BS
Subtotal		
0017	001701	AG
	001702	BW
	001703	DB
Subtotal		
0018	001801	AH
	001802	BX
	001803	DC
Subtotal		
0019	001901	AJ
	001902	BY
	001903	DD
Subtotal		
0020	002001	AK
	002002	AL
	002003	CX
	002004	CZ
Subtotal		
0021	002101	AM
	002102	CY
	002103	DA
Subtotal		
0022	002201	AN
	002202	AP
	002203	BZ
	002204	CA
	002205	CB
	002206	CC
	002207	CD
	002208	CM
	002209	CS
	002210	CT
	002211	CU
	002212	CV
Subtotal		
0023	002301	AQ
	002302	AR
	002303	AS
	002304	AT
	002305	AU

(b)(4)

	002306	AV	(b)(4)
	002307	CG	
	002308	CK	
Subtotal			
0024	002401	AW	
	002402	CH	
	002403	CL	
Subtotal			
0025	002501	AX	
	002502	AY	
	002503	AZ	
	002504	BA	
	002505	BB	
	002506	BC	
	002507	BD	
	002508	CE	
	002509	CN	
	002510	CW	
Subtotal			
0026	002601	BE	
	002602	BF	
	002603	BG	
	002604	BH	
Subtotal			
0027	002701	BH	
	002702	BJ	
Subtotal			
0102	010201	BK	
	010202	BL	
	010203	BM	
	010204	BN	
	010205	BP	
	010206	BQ	
	010207	BR	
	010208	CF	
	010209	CJ	
Subtotal			
TOTAL			

(End of Summary of Changes)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE V		PAGE OF PAGES 1 6	
2. AMENDMENT/MODIFICATION NO. P00016		3. EFFECTIVE DATE 20-Apr-2010		4. REQUISITION/PURCHASE REQ. NO. SEE SCHEDULE		5. PROJECT NO.(If applicable)	
6. ISSUED BY MISSILE DEFENSE AGENCY (MDA) 17211 AVENUE D SUITE 160 DAHLGREN VA 22448-5154		CODE HQ0276		7. ADMINISTERED BY (If other than item 6) DCMA NAVAL SEA SYSTEMS OPERATIONS 3000 MIDLANTIC DRIVE SUITE 201 MOUNT LAUREL NJ 08054		CODE S3110A	
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) LOCKHEED MARTIN CORPORATION 199 BORTON LANDING RD MOORESTOWN NJ 08057-3054				9A. AMENDMENT OF SOLICITATION NO.			
				9B. DATED (SEE ITEM 11)			
				X 10A. MOD. OF CONTRACT/ORDER NO. HQ0276-10-C-0001			
				X 10B. DATED (SEE ITEM 13) 01-Oct-2009			
CODE 02769		FACILITY CODE					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required) See Schedule							
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.							
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.							
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).							
X C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: FAR 52.232-22, Limitation of Funds							
D. OTHER (Specify type of modification and authority)							
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Modification Control Number: (b)(4) The purpose of this modification is to provide funding in the amount of (b)(4) for CLINs 0023/0024 and 0102.							
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) (b)(6) CONTRACTING OFFICER TEL: (b)(6) EMAIL: (b)(6)			
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA (b)(6) BY _____ (Signature of Contracting Officer)		16C. DATE SIGNED 20-Apr-2010	

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION B - SUPPLIES OR SERVICES AND PRICES

SUBCLIN 010210 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
010210	Funding for CLIN 0102 FMS Case JA-P-FPX	
	ACRN DE	(b)(4)
	PURCHASE REQUEST NUMBER: N0002410MP60713	

SUBCLIN 010211 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
010211	Funding for CLIN 0102 FMS Case JA-P-FPX	
	ACRN DF	(b)(4)
	PURCHASE REQUEST NUMBER: N0002410MP60713	

SUBCLIN 010212 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
010212	Funding for CLIN 0102 FMS Case JA-P-FPX	
	ACRN DG	(b)(4)
	PURCHASE REQUEST NUMBER: N0002410MP60713	

SUBCLIN 010213 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
010213	Funding for CLIN 0102 FMS Case JA-P-FPX	
	ACRN DH	(b)(4)
	PURCHASE REQUEST NUMBER: N0002410MP60713	

SECTION G - CONTRACT ADMINISTRATION DATA

Accounting and Appropriation

Summary for the Payment Office

As a result of this modification, the total funded amount for this document was increased by (b)(4) from (b)(4) to (b)(4)

SUBCLIN 002308:

CK: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109C5C1805 020224 (CIN AB9SEG018050001) was increased by (b)(4) from (b)(4) to (b)(4)

SUBCLIN 002403:

CL: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109C5C1807 020224 (CIN AB9SEG018070001) was increased by (b)(4) from (b)(4) to (b)(4)

SUBCLIN 010210:

Funding on SUBCLIN 010210 is initiated as follows:

ACRN: DE

CIN: N0002410MP607130001

Acctng Data: 97-11X8242 2862 310 74622 0 065916 2D PJAM45 006860010FPX

Increase: (b)(4)

Total: (b)(4)

FMS Case Number: JA-P-FPX

SUBCLIN 010211:

Funding on SUBCLIN 010211 is initiated as follows:

ACRN: DF

CIN: N0002410MP607130002

Acctng Data: 97-11X8242 2862 252 74622 0 065916 2D PJAM45 006880010FPX

Increase: (b)(4)

Total: (b)(4)

FMS Case Number: JA-P-FPX

SUBCLIN 010212:

Funding on SUBCLIN 010212 is initiated as follows:

ACRN: DG

CIN: N0002410MP607130003

Acctng Data: 97-11X8242 2862 310 74622 0 065916 2D PJAM45 006860060FPX

Increase: (b)(4)

Total: (b)(4)

FMS Case Number: JA-P-FPX

SUBCLIN 010213:

Funding on SUBCLIN 010213 is initiated as follows:

ACRN: DH

CIN: N0002410MP607130004

Acctng Data: 97-11X8242 2862 252 74622 0 065916 2D PJAM44 006880030FPX

Increase: (b)(4)

Total: (b)(4)

FMS Case Number: JA-P-FPX

The following have been modified:

G-06 ALLOTMENT OF FUNDS (MAY 2005)

Pursuant to FAR 52.232-22, "Limitation of Funds," the total amount of funds presently available for payment and allotted to this contract (which covers all items, including fee payable), and the estimated period of performance said funds cover, are as follow:

CLIN	SLIN	ACRN	Cost to LM	IF	AF	Performance Incentive	TOTAL
0004	000401	AA	(b)(4)				
	000402	AB					
	000403	AC					
	000404	BT					
	000405	CP					
Subtotal							

0005	000501	AD	(b)(4)
	000502	BU	
	000503	CQ	
Subtotal			
0006	000601	AE	
	000602	AF	
	000603	BV	
	000604	CR	
Subtotal			
0011	001101	BS	
Subtotal			
0012	001201	BS	
Subtotal			
0013	001301	BS	
Subtotal			
0017	001701	AG	
	001702	BW	
	001703	DB	
Subtotal			
0018	001801	AH	
	001802	BX	
	001803	DC	
Subtotal			
0019	001901	AJ	
	001902	BY	
	001903	DD	
Subtotal			
0020	002001	AK	
	002002	AL	
	002003	CX	
	002004	CZ	
Subtotal			
0021	002101	AM	
	002102	CY	
	002103	DA	
Subtotal			
0022	002201	AN	
	002202	AP	
	002203	BZ	
	002204	CA	
	002205	CB	
	002206	CC	
	002207	CD	
	002208	CM	
	002209	CS	
	002210	CT	
	002211	CU	
	002212	CV	
Subtotal			
0023	002301	AQ	
	002302	AR	
	002303	AS	
	002304	AT	

	002305	AU	(b)(4)
	002306	AV	
	002307	CG	
	002308	CK	
Subtotal			
0024	002401	AW	
	002402	CH	
	002403	CL	
Subtotal			
0025	002501	AX	
	002502	AY	
	002503	AZ	
	002504	BA	
	002505	BB	
	002506	BC	
	002507	BD	
	002508	CE	
	002509	CN	
	002510	CW	
Subtotal			
0026	002601	BE	
	002602	BF	
	002603	BG	
	002604	BH	
Subtotal			
0027	002701	BH	
	002702	BJ	
Subtotal			
0102	010201	BK	
	010202	BL	
	010203	BM	
	010204	BN	
	010205	BP	
	010206	BQ	
	010207	BR	
	010208	CF	
	010209	CJ	
	010210	DE	
	010211	DF	
	010212	DG	
	010213	DH	
Subtotal			
TOTAL			

(End of Summary of Changes)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE V	PAGE OF PAGES 1 11
2. AMENDMENT/MODIFICATION NO. PD00017		3. EFFECTIVE DATE 26-Apr-2010		4. REQUISITION/PURCHASE REQ. NO. SEE SCHEDULE	
5. PROJECT NO. (If applicable)					
6. ISSUED BY MISSILE DEFENSE AGENCY (MDA) 17211 AVENUE D SUITE 160 DAHLGREN VA 22448-5154		CODE HQ0276		7. ADMINISTERED BY (If other than item 6) DCMA NAVAL SEA SYSTEMS OPERATIONS 3000 ATLANTIC DRIVE SUITE 201 MOUNT LAUREL NJ 08054	
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) LOCKHEED MARTIN CORPORATION 199 BORTON LANDING RD MOORESTOWN NJ 08057-3054		9A. AMENDMENT OF SOLICITATION NO.		9B. DATED (SEE ITEM 11)	
FMS Require		10A. MOD. OF CONTRACT ORDER NO. HQ0276-10-C-0001		10B. DATED (SEE ITEM 13) 01-Oct-2009	
		CODE: 02769		FACILEX CODE	
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS					
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of offer is extended, <input type="checkbox"/> is not extended.					
Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.					
12. ACCOUNTING AND APPROPRIATION DATA (If required) See Schedule					
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.					
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.					
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).					
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:					
<input checked="" type="checkbox"/> D. OTHER (Specify type of modification and authority) IAW Special Clause H-15, Exercise of Options, & Mutual Agreement of the Parties					
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return <u>1</u> copies to the issuing office.					
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Modification Control Number: (b)(4) The purpose of this modification is to exercise option CLINs 0001/0002/0003 (Aegis BMD Baseline 4.0.1 Weapon System Certification and Initial Fielding of WILDCAT Engagement Capability) and 0100/0103 (4.0.1 Ship Installs); update the period of performance of CLINs 0100/0103, and obligate funding in the amount of (b)(4)					
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.					
15A. NAME AND TITLE OF SIGNER (Type or print) (b)(6) LOCKHEED MARTIN CORPORATION		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) (b)(6) TEL: (b)(6) EMAIL: (b)(6)			
15B. CONTRACTOR/ORDER NO. (b)(6)		15C. DATE SIGNED 26 April 2010		16B. UNITED STATES OF AMERICA (b)(6)	
(Signature of person authorized to sign)		(Signature of Contracting Officer)		16C. DATE SIGNED 26 Apr 2010	

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION A - SOLICITATION/CONTRACT FORM

The total cost of this contract was increased by (b)(4) from (b)(4) to (b)(4)

SECTION B - SUPPLIES OR SERVICES AND PRICES

CLIN 0001

The option status has changed from Option to Option Exercised.

CLIN 0002

The option status has changed from Option to Option Exercised.

CLIN 0003

The option status has changed from Option to Option Exercised.

CLIN 0100

The option status has changed from Option to Option Exercised.

CLIN 0103

The option status has changed from Option to Option Exercised.

SUBCLIN 000101 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000101	Funding for CLIN 0001	
	ACRN DJ	(b)(4)
	PURCHASE REQUEST NUMBER: AB9RAB04557	

SUBCLIN 000102 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000102	Funding for CLIN 0001	
	ACRN DR	(b)(4)
	PURCHASE REQUEST NUMBER: AB9JMM04495	

SUBCLIN 000201 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000201	Funding for CLIN 0002	
	ACRN DL	(b)(4)
	PURCHASE REQUEST NUMBER: AB9RAB04560	

SUBCLIN 000202 is added as follows:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
000202	Funding for CLIN 0002				\$0.00
	COST				
	FOB: Destination				
	PURCHASE REQUEST NUMBER: AB9JMM04499				
				ESTIMATED COST	(b)(4)
	ACRN DS				
	CIN: AB9JMM044990001				

SUBCLIN 000301 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000301	Funding for CLIN 0003	
	ACRN DN	(b)(4)
	PURCHASE REQUEST NUMBER: AB9RAB04561	

SUBCLIN 000302 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000302	Funding for CLIN 0003	
	ACRN DT	(b)(4)
	PURCHASE REQUEST NUMBER: AB9JMM04501	

SUBCLIN 010001 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
010001	Funding for CLIN 0100	
	ACRN DP	(b)(4)
	PURCHASE REQUEST NUMBER: AB9JMM04505	

SUBCLIN 010301 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
010301	Funding for CLIN 0103	
	ACRN DQ	(b)(4)
	PURCHASE REQUEST NUMBER: AB9JMM04506	

SECTION F - DELIVERIES OR PERFORMANCE

The following Delivery Schedule item for CLIN 0100 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-APR-2010 TO 31-DEC-2013	N/A	LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
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POP 26-APR-2010 TO 31-DEC-2013	N/A	LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449
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The following Delivery Schedule item for CLIN 0103 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 01-APR-2010 TO 31-DEC-2013	N/A	LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 26-APR-2010 TO 31-DEC-2013	N/A	LOCKHEED MARTIN WEDOC 199 BORTON LANDING ROAD MOORESTOWN NJ 08057-0927 FOB: Origin	Q94449

SECTION G - CONTRACT ADMINISTRATION DATA

Accounting and Appropriation

Summary for the Payment Office

As a result of this modification, the total funded amount for this document was increased by (b)(4)

from (b)(4) to (b)(4)

SUBCLIN 000101:

Funding on SUBCLIN 000101 is initiated as follows:

ACRN: DJ

CIN: AB9RAB045570001

Acctng Data: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109B1C4557 020503

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 000102:

Funding on SUBCLIN 000102 is initiated as follows:

ACRN: DR

CIN: AB9JMM044950001

Acctng Data: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E209D0P4495 020336

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 000201:

Funding on SUBCLIN 000201 is initiated as follows:

ACRN: DL

CIN: AB9RAB045600001

Acctng Data: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109B1C4560 020503

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 000202:

Funding on SUBCLIN 000202 is initiated as follows:

ACRN: DS

CIN: AB9JMM044990001

Acctng Data: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E209D0P4499 020336

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 000301:

Funding on SUBCLIN 000301 is initiated as follows:

ACRN: DN

CIN: AB9RAB045610001

Acctng Data: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109B1C4561 020503

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 000302:

Funding on SUBCLIN 000302 is initiated as follows:

ACRN: DT

CIN: AB9JMM045010001

Acctng Data: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E209D0P4501 020336

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 001101:

BS: 1701319 A5BJ 253 SASWS 0 068342 2D 960510 K32320000010 (CIN N0002410MP106450001) was increased by (b)(4) from (b)(4) to (b)(4)

SUBCLIN 001201:

BS: 1701319 A5BJ 253 SASWS 0 068342 2D 960510 K32320000010 (CIN N0002410MP106780001) was increased by (b)(4) from (b)(4) to (b)(4)

SUBCLIN 001702:

BW: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0W109I0C0458 020341 (CIN AB9RAB004580001) was increased by (b)(4) from (b)(4) to (b)(4)

SUBCLIN 001802:

BX: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0W109I0C0615 020341 (CIN AB9RAB006150001) was increased by (b)(4) from (b)(4) to (b)(4)

SUBCLIN 001902:

BY: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0W109I0C0618 020341 (CIN AB9RAB006180001) was increased by (b)(4) from (b)(4) to (b)(4)

SUBCLIN 002003:

CX: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0X309D0C4001 020357 (CIN AB9RAB040010001) was increased by (b)(4) from (b)(4) to (b)(4)

SUBCLIN 002004:

CZ: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0X309D0C4003 020357 (CIN AB9RAB040030001) was increased by (b)(4) from (b)(4) to (b)(4)

SUBCLIN 002102:

CY: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0X309D0C4002 020357 (CIN AB9RAB040020001) was increased by (b)(4) from (b)(4) to (b)(4)

SUBCLIN 002103:

DA: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0X309D0C4005 020357 (CIN AB9RAB040050001) was increased by (b)(4) from (b)(4) to (b)(4)

SUBCLIN 010001:

Funding on SUBCLIN 010001 is initiated as follows:

ACRN: DP

CIN: AB9JMM045050001

Acctg Data: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E209D0P4505 020336

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 010301:

Funding on SUBCLIN 010301 is initiated as follows:

ACRN: DQ

CIN: AB9JMM045060001

Acctg Data: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E209D0P4506 020336

Increase: (b)(4)

Total: (b)(4)

The following have been modified:

G-06 ALLOTMENT OF FUNDS (MAY 2005)

Pursuant to FAR 52.232-22, "Limitation of Funds," the total amount of funds presently available for payment and allotted to this contract (which covers all items, including fee payable), and the estimated period of performance said funds cover, are as follow:

CLIN	SLIN	ACRN	Cost to LM	IF	AF	Performance Incentive	TOTAL
0001	000101	DJ	(b)(4)				
	000102	DR					
Subtotal							
0002	000201	DL					
	000202	DS					
Subtotal							
0003	000301	DN					
	000302	DT					
Subtotal							
0004	000401	AA					
	000402	AB					
	000403	AC					
	000404	BT					
	000405	CP					
Subtotal							
0005	000501	AD					
	000502	BU					
	000503	CQ					
Subtotal							
0006	000601	AE					
	000602	AF					
	000603	BV					
	000604	CR					

Subtotal			(b)(4)
0011	001101	BS	
Subtotal			
0012	001201	BS	
Subtotal			
0013	001301	BS	
Subtotal			
0017	001701	AG	
	001702	BW	
	001703	DB	
Subtotal			
0018	001801	AH	
	001802	BX	
	001803	DC	
Subtotal			
0019	001901	AJ	
	001902	BY	
	001903	DD	
Subtotal			
0020	002001	AK	
	002002	AL	
	002003	CX	
	002004	CZ	
Subtotal			
0021	002101	AM	
	002102	CY	
	002103	DA	
Subtotal			
0022	002201	AN	
	002202	AP	
	002203	BZ	
	002204	CA	
	002205	CB	
	002206	CC	
	002207	CD	
	002208	CM	
	002209	CS	
	002210	CT	
	002211	CU	
	002212	CV	
Subtotal			
0023	002301	AQ	
	002302	AR	
	002303	AS	
	002304	AT	
	002305	AU	
	002306	AV	
	002307	CG	
	002308	CK	
Subtotal			
0024	002401	AW	
	002402	CH	
	002403	CL	
Subtotal			
0025	002501	AX	

	002502	AY
	002503	AZ
	002504	BA
	002505	BB
	002506	BC
	002507	BD
	002508	CE
	002509	CN
	002510	CW
Subtotal		
0026	002601	BE
	002602	BF
	002603	BG
	002604	BH
Subtotal		
0027	002701	BH
	002702	BJ
Subtotal		
0100	010001	DP
Subtotal		
0102	010201	BK
	010202	BL
	010203	BM
	010204	BN
	010205	BP
	010206	BQ
	010207	BR
	010208	CF
	010209	CJ
	010210	DE
	010211	DF
	010212	DG
	010213	DH
Subtotal		
0103	010301	DQ
Subtotal		
TOTAL		

(b)(4)

SECTION H - SPECIAL CONTRACT REQUIREMENTS

The following have been modified:

H-15 EXERCISE OF OPTIONS (MAY 2005)

Any option under this contract shall be exercised by a unilateral contract modification signed by the Contracting Officer. Specific contract line items or sub-line items delineating a description of the supplies or services, quantity requirements, and a corresponding delivery schedule for the exercised options shall be identified in the unilateral contract modification. The Government may exercise from time to time, either in whole or in part, some or all the option line items. An option shall be exercised within 60 days of the option period of performance start date listed in the table below, with the exception of CLIN 0007, Emergent Threat.

CLIN	Period of Performance
0001 – 0003	30 June 2010 – 31 Dec 2011
0007	1 Oct 2009 – 31 Dec 2014
0100	26 Apr 2010 – 31 Dec 2013
0101	1 Oct 2011 – 31 Dec 2013
0103	26 Apr 2010 – 31 Dec 2013
0104	1 Oct 2011 – 31 Dec 2013

(End of Summary of Changes)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE V	PAGE OF PAGES 1 7
2. AMENDMENT/MODIFICATION NO. P00018	3. EFFECTIVE DATE	4. REQUISITION/PURCHASE REQ. NO. SEE SCHEDULE	5. PROJECT NO. (If applicable)	
6. ISSUED BY MISSILE DEFENSE AGENCY (MDA) 17211 AVENUE D SUITE 160 DAHLGREN VA 22448-5154	CODE HQ0276	7. ADMINISTERED BY (If other than item 6) DCMA NAVAL SEA SYSTEMS OPERATIONS 3000 MIDLANTIC DRIVE SUITE 201 MOUNT LAUREL NJ 08054		
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) LOCKHEED MARTIN CORPORATION 199 BORTON LANDING RD MOORESTOWN NJ 08057-3054		9A. AMENDMENT OF SOLICITATION NO.		
		9B. DATED (SEE ITEM 11)		
		10A. MOD. OF CONTRACT/ORDER NO. HQ0276-10-0001		
		10B. DATED (SEE ITEM 13) 01-Oct-2009		
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS				
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.				
12. ACCOUNTING AND APPROPRIATION DATA (If required) See Schedule				
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.				
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.				
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).				
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:				
<input checked="" type="checkbox"/> D. OTHER (Specify type of authority) (b)(4) and Mutual Agreement of the Parties				
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return 1 copies to the issuing office.				
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Modification Control Number: (b)(4) The purpose of this modification is to de-obligate funds in the amount of (b)(4) from CLIN 0025 (SLIN 002508, ACRN CE); obligate funds in the amount of (b)(4) for CLINs 0004/0005/0006 and 0102; incorporate revised CDRLs A011 and A025; update the "Tech/Sched Performance Incentive Fee" table in Sect B to show the fee earned (b)(4) for the successful completion of the MMSP PRR and to authorize payment of this fee; revise the Allotment of Funds Table in Section G; and revise Section J to reflect the new document date of 29 April 2010 for Exhibit A. Expenditures against SLIN 002508 will be applied to SLIN 002510, ACRN CW.				
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.				
15A. NAME AND TITLE OF SIGNER (Type or print) (b)(6) LOCKHEED MARTIN CORPORATION		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) (b)(6) TEL: (b)(6) EMAIL: (b)(6)		
15B. (b)(6)	15C. DATE SIGNED 14 MAY 2010	16B. UNITED STATES OF AMERICA (b)(6) BY	16C. DATE SIGNED 14 May 2010	
(Signature of person authorized to sign)		(Signature of Contracting Officer)		

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION B - SUPPLIES OR SERVICES AND PRICES

The following have been modified:

TECHNICAL/SCHEDULE PERF I/F
TECHNICAL/SCHEDULE PERFORMANCE INCENTIVE FEE

The total available Technical/Schedule Performance Incentive Fee for CLINs 0003 (Option), 0006, 0013, and 0019, as outlined in the table below are subject to the limitations and protections of FAR 52.232-22 Limitation of Funds, and will be incrementally funded.

If the contractor successfully achieves the mandated milestone event, as defined in Attachments J-4 and J-8 to this contract, by the due date specified, the Contracting Officer will provide the Technical/Schedule Performance Incentive Fee associated with that milestone event. To ensure timely payment, the contractor shall provide written notification to the Contracting Officer of the scheduled date(s) for Technical/Schedule Milestone Events at least thirty (30) days in advance. The Contracting Officer will authorize the contractor to bill for Technical/Schedule Performance Incentive Fee earned for the milestone event in question via electronic transmission within 15 days after the due date.

The Government is under NO obligation to roll over unearned Technical/Schedule Performance Incentive Fee, however, it hereby reserves the right to unilaterally roll over some or all of the unearned fee to later evaluation periods.

The Contracting Officer, in consultation with the Aegis BMD Program Director, is the Determining Official with regard to Technical/Schedule Performance Incentive Fee. The Fee Determining Official for all other Award Fees is MDA/D. Determinations of the Contracting Officer with respect to the payment of Technical/Schedule Performance Incentive Fee to the contractor and the rolling over of any unearned fee are final, unilateral decisions made solely at the discretion of the Contracting Officer.

If the contractor anticipates it will or actually does fail to meet a stated milestone as outlined in Attachment J-4, it shall promptly notify the Contracting Officer in writing explaining the root cause and as applicable, request relief in accordance with FAR 52.249-14, Excusable Delays.

Milestone Event	Potential Incentive Fee	Earned Fee
CLIN 0001- BMD 4.0.1 (Option) Conduct FTM-16 Complete CPAP Integrated Baseline Review (IBR) Complete Certification Conduct FTM-17 FY11 CG Installation Complete	CLIN 0003 (Option) (Note A) (b)(4)	
CLIN 0004 – BMD 5.0 IBR IPR #4 IPR #5 Complete System Demonstration DDG-53 Installation Complete	CLIN 0006 (b)(4)	(b)(4)

Complete CPAP
Complete Certification
Additional ECS "Assess To"
Threat into Compliance in Cert
Load (See Note B) (Threat #1)
Additional ECS "Assess To"
Threat into Compliance in Cert
Load (See Note B) (Threat #2)

(b)(4)

CLIN 0011 – MMSP
IBR
Multi-Mission Exercise
Production Readiness Review
D(V) Performance Demo

CLIN 0013
(b)(4)

(b)(4)

CLIN 0017 – BMD 5.1
System Requirements Review
System Design Review

CLIN 0019
(b)(4)

Note A: CLIN 0003 is an Option

Note B: CLIN 0006

a. If the Contractor delivers "In Compliance" capability in the Aegis BMD Baseline 5.0 Weapon System against the following Threats as subsequently verified and validated by FTMs and/or Ground Test Campaign(s), as defined in Attachments J-7 and J-8, the Contractor will receive a Technical/Schedule Performance Incentive Fee of X percent of the Estimated Cost of CLIN 0004 for each Threat:

Threat #1 _____ (to be selected from "Assess To" Threats listed in the Aegis BMD 5.0 Element Capability Specification)

Threat #2 _____ (to be selected from "Assess To" Threats listed in the Aegis BMD 5.0 Element Capability Specification)

b. The additional capability must be delivered without growth to the Estimated Cost of CLIN 0004 or delay to the schedule of the Aegis BMD Baseline 5.0 Weapons System per Attachment J-4 to this contract.

c. The Contractor must follow the established MDA/AB System Engineering Process, as defined in the MDA/AB System Engineering Management Plan (SEMP) and Attachments J-7 and J-8, in design, development and test including peer review of performance analyses and design trades to assure a robust design space and not "Point Solution(s)" for the delivered Weapons System.

d. Balanced Technical Performance Measures, as defined in Attachment J-7, must be established at the In Process Design Reviews and satisfied by the delivered Weapons System.

e. The Government encourages the Contractor as the Combat System Engineering Agent to suggest technical performance improvements to the Combat System (including the Weapons System and the SM-3 Missile) which might support the above additional "In Compliance" Weapons System capability, however, the Government can make no commitment to change the SM-3 missile to support the Contractor in earning the above Technical/Schedule Performance Incentive Fee(s).

SECTION G - CONTRACT ADMINISTRATION DATA

Accounting and Appropriation

Summary for the Payment Office

As a result of this modification, the total funded amount for this document was increased by (b)(4) from (b)(4) to (b)(4)

SUBCLIN 000404:

BT: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109A0C0487 020329 (CIN AB9JMM004870001) was increased by (b)(4) from (b)(4) to (b)(4)

SUBCLIN 000502:

BU: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109A0C0762 020329 (CIN AB9JMM007620001) was increased by (b)(4) from (b)(4) to (b)(4)

SUBCLIN 000603:

BV: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109A0C0764 020329 (CIN AB9JMM007640001) was increased by (b)(4) from (b)(4) to (b)(4)

SUBCLIN 002508:

CE: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0W109A0C0755 020337 (CIN AB9YLC007550001) was decreased by (b)(4) from (b)(4) to (b)(4)

SUBCLIN 010201:

BK: 97-11X8242 80IU 252 40452 0 068342 2D CCXT04 E4475 ESS 104Z (CIN N0002408MP502870001) was increased by (b)(4) from (b)(4) to (b)(4)

SUBCLIN 010202:

BL: 97-11X8242 80NL 252 40452 0 068342 2D CCXT01 W44GSESS101Z (CIN N0002408MP504180001) was increased by (b)(4) from (b)(4) to (b)(4)

The following have been modified:

G-06 ALLOTMENT OF FUNDS (MAY 2005)

Pursuant to FAR 52.232-22, "Limitation of Funds," the total amount of funds presently available for payment and allotted to this contract (which covers all items, including fee payable), and the estimated period of performance said funds cover, are as follow:

CLIN	SLIN	ACRN	Cost to LM	IF	AF	Performance Incentive	TOTAL
0001	000101	DJ	(b)(4)				
	000102	DR					
Subtotal							
0002	000201	DL					
	000202	DS	(b)(4)				
Subtotal							

0003	000301	DN
	000302	DT
Subtotal		
0004	000401	AA
	000402	AB
	000403	AC
	000404	BT
	000405	CP
Subtotal		
0005	000501	AD
	000502	BU
	000503	CQ
Subtotal		
0006	000601	AE
	000602	AF
	000603	BV
	000604	CR
Subtotal		
0011	001101	BS
Subtotal		
0012	001201	BS
Subtotal		
0013	001301	BS
Subtotal		
0017	001701	AG
	001702	BW
	001703	DB
Subtotal		
0018	001801	AH
	001802	BX
	001803	DC
Subtotal		
0019	001901	AJ
	001902	BY
	001903	DD
Subtotal		
0020	002001	AK
	002002	AL
	002003	CX
	002004	CZ
Subtotal		
0021	002101	AM
	002102	CY
	002103	DA
Subtotal		
0022	002201	AN
	002202	AP
	002203	BZ
	002204	CA
	002205	CB
	002206	CC
	002207	CD
	002208	CM
	002209	CS
	002210	CT

(b)(4)

	002211	CU
	002212	CV
Subtotal		
0023	002301	AQ
	002302	AR
	002303	AS
	002304	AT
	002305	AU
	002306	AV
	002307	CG
	002308	CK
Subtotal		
0024	002401	AW
	002402	CH
	002403	CL
Subtotal		
0025	002501	AX
	002502	AY
	002503	AZ
	002504	BA
	002505	BB
	002506	BC
	002507	BD
	002508	CE
	002509	CN
	002510	CW
Subtotal		
0026	002601	BE
	002602	BF
	002603	BG
	002604	BH
Subtotal		
0027	002701	BH
	002702	BJ
Subtotal		
0100	010001	DP
Subtotal		
0102	010201	BK
	010202	BL
	010203	BM
	010204	BN
	010205	BP
	010206	BQ
	010207	BR
	010208	CF
	010209	CJ
	010210	DE
	010211	DF
	010212	DG
	010213	DH
Subtotal		
0103	010301	DQ
Subtotal		
TOTAL		

(b)(4)

SECTION J - LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

The following have been modified:

LIST OF DOCUMENTS

DOCUMENT TYPE	DESCRIPTION	PAGES	DATE
Exhibit A	CDRLs	54	29 April 2010
Enclosure 1 to Exhibit A	Addressee List	1	1 October 2009
Enclosure 2 to Exhibit A	Data Distribution List	14	1 October 2009
Enclosure 3 to Exhibit A	Software Resources Data Reporting – Initial	2	1 October 2009
Enclosure 4 to Exhibit A	Software Resources Data Reporting – Final	2	1 October 2009
Enclosure 5 to Exhibit A	Computer Program Data	4	1 October 2009
Encl 6/6a to CDRL A043	Product Drawings and Associated Lists	2	1 October 2009
Encl 7 to CDRL A044	Commercial Drawings/Models and Associated Lists	1	1 October 2009
Encl 8 to CDRL A046	Specifications	1	1 October 2009
Encl 9 to CDRL A047	Special Inspection Equipment Drawings and Associated Lists	1	1 October 2009
Encl 10 to CDRL A048	Special Tooling Drawings and Associated Lists	1	1 October 2009
Encl 11	RESERVED		
Encl 12 to CDRL A051	Specifications	1	1 October 2009
Attachment J-1	Statement of Work	32	1 October 2009
Attachment J-2	DD 254	18	1 October 2009
Attachment J-3	Award Fee Plan	17	1 October 2009
Attachment J-4	Program Integrated Master Schedule	1	1 October 2009
Attachment J-5	GFE/GFI	38	1 October 2009
Attachment J-6	Preliminary Work Breakdown Structure	8	1 October 2009
Attachment J-7	Technical Review Manual	27	1 October 2009
Attachment J-8	Milestone Event Completion Criteria	2	1 October 2009
Attachment J-9	Commercial Computer Software and Open Source Software List	3	1 October 2009
Attachment J-10	Data Rights Assertions	3	26 October 2009
Attachment J-11	(b)(4) OCI Mitigation Plan	27	1 October 2009

(End of Summary of Changes)

CONTRACT DATA REQUIREMENTS LIST (1 Data Item)						Form Approved OMB No. 0704-0188					
Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.											
A. CONTRACT LINE ITEM NO. 0001/0004/0017/0020		B. EXHIBIT A		C. CATEGORY: TDP TM OTHER							
D. SYSTEM/ITEM Aegis BMD			E. CONTRACT/PR NO. HQ0276-10-C-0001		F. CONTRACTOR Lockheed Martin MS2						
1. DATA ITEM NO. A025		2. TITLE OF DATA ITEM Revisions to Existing Government Documents			3. SUBTITLE See Block 16						
4. AUTHORITY (Data Acquisition Document No.) DI-ADMN-80925			5. CONTRACT REFERENCE SOW 3.3 and 3.7		6. REQUIRING OFFICE MDA/AB						
7. DD 250 REQ LT		9. DIST STATEMENT REQUIRED D-See Blk 16		10. FREQUENCY See Block 16		12. DATE OF FIRST SUBMISSION See Block 16					
8. APP CODE See Block 16				11. AS OF DATE		13. DATE OF SUBSEQUENT SUBMISSION See Block 16					
16. REMARKS Block 3: I) Prime Item Development Specification; Type B1-ACSIS II) Program Performance Specification-ACSIS (PPS) III) Program Design Document-ACSIS (PDD) Block 4: Update existing specifications, generate new specifications, or develop SCNs, as required, to reflect Aegis BMD requirements. Reissue specification/document when 50% affected by changes or when re-identification is required. Blocks 7/8: Technical approval for contractual compliance required by MDA/AB and Aegis Technical Representative before implementing changes (SCNs). Technical approval of final specification or SCN required within 45 days after submission to MDA/AB and Aegis Technical Representative. Adjudicated comments shall be included in final SCN or final delivery of specification. Block 9: Distribution Statement D: Distribution authorized to the Department of Defense and United States DoD contractors only (critical technology) (30 Jun 08). Other requests shall be referred to MDA/AB Aegis BMD. Blocks 10/12/13: As required to keep document current with ACSIS program requirements. Deliver preliminary copy 45 days prior to Design Review (DR). For CLINs 0001, 0017, and 0020 deliver final copy 90 days after DR (including additions and adjudications, as necessary). For PIDS under CLIN 0004, deliver 120 days after IPR #4 and for PPS deliver 105 days after CP delivery. Work in process should be submitted as required to support events. Blocks 14/15: Data transmittals should be marked with the applicable Technical Instruction number(s). Form of Data Delivery: Electronic delivery shall be satisfied through on-line availability. Electronic delivery of classified data items will be accomplished through delivery of CD-ROM to satisfy specific documentation requirements. Digital delivery shall be made in Portable Document Format (PDF) compatible with ADOBE Acrobat application software, or other mutually agreeable commercial off-the-shelf software. Letter of transmittal shall be via e-mail with notification of file attributes and directory information for retrieval.						14. DISTRIBUTION		b. COPIES			
						a. ADDRESSEE		DRAFT		FINAL	
								Reg		Repr o	
G. PREPARED BY			H. DATE		I. APPROVED BY (b)(6)		J. DATE 04/29/2010				

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE V		PAGE OF PAGES 1 5	
2. AMENDMENT/MODIFICATION NO. P00019		3. EFFECTIVE DATE 18-May-2010		4. REQUISITION/PURCHASE REQ. NO. SEE SCHEDULE		5. PROJECT NO.(If applicable)	
6. ISSUED BY MISSILE DEFENSE AGENCY (MDA) 17211 AVENUE D SUITE 160 DAHLGREN VA 22448-5154		CODE HQ0276		7. ADMINISTERED BY (If other than item 6) DCMA NAVAL SEA SYSTEMS OPERATIONS 3000 MIDLANTIC DRIVE SUITE 201 MOUNT LAUREL NJ 08054		CODE S3110A	
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) LOCKHEED MARTIN CORPORATION 199 BORTON LANDING RD MOORESTOWN NJ 08057-3054				9A. AMENDMENT OF SOLICITATION NO.			
				9B. DATED (SEE ITEM 11)			
				X 10A. MOD. OF CONTRACT/ORDER NO. HQ0276-10-C-0001			
				X 10B. DATED (SEE ITEM 13) 01-Oct-2009			
CODE 02769		FACILITY CODE					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required) See Schedule							
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.							
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.							
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).							
X C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: FAR 52.232-22, Limitation of Funds							
D. OTHER (Specify type of modification and authority)							
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Modification Control Number: (b)(4) The purpose of this modification is to obligate funds in the amount of (b)(4) to CLIN 0025.							
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) (b)(6) CONTRACTING OFFICER TEL: (b)(6) EMAIL: (b)(6)			
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA (b)(6) BY (Signature of Contracting Officer)		16C. DATE SIGNED 18-May-2010	

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION B - SUPPLIES OR SERVICES AND PRICES

SUBCLIN 002511 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
002511	Funding for CLIN 0025	
	ACRN DU	(b)(4)
	PURCHASE REQUEST NUMBER: AB9CCC04935	

SUBCLIN 002512 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
002512	Funding for CLIN 0025	
	ACRN DV	(b)(4)
	PURCHASE REQUEST NUMBER: AB9CCC04944	

SECTION G - CONTRACT ADMINISTRATION DATA

Accounting and Appropriation

Summary for the Payment Office

As a result of this modification, the total funded amount for this document was increased by (b)(4)
 from (b)(4) to (b)(4)

SUBCLIN 002511:

Funding on SUBCLIN 002511 is initiated as follows:

ACRN: DU

CIN: AB9CCC049350001

Acctng Data: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0W109B3C4935 020235

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 002512:

Funding on SUBCLIN 002512 is initiated as follows:

ACRN: DV

CIN: AB9CCC049440001

Acctng Data: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0W109B3C4944 020235

Increase: (b)(4)

Total: (b)(4)

The following have been modified:

G-06 ALLOTMENT OF FUNDS (MAY 2005)

Pursuant to FAR 52.232-22, "Limitation of Funds," the total amount of funds presently available for payment and allotted to this contract (which covers all items, including fee payable), and the estimated period of performance said funds cover, are as follow:

CLIN	SLIN	ACRN	Cost to LM	IF	AF	Performance Incentive	TOTAL
0001	000101	DJ	(b)(4)				
	000102	DR					
Subtotal							
0002	000201	DL					
	000202	DS					
Subtotal							
0003	000301	DN					
	000302	DT					
Subtotal							
0004	000401	AA					
	000402	AB					
	000403	AC					
	000404	BT					
	000405	CP					
Subtotal							
0005	000501	AD					
	000502	BU					
	000503	CQ					
Subtotal							
0006	000601	AE					
	000602	AF					
	000603	BV					
	000604	CR					
Subtotal							
0011	001101	BS					
Subtotal							
0012	001201	BS					
Subtotal							
0013	001301	BS					

Subtotal			(b)(4)
0017	001701	AG	
	001702	BW	
	001703	DB	
Subtotal			
0018	001801	AH	
	001802	BX	
	001803	DC	
Subtotal			
0019	001901	AJ	
	001902	BY	
	001903	DD	
Subtotal			
0020	002001	AK	
	002002	AL	
	002003	CX	
	002004	CZ	
Subtotal			
0021	002101	AM	
	002102	CY	
	002103	DA	
Subtotal			
0022	002201	AN	
	002202	AP	
	002203	BZ	
	002204	CA	
	002205	CB	
	002206	CC	
	002207	CD	
	002208	CM	
	002209	CS	
	002210	CT	
	002211	CU	
	002212	CV	
Subtotal			
0023	002301	AQ	
	002302	AR	
	002303	AS	
	002304	AT	
	002305	AU	
	002306	AV	
	002307	CG	
	002308	CK	
Subtotal			
0024	002401	AW	
	002402	CH	
	002403	CL	
Subtotal			
0025	002501	AX	
	002502	AY	
	002503	AZ	
	002504	BA	
	002505	BB	

	002506	BC	(b)(4)
	002507	BD	
	002508	CE	
	002509	CN	
	002510	CW	
	002511	DU	
	002512	DV	
Subtotal			
0026	002601	BE	
	002602	BF	
	002603	BG	
	002604	BH	
Subtotal			
0027	002701	BH	
	002702	BJ	
Subtotal			
0100	010001	DP	
Subtotal			
0102	010201	BK	
	010202	BL	
	010203	BM	
	010204	BN	
	010205	BP	
	010206	BQ	
	010207	BR	
	010208	CF	
	010209	CJ	
	010210	DE	
	010211	DF	
	010212	DG	
	010213	DH	
Subtotal			
0103	010301	DQ	
Subtotal			
TOTAL			

(End of Summary of Changes)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE V		PAGE OF PAGES 1 8	
2. AMENDMENT/MODIFICATION NO. P00020		3. EFFECTIVE DATE See BIK 16C		4. REQUISITION/PURCHASE REQ NO. SEE SCHEDULE		5. PROJECT NO. (If applicable)	
6. ISSUED BY MISSILE DEFENSE AGENCY (MDA) 17211 AVENUE D SUITE 160 DAHLGREN VA 22448-5154		CODE HQ0276		7. ADMINISTERED BY (If other than item 6) DCMA NAVAL SEA SYSTEMS OPERATIONS 3000 MIDLANTIC DRIVE SUITE 201 MOUNT LAUREL NJ 08054		CODE S3110A	
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) LOCKHEED MARTIN CORPORATION 199 BORTON LANDING RD MOORESTOWN NJ 08067-3054				9A. AMENDMENT OF SOLICITATION NO.			
				9B. DATED (SEE ITEM 11)			
				X 10A. MOD OF CONTRACT ORDER NO. HQ0276-10-C-0001			
CODE 02769				X 10B. DATED (SEE ITEM 13) 01-Oct-2009			
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended. <input type="checkbox"/> is not extended.							
Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required) See Schedule							
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.							
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.							
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).							
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:							
X D. OTHER (Specify type of modification and authority) Mutual Agreement of the Parties							
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return <u>1</u> copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Modification Control Number: (b)(4) The purpose of this modification is to 1) obligate funds in the amount of (b)(4) for CLINs 0004/0005/0006, 0022, 0023/0024, 0025, and 0102 and 2) de-obligates funds in the amount of (b)(4) from CLINs 0100 and 0103							
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect							
15A. NAME AND TITLE OF SIGNER (Type or print) (b)(6)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) (b)(6)			
15B. DATE SIGNED 26 May 2010				16B. DATE SIGNED 26 May 2010			
(Signature of person authorized to sign)				(Signature of Contracting Officer)			

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION B - SUPPLIES OR SERVICES AND PRICES

SUBCLIN 000404
The CLIN description has changed from Incremental funding for CLIN 0004 to Funding for CLIN 0004.

SUBCLIN 000405
The CLIN description has changed from Incremental Funding for CLIN 0004 to Funding for CLIN 0004.

SUBCLIN 000503
The CLIN description has changed from Incremental Funding for CLIN 0005 to Funding for CLIN 0005.

SUBCLIN 002204
The CLIN description has changed from Incremental Funding for CLIN 0022 to Funding for CLIN 0022.

SUBCLIN 002307
The CLIN description has changed from Incremental Funding for CLIN 0023 to Funding for CLIN 0023.

SUBCLIN 002402
The CLIN description has changed from Incremental Funding for CLIN 0024 to Funding for CLIN 0024.

SUBCLIN 002510
The CLIN description has changed from Incremental Funding for CLIN 0025 to Funding for CLIN 0025.

SUBCLIN 000406 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000406	Funding for CLIN 0004	
	ACRN DW	(b)(4)
	PURCHASE REQUEST NUMBER: AB9MAO03833	

SUBCLIN 000504 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000504	Funding for CLIN 0005	
	ACRN DX	(b)(4)
	PURCHASE REQUEST NUMBER: AB9RAB04802	

SUBCLIN 000605 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000605	Funding for CLIN 0006	
	ACRN DY	(b)(4)
	PURCHASE REQUEST NUMBER: AB9RAB04803	

SUBCLIN 002213 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
002213	Funding for CLIN 0022	
	ACRN DZ	(b)(4)
	PURCHASE REQUEST NUMBER: AB9SEG98031	

SECTION G - CONTRACT ADMINISTRATION DATA

Accounting and Appropriation

Summary for the Payment Office

As a result of this modification, the total funded amount for this document was increased by (b)(4)
from (b)(4) to (b)(4)

SUBCLIN 000404:

BT: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109A0C0487 020329 (CIN
AB9JMM004870001) was increased by (b)(4) from (b)(4) to (b)(4)

SUBCLIN 000405.

CP: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0W109C4C1364 021333 (CIN AB9AS9013640001) was increased by (b)(4) from (b)(4) to (b)(4)

SUBCLIN 000406:

Funding on SUBCLIN 000406 is initiated as follows:

ACRN: DW

CIN: AB9MAO038330001

Acctng Data: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109B1C3833 020503

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 000502:

BU: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109A0C0762 020329 (CIN AB9JMM007620001) was increased by (b)(4) from (b)(4) to (b)(4)

SUBCLIN 000503:

CQ: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0W109C4C2407 021333 (CIN AB9AS9024070001) was increased by (b)(4) from (b)(4) to (b)(4)

SUBCLIN 000504:

Funding on SUBCLIN 000504 is initiated as follows:

ACRN: DX

CIN: AB9RAB048020001

Acctng Data: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109B1C4802 020503

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 000603:

BV: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109A0C0764 020329 (CIN AB9JMM007640001) was increased by (b)(4) from (b)(4) to (b)(4)

SUBCLIN 000604:

CR: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0W109C4C2416 021333 (CIN AB9AS9024160001) was increased by (b)(4) from (b)(4) to (b)(4)

SUBCLIN 000605:

Funding on SUBCLIN 000605 is initiated as follows:

ACRN: DY

CIN: AB9RAB048030001

Acctng Data: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109B1C4803 020503

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 002204:

CA: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109C6C0757 020225 (CIN AB9SEG007570001) was increased by (b)(4) from (b)(4) to (b)(4)

SUBCLIN 002213:

Funding on SUBCLIN 002213 is initiated as follows:

ACRN: DZ

CIN: AB9SEG980310001

Acctng Data: 9790400.2520 09 BM 2520 40603892C00 255Y S12135 MD9B109D1C8031 920514

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 002307:

CG: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109C4C0556 020673 (CIN AB9AS9005560001) was increased by (b)(4) from (b)(4) to (b)(4)

SUBCLIN 002402:

CH: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109C4C0839 020673 (CIN AB9AS9008390001) was increased by (b)(4) from (b)(4) to (b)(4)

SUBCLIN 002510:

CW: 9700400.2520 10 BM 2520 40604881C00 255Y S12135 MD0W109W0C3683 021031 (CIN AB9YLC036830001) was increased by (b)(4) from (b)(4) to (b)(4)

SUBCLIN 010001:

DP: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E209D0P4505 020336 (CIN AB9JMM045050001) was decreased by (b)(4) from (b)(4) to (b)(4)

SUBCLIN 010203:

BM: 97-11X8242 8LJU 252 4Q452 0 068342 2D CCXT01 W44GBESS101Z (CIN N0002408MP508600001) was increased by (b)(4) from (b)(4) to (b)(4)

SUBCLIN 010206:

BQ: 97-11X8242 2862 252 74622 0 065916 2D PJAH44 835080020CAM (CIN N0002409MP601360003) was increased by (b)(4) from (b)(4) to (b)(4)

SUBCLIN 010301.

DQ: 9700400.2520 10 BM 2520 40603892C00.255Y S12135 MD0E209D0P4506 020336 (CTN AB9JMM045060001) was decreased by (b)(4) from (b)(4) to (b)(4)

The following have been modified:

G-06 ALLOTMENT OF FUNDS (MAY 2005)

Pursuant to FAR 52.232-22, "Limitation of Funds," the total amount of funds presently available for payment and allotted to this contract (which covers all items, including fee payable), and the estimated period of performance said funds cover, are as follow:

CLIN	SLIN	ACRN	Cost to LM	IF	AF	Performance Incentive	TOTAL
0001	000101	DJ	(b)(4)				
	000102	DR					
Subtotal							
0002	000201	DL					
	000202	DS					
Subtotal							
0003	000301	DN					
	000302	DT					
Subtotal							
0004	000401	AA					
	000402	AB					
	000403	AC					
	000404	BT					
	000405	CP					
	000406	DW					
Subtotal							
0005	000501	AD					
	000502	BU					
	000503	CQ					
	000504	DX					
Subtotal							
0006	000601	AE					
	000602	AF					
	000603	BV					
	000604	CR					
	000605	DY					
Subtotal							
0011	001101	BS					
Subtotal							
0012	001201	BS					
Subtotal							
0013	001301	BS					
Subtotal							
0017	001701	AG					
	001702	BW					
	001703	DB					

Subtotal		
0018	001801	AH
	001802	BX
	001803	DC
Subtotal		
0019	001901	AJ
	001902	BY
	001903	DD
Subtotal		
0020	002001	AK
	002002	AL
	002003	CX
	002004	CZ
Subtotal		
0021	002101	AM
	002102	CY
	002103	DA
Subtotal		
0022	002201	AN
	002202	AP
	002203	BZ
	002204	CA
	002205	CB
	002206	CC
	002207	CD
	002208	CM
	002209	CS
	002210	CT
	002211	CU
	002212	CV
	002213	DZ
Subtotal		
0023	002301	AQ
	002302	AR
	002303	AS
	002304	AT
	002305	AU
	002306	AV
	002307	CG
	002308	CK
Subtotal		
0024	002401	AW
	002402	CH
	002403	CL
Subtotal		
0025	002501	AX
	002502	AY
	002503	AZ
	002504	BA
	002505	BB
	002506	BC
	002507	BD
	002508	CE

(b)(4)

	002509	CN	(b)(4)
	002510	CW	
	002511	DU	
	002512	DV	
Subtotal			
0026	002601	BE	
	002602	BF	
	002603	BG	
	002604	BH	
Subtotal			
0027	002701	BH	
	002702	BJ	
Subtotal			
0100	010001	DP	
Subtotal			
0102	010201	BK	
	010202	BL	
	010203	BM	
	010204	BN	
	010205	BP	
	010206	BQ	
	010207	BR	
	010208	CF	
	010209	CJ	
	010210	DE	
	010211	DF	
	010212	DG	
	010213	DH	
Subtotal			
0103	010301	DQ	
Subtotal			
TOTAL			

(End of Summary of Changes)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE V		PAGE OF PAGES 1 6	
2. AMENDMENT/MODIFICATION NO. P00021		3. EFFECTIVE DATE 04-Jun-2010		4. REQUISITION/PURCHASE REQ. NO. SEE SCHEDULE		5. PROJECT NO.(If applicable)	
6. ISSUED BY MISSILE DEFENSE AGENCY (MDA) 17211 AVENUE D SUITE 160 DAHLGREN VA 22448-5154		CODE HQ0276		7. ADMINISTERED BY (If other than item 6) DCMA NAVAL SEA SYSTEMS OPERATIONS 3000 MIDLANTIC DRIVE SUITE 201 MOUNT LAUREL NJ 08054		CODE S3110A	
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) LOCKHEED MARTIN CORPORATION 199 BORTON LANDING RD MOORESTOWN NJ 08057-3054				9A. AMENDMENT OF SOLICITATION NO.			
				9B. DATED (SEE ITEM 11)			
				X 10A. MOD. OF CONTRACT/ORDER NO. HQ0276-10-C-0001			
				X 10B. DATED (SEE ITEM 13) 01-Oct-2009			
CODE 02769		FACILITY CODE					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required) See Schedule							
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.							
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.							
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).							
X C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: FAR Clause 52.232-22, Limitation of Funds							
D. OTHER (Specify type of modification and authority)							
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Modification Control Number: (b)(4) The purpose of this modification is to obligate funds in the amount of (b)(4) for CLINs 0004/0005/0006, 0023/0024, and 0026/0027.							
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)			
				(b)(6) CONTRACTING OFFICER TEL: (b)(6) EMAIL: (b)(6)			
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA		16C. DATE SIGNED	
(Signature of person authorized to sign)				(b)(6) BY _____ (Signature of Contracting Officer)		04-Jun-2010	

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION B - SUPPLIES OR SERVICES AND PRICES

SUBCLIN 002605 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
002605	Funding for CLIN 0026	
	ACRN EA	(b)(4)
	PURCHASE REQUEST NUMBER: AB9KMB04948	

SUBCLIN 002703 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
002703	Funding for CLIN 0027	
	ACRN EB	(b)(4)
	PURCHASE REQUEST NUMBER: AB9KMB04949	

SECTION G - CONTRACT ADMINISTRATION DATA

Accounting and Appropriation

Summary for the Payment Office

As a result of this modification, the total funded amount for this document was increased by (b)(4)
from (b)(4)

SUBCLIN 000404:

BT: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109A0C0487 020329 (CIN
AB9JMM004870001) was increased by (b)(4)

SUBCLIN 000502:

BU: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109A0C0762 020329 (CIN
AB9JMM007620001) was increased by (b)(4)

SUBCLIN 000603:

BV: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109A0C0764 020329 (CIN
AB9JMM007640001) was increased by (b)(4)

SUBCLIN 002307:

CG: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109C4C0556 020673 (CIN AB9AS9005560001) was increased by (b)(4)

SUBCLIN 002402:

CH: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109C4C0839 020673 (CIN AB9AS9008390001) was increased by (b)(4)

SUBCLIN 002605:

Funding on SUBCLIN 002605 is initiated as follows:

ACRN: EA

CIN: AB9KMB049480001

Acctng Data: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E209D0C4948 020336

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 002703:

Funding on SUBCLIN 002703 is initiated as follows:

ACRN: EB

CIN: AB9KMB049490001

Acctng Data: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E209D0C4949 020336

Increase: (b)(4)

Total: (b)(4)

The following have been modified:

G-06 ALLOTMENT OF FUNDS (MAY 2005)

Pursuant to FAR 52.232-22, "Limitation of Funds," the total amount of funds presently available for payment and allotted to this contract (which covers all items, including fee payable), and the estimated period of performance said funds cover, are as follow:

CLIN	SLIN	ACRN	Cost to LM	IF	AF	Performance Incentive	TOTAL
0001	000101	DJ	(b)(4)				
	000102	DR					
Subtotal							
0002	000201	DL					
	000202	DS					
Subtotal							

0003	000301	DN	(b)(4)
	000302	DT	
Subtotal			
0004	000401	AA	
	000402	AB	
	000403	AC	
	000404	BT	
	000405	CP	
	000406	DW	
Subtotal			
0005	000501	AD	
	000502	BU	
	000503	CQ	
	000504	DX	
Subtotal			
0006	000601	AE	
	000602	AF	
	000603	BV	
	000604	CR	
	000605	DY	
Subtotal			
0011	001101	BS	
Subtotal			
0012	001201	BS	
Subtotal			
0013	001301	BS	
Subtotal			
0017	001701	AG	
	001702	BW	
	001703	DB	
Subtotal			
0018	001801	AH	
	001802	BX	
	001803	DC	
Subtotal			
0019	001901	AJ	
	001902	BY	
	001903	DD	
Subtotal			
0020	002001	AK	
	002002	AL	
	002003	CX	
	002004	CZ	
Subtotal			
0021	002101	AM	
	002102	CY	
	002103	DA	
Subtotal			
0022	002201	AN	
	002202	AP	
	002203	BZ	
	002204	CA	
	002205	CB	

	002206	CC
	002207	CD
	002208	CM
	002209	CS
	002210	CT
	002211	CU
	002212	CV
	002213	DZ
Subtotal		
0023	002301	AQ
	002302	AR
	002303	AS
	002304	AT
	002305	AU
	002306	AV
	002307	CG
	002308	CK
Subtotal		
0024	002401	AW
	002402	CH
	002403	CL
Subtotal		
0025	002501	AX
	002502	AY
	002503	AZ
	002504	BA
	002505	BB
	002506	BC
	002507	BD
	002508	CE
	002509	CN
	002510	CW
	002511	DU
	002512	DV
Subtotal		
0026	002601	BE
	002602	BF
	002603	BG
	002604	BH
	002605	EA
Subtotal		
0027	002701	BH
	002702	BJ
	002703	EB
Subtotal		
0100	010001	DP
Subtotal		
0102	010201	BK
	010202	BL
	010203	BM
	010204	BN
	010205	BP
	010206	BQ

(b)(4)

	010207	BR
	010208	CF
	010209	CJ
	010210	DE
	010211	DF
	010212	DG
	010213	DH
Subtotal		
0103	010301	DQ
Subtotal		
TOTAL		

(b)(4)

(End of Summary of Changes)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE V		PAGE OF PAGES 1 6	
2. AMENDMENT/MODIFICATION NO. P00022		3. EFFECTIVE DATE 11-Jun-2010		4. REQUISITION/PURCHASE REQ. NO. SEE SCHEDULE		5. PROJECT NO.(If applicable)	
6. ISSUED BY MISSILE DEFENSE AGENCY (MDA) 17211 AVENUE D SUITE 160 DAHLGREN VA 22448-5154		CODE HQ0276		7. ADMINISTERED BY (If other than item 6) DCMA NAVAL SEA SYSTEMS OPERATIONS 3000 MIDLANTIC DRIVE SUITE 201 MOUNT LAUREL NJ 08054		CODE S3110A	
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) LOCKHEED MARTIN CORPORATION 199 BORTON LANDING RD MOORESTOWN NJ 08057-3054				9A. AMENDMENT OF SOLICITATION NO.			
				9B. DATED (SEE ITEM 11)			
				X 10A. MOD. OF CONTRACT/ORDER NO. HQ0276-10-C-0001			
				X 10B. DATED (SEE ITEM 13) 01-Oct-2009			
CODE 02769		FACILITY CODE					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required) See Schedule							
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.							
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.							
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).							
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:							
X D. OTHER (Specify type of modification and authority) FAR Clause 52.232-22, Limitations of Funds, and (b)(4)							
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Modification Control Number: (b)(4) The purpose of this modification is to 1) obligate funds in the amount of \$3,809,813 for CLINs 0013, 0017/0018/0019, 0020/0021, and 0022; 2) incorporate Revision 1 of Attachment J-3, Award Fee Plan and 3) incorporate revised CDRL A021, Reliability Allocations, Assessments and Analysis Report.							
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)			
				(b)(6) CONTRACTING OFFICER			
				TEL: (b)(6) EMAIL: (b)(6)			
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA		16C. DATE SIGNED	
(Signature of person authorized to sign)				BY (b)(6)		11-Jun-2010	
				(Signature of Contracting Officer)			

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

CDRL A021, Reliability Allocations, Assessments and Analysis Report, is hereby revised to modify the delivery date for final submission of the report from "180 days after CDR" to "120 days after IPR #4" for CLINs 0004 and 0011. This revision is in accordance with LM MS2's request via (b)(4) dated 12 May 2010 and the Aegis BMD 5.0 and MMSP Baseline Manager's concurrence.

Attachment J-3, Award Fee Plan, has been revised to modify Annex 1 updating the Award Fee Review Board membership and Performance Monitors. This modification hereby incorporates Attachment J-3, Revision 1.

SECTION B - SUPPLIES OR SERVICES AND PRICES

SUBCLIN 002005 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
002005	Funding for CLIN 0020	
	ACRN EC	(b)(4)
	PURCHASE REQUEST NUMBER: AB9KMB05015	

SUBCLIN 002104 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
002104	Funding for CLIN 0021	
	ACRN ED	(b)(4)
	PURCHASE REQUEST NUMBER: AB9KMB05016	

SECTION G - CONTRACT ADMINISTRATION DATA

Accounting and Appropriation

Summary for the Payment Office

As a result of this modification, the total funded amount for this document was increased by (b)(4) from (b)(4)

SUBCLIN 001301:

BS: 1701319 A5BJ 253 SASWS 0 068342 2D 960510 K32320000010 (CIN N0002410MP106790001) was increased by (b)(4)

SUBCLIN 001702:

BW: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0W109I0C0458 020341 (CIN AB9RAB004580001) was increased by (b)(4)

SUBCLIN 001802:

BX: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0W109I0C0615 020341 (CIN AB9RAB006150001) was increased by (b)(4)

SUBCLIN 001902:

BY: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0W109I0C0618 020341 (CIN AB9RAB006180001) was increased by (b)(4)

SUBCLIN 002005:

Funding on SUBCLIN 002005 is initiated as follows:

ACRN: EC

CIN: AB9KMB050150001

Acctng Data: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109B1C5015 020503

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 002104:

Funding on SUBCLIN 002104 is initiated as follows:

ACRN: ED

CIN: AB9KMB050160001

Acctng Data: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109B1C5016 020503

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 002212:

CV: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109B1C2993 020503 (CIN AB9MAO029930001) was increased by (b)(4)

The following have been modified:

G-06 ALLOTMENT OF FUNDS (MAY 2005)

Pursuant to FAR 52.232-22, "Limitation of Funds," the total amount of funds presently available for payment and allotted to this contract (which covers all items, including fee payable), and the estimated period of performance said funds cover, are as follow:

(b)(4)



(b)(4)



(b)(4)



(End of Summary of Changes)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE V		PAGE OF PAGES 1 7	
2. AMENDMENT/MODIFICATION NO. P00023		3. EFFECTIVE DATE 24-Jun-2010		4. REQUISITION/PURCHASE REQ. NO. SEE SCHEDULE		5. PROJECT NO.(If applicable)	
6. ISSUED BY MISSILE DEFENSE AGENCY (MDA) 17211 AVENUE D SUITE 160 DAHLGREN VA 22448-5154		CODE HQ0276		7. ADMINISTERED BY (If other than item 6) DCMA NAVAL SEA SYSTEMS OPERATIONS 3000 MIDLANTIC DRIVE SUITE 201 MOUNT LAUREL NJ 08054		CODE S3110A	
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) LOCKHEED MARTIN CORPORATION 199 BORTON LANDING RD MOORESTOWN NJ 08057-3054				9A. AMENDMENT OF SOLICITATION NO.			
				9B. DATED (SEE ITEM 11)			
				X 10A. MOD. OF CONTRACT/ORDER NO. HQ0276-10-C-0001			
				X 10B. DATED (SEE ITEM 13) 01-Oct-2009			
CODE 02769		FACILITY CODE					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required) See Schedule							
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.							
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.							
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).							
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:							
X D. OTHER (Specify type of modification and authority) IAW "Technical Schedule Performance Incentive Fee" clause & FAR 52.232-22							
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Modification Control Number: (b)(4) The purpose of this modification is to 1) authorize payment of technical/schedule performance incentive fee for the Aegis BMD 5.0 IPR #4 conducted on 25-27 May 2010; 2) obligate funds in the amount of (b)(4) for CLIN 0022; and 3) incorporate the First Supplement to Attachment J-11 OCI Mitigation Plan which extends the plan to 30 September 2010.							
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) (b)(6) CONTRACTING OFFICER			
				TEL: (b)(6) EMAIL: (b)(6)			
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA (b)(6) BY _____ (Signature of Contracting Officer)		16C. DATE SIGNED 24-Jun-2010	

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

Attachment J-11, (b)(4) OCI Mitigation Plan, is hereby revised to incorporate the "First Supplement to the OCI Mitigation Plan". This revision extends the expiration date to 30 September 2010.

SECTION B - SUPPLIES OR SERVICES AND PRICES

The following have been modified:

TECHNICAL/SCHEDULE PERF I/F
TECHNICAL/SCHEDULE PERFORMANCE INCENTIVE FEE

The total available Technical/Schedule Performance Incentive Fee for CLINs 0003 (Option), 0006, 0013, and 0019, as outlined in the table below are subject to the limitations and protections of FAR 52.232-22 Limitation of Funds, and will be incrementally funded.

If the contractor successfully achieves the mandated milestone event, as defined in Attachments J-4 and J-8 to this contract, by the due date specified, the Contracting Officer will provide the Technical/Schedule Performance Incentive Fee associated with that milestone event. To ensure timely payment, the contractor shall provide written notification to the Contracting Officer of the scheduled date(s) for Technical/Schedule Milestone Events at least thirty (30) days in advance. The Contracting Officer will authorize the contractor to bill for Technical/Schedule Performance Incentive Fee earned for the milestone event in question via electronic transmission within 15 days after the due date.

The Government is under NO obligation to roll over unearned Technical/Schedule Performance Incentive Fee, however, it hereby reserves the right to unilaterally roll over some or all of the unearned fee to later evaluation periods.

The Contracting Officer, in consultation with the Aegis BMD Program Director, is the Determining Official with regard to Technical/Schedule Performance Incentive Fee. The Fee Determining Official for all other Award Fees is MDA/D. Determinations of the Contracting Officer with respect to the payment of Technical/Schedule Performance Incentive Fee to the contractor and the rolling over of any unearned fee are final, unilateral decisions made solely at the discretion of the Contracting Officer.

If the contractor anticipates it will or actually does fail to meet a stated milestone as outlined in Attachment J-4, it shall promptly notify the Contracting Officer in writing explaining the root cause and as applicable, request relief in accordance with FAR 52.249-14, Excusable Delays.

Milestone Event	Potential Incentive Fee	Earned Fee
CLIN 0001- BMD 4.0.1 (Option)	CLIN 0003 (Option) (Note A)	
Conduct FTM-16	(b)(4)	
Complete CPAP		
Integrated Baseline Review (IBR)		
Complete Certification		
Conduct FTM-17		
FY11 CG Installation Complete		
CLIN 0004 – BMD 5.0		
IBR		(b)(4)
IPR #4		
IPR #5		

Complete System Demonstration
DDG-53 Installation Complete
Complete CPAP
Complete Certification
Additional ECS “Assess To”
Threat into Compliance in Cert
Load (See Note B) (Threat #1)
Additional ECS “Assess To”
Threat into Compliance in Cert
Load (See Note B) (Threat #2)

CLIN 0011 – MMSP
IBR
Multi-Mission Exercise
Production Readiness Review
D(V) Performance Demo

CLIN 0017 – BMD 5.1
System Requirements Review
System Design Review

(b)(4)

(b)(4)

Note A: CLIN 0003 is an Option

Note B: CLIN 0006

a. If the Contractor delivers “In Compliance” capability in the Aegis BMD Baseline 5.0 Weapon System against the following Threats as subsequently verified and validated by FTMs and/or Ground Test Campaign(s), as defined in Attachments J-7 and J-8, the Contractor will receive a Technical/Schedule Performance Incentive Fee of X percent of the Estimated Cost of CLIN 0004 for each Threat:

Threat #1 _____ (to be selected from “Assess To” Threats listed in the Aegis BMD 5.0 Element Capability Specification)

Threat #2 _____ (to be selected from “Assess To” Threats listed in the Aegis BMD 5.0 Element Capability Specification)

b. The additional capability must be delivered without growth to the Estimated Cost of CLIN 0004 or delay to the schedule of the Aegis BMD Baseline 5.0 Weapons System per Attachment J-4 to this contract.

c. The Contractor must follow the established MDA/AB System Engineering Process, as defined in the MDA/AB System Engineering Management Plan (SEMP) and Attachments J-7 and J-8, in design, development and test including peer review of performance analyses and design trades to assure a robust design space and not “Point Solution(s)” for the delivered Weapons System.

d. Balanced Technical Performance Measures, as defined in Attachment J-7, must be established at the In Process Design Reviews and satisfied by the delivered Weapons System.

e. The Government encourages the Contractor as the Combat System Engineering Agent to suggest technical performance improvements to the Combat System (including the Weapons System and the SM-3 Missile) which might support the above additional “In Compliance” Weapons System capability, however, the Government can make no commitment to change the SM-3 missile to support the Contractor in earning the above Technical/Schedule Performance Incentive Fee(s).

Summary for the Payment Office

SUBCLIN 002213:

The following have been modified:

G-06 ALLOTMENT OF FUNDS (MAY 2005)

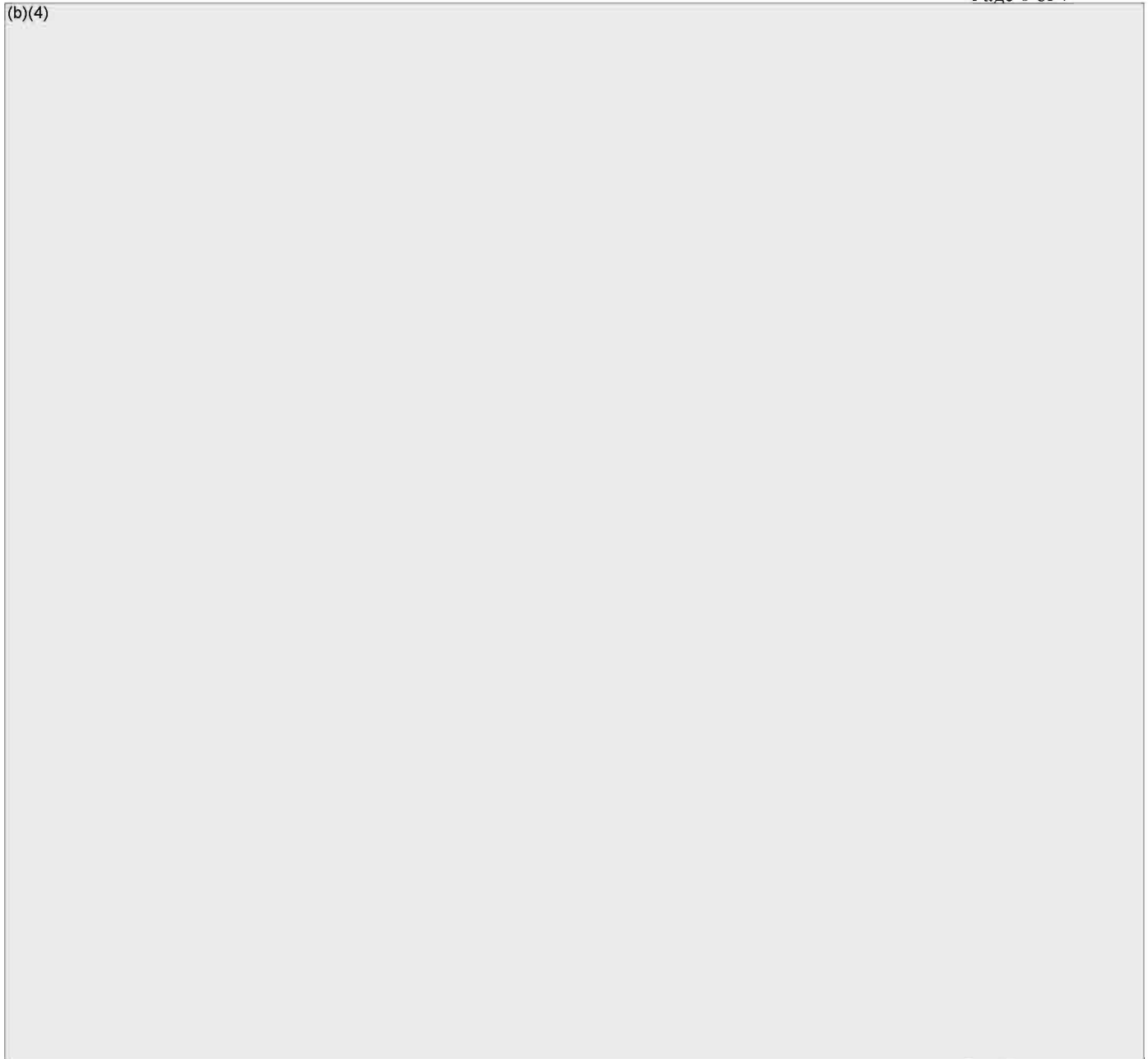
Pursuant to FAR 52.232-22, "Limitation of Funds," the total amount of funds presently available for payment and allotted to this contract (which covers all items, including fee payable), and the estimated period of performance said funds cover, are as follow:

CLIN	SLIN	ACRN	Cost to LM	IF	AF	Performance Incentive	TOTAL
------	------	------	------------	----	----	-----------------------	-------

(b)(4)



(b)(4)



SECTION J - LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

The following have been modified:

LIST OF DOCUMENTS

DOCUMENT TYPE	DESCRIPTION	PAGES	DATE
Exhibit A	CDRLs	54	29 April 2010
Enclosure 1 to Exhibit A	Addressee List	1	1 October 2009

Enclosure 2 to Exhibit A	Data Distribution List	14	1 October 2009
Enclosure 3 to Exhibit A	Software Resources Data Reporting – Initial	2	1 October 2009
Enclosure 4 to Exhibit A	Software Resources Data Reporting – Final	2	1 October 2009
Enclosure 5 to Exhibit A	Computer Program Data	4	1 October 2009
Encl 6/6a to CDRL A043	Product Drawings and Associated Lists	2	1 October 2009
Encl 7 to CDRL A044	Commercial Drawings/Models and Associated Lists	1	1 October 2009
Encl 8 to CDRL A046	Specifications	1	1 October 2009
Encl 9 to CDRL A047	Special Inspection Equipment Drawings and Associated Lists	1	1 October 2009
Encl 10 to CDRL A048	Special Tooling Drawings and Associated Lists	1	1 October 2009
Encl 11	RESERVED		
Encl 12 to CDRL A051	Specifications	1	1 October 2009
Attachment J-1	Statement of Work	32	1 October 2009
Attachment J-2	DD 254	18	1 October 2009
Attachment J-3	Award Fee Plan	17	1 October 2009
Attachment J-4	Program Integrated Master Schedule	1	1 October 2009
Attachment J-5	GFE/GFI	38	1 October 2009
Attachment J-6	Preliminary Work Breakdown Structure	8	1 October 2009
Attachment J-7	Technical Review Manual	27	1 October 2009
Attachment J-8	Milestone Event Completion Criteria	2	1 October 2009
Attachment J-9	Commercial Computer Software and Open Source Software List	3	1 October 2009
Attachment J-10	Data Rights Assertions	3	26 October 2009
Attachment J-11	(b)(4) OCI Mitigation Plan	27	1 October 2009
	First Supplement to OCI Mitigation Plan	2	23 June 2010

(End of Summary of Changes)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE V		PAGE OF PAGES 1 7	
2. AMENDMENT/MODIFICATION NO. P00024		3. EFFECTIVE DATE 01-Jul-2010		4. REQUISITION PURCHASE REQ. NO. SEE SCHEDULE		5. PROJECT NO. (if applicable)
6. ISSUED BY MISSILE DEFENSE AGENCY (MDA) 17211 AVENUE D SUITE 180 DAHLGREN VA 22448-5154		CODE HQ0276	7. ADMINISTERED BY (If other than item 6) DCMA NAVAL SEA SYSTEMS DIVISIONS 3000 MIDLANTIC DRIVE SUITE 201 MOUNT LAUREL NJ 08054			
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) LOCKHEED MARTIN CORPORATION 199 BORTON LANDING RD MOORESTOWN NJ 08057 3054			9A. AMENDMENT OF SOLICITATION NO.			
			9B. DATED (SEE ITEM 11)			
			X 10A. MOD. OF CONTRACT/ORDER NO. HQ0276-30-C-0001			
			X 10B. DATED (SEE ITEM 11) 01-Oct-2009			
CODE 02769		FACILITY CODE				
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS						
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended. <input type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or is amended by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment. (b) By acknowledging receipt of this amendment on each copy of the offer submitted. or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.						
12. ACCOUNTING AND APPROPRIATION DATA (If required) See Schedule						
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14						
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A						
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B)						
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF						
X D. OTHER (Specify type of modification and authority) FAR 52.232-22, Limitation of Funds & (b)(4)						
E. IMPORTANT Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return <u>1</u> copies to the issuing office						
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible) Modification Control Number: (b)(4) The purpose of this modification is to 1) obligate funds in the amount of (b)(4) 161 for CLINs 0004/0005/0006, 0020/0021, 0022, and 0025 2) increase CLIN 0001 ceiling value, and 3) add SLIN 010503 to provide instructions for the JABMD JCOM Computer Program requirements The ceiling increase to CLIN 0001 is to account for a rephrasing of tasks from the N00024-03-C-6110 contract for the RF Coherent Combiner VLS, and NGP efforts						
I, the undersigned, certify that the contents and conditions of the document referred to in Item 2 or 10A, is heretofore true and correct, and in full force and effect.						
15A. NAME AND TITLE OF SIGNER (Type or print) (b)(6)			15B. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) (b)(6) (b)(6)			
15C. DATE SIGNED 07/06/2010			15D. DATE SIGNED 06 July 2010			
15E. CONTRACTOR OFFER NO. (b)(6)			15F. UNITED STATES OF AMERICA B1 (b)(6)			
(Signature of person authorized to sign)			(Signature of Contracting Officer)			

EXCEPTION TO SF 30
APPROVED BY OIRM 11-84

30-105-04

STANDARD FORM 30 (Rev. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION A - SOLICITATION/CONTRACT FORM

The total cost of this contract was increased by (b)(4) to (b)(4)

SECTION B - SUPPLIES OR SERVICES AND PRICES

CLIN 0001

The target cost has increased by (b)(4)
The target profit/fee has increased by (b)(4)
The total cost of this line item has increased by (b)(4)

CLIN 0002

The estimated/max cost has increased by (b)(4)
The total cost of this line item has increased by (b)(4)

CLIN 0003

The estimated/max cost has increased by (b)(4)
The total cost of this line item has increased by (b)(4)

CLIN 0105

The CLIN description has changed from Material to Support JCPTS Upgrade to Material to Support Aegis BMD.

SUBCLIN 002214 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
002214	Incremental Funding for CLIN 0022	
	ACRN EE	(b)(4)
	PURCHASE REQUEST NUMBER: AB9SEG98204	

SUBCLIN 002513 is added as follows:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
002513	Incremental Funding for CLIN 0025 CPAF FOB: Destination PURCHASE REQUEST NUMBER: DO9JET05331				(b)(4)
				ESTIMATED COST	
				BASE FEE	
				SUBTOTAL EST COST + BASE	
				MAX AWARD FEE	
				TOTAL EST COST + FEE	
	ACRN EF CIN: DO9JET053310001				

SUBCLIN 010503 is added as follows:

JABMD JCOM Computer Program

010503

SECTION E - INSPECTION AND ACCEPTANCE

The following Acceptance/Inspection Schedule was added for SUBCLIN 002214:

INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
N/A	N/A	N/A	Government

The following Acceptance/Inspection Schedule was added for SUBCLIN 002513:

INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
N/A	N/A	N/A	Government

The following Acceptance/Inspection Schedule was added for SUBCLIN 010503:

INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
N/A	N/A	N/A	Government

The following have been added by full text:

JABMD JCOM

SLIN 010503 JCPTS JCOM – The JCOM computer programs shall be inspected by the cognizant DCMA Representative and accepted by the Aegis BMD Technical Representative via DD 250 following completion of a System Acceptance Test (SAT) and a Computer Program Acceptance Panel (CPAP).

SECTION G - CONTRACT ADMINISTRATION DATA

Accounting and Appropriation

Summary for the Payment Office

As a result of this modification, the total funded amount for this document was increased by (b)(4) from (b)(4)

SUBCLIN 000404:

BT: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109A0C0487 020329 (CIN AB9JMM004870001) was increased by (b)(4)

SUBCLIN 000502:

BU: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109A0C0762 020329 (CIN AB9JMM007620001) was increased by (b)(4)

SUBCLIN 000603:

BV: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109A0C0764 020329 (CIN AB9JMM007640001) was increased by (b)(4)

SUBCLIN 002003:

CX: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0X309D0C4001 020357 (CIN AB9RAB040010001) was increased by (b)(4)

SUBCLIN 002102:

CY: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0X309D0C4002 020357 (CIN AB9RAB040020001) was increased by (b)(4)

SUBCLIN 002214:

Funding on SUBCLIN 002214 is initiated as follows:

ACRN: EE

CIN: AB9SEG982040001

Acctng Data: 9790400.2520 09 BM 2520 40603892C00 255Y S12135 MD9E109B8C8204 920853

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 002513:

Funding on SUBCLIN 002513 is initiated as follows:

ACRN: EF

CIN: DO9JET053310001

Acctng Data: 9700400.2520 10 BM 2520 40603891C00 255X S12135 MD0W127A0C5331 020295

Increase: (b)(4)

Total: (b)(4)

The following have been modified:

G-06 ALLOTMENT OF FUNDS (MAY 2005)

Pursuant to FAR 52.232-22, "Limitation of Funds," the total amount of funds presently available for payment and allotted to this contract (which covers all items, including fee payable), and the estimated period of performance said funds cover, are as follow:

CLIN	SLIN	ACRN	Cost to LM	IF	AF	Performance Incentive	TOTAL
0001	000101	DJ	(b)(4)				
	000102	DR					
Subtotal							
0002	000201	DL					
	000202	DS					
Subtotal							
0003	000301	DN					
	000302	DT					
Subtotal							
0004	000401	AA					
	000402	AB					
	000403	AC					
	000404	BT					
	000405	CP					
	000406	DW					
Subtotal							
0005	000501	AD					
	000502	BU					
	000503	CQ					
	000504	DX					
Subtotal							
0006	000601	AE					
	000602	AF					
	000603	BV					
	000604	CR					
	000605	DY					
Subtotal							
0011	001101	BS					
Subtotal							
0012	001201	BS					

Subtotal			(b)(4)
0013	001301	BS	
Subtotal			
0017	001701	AG	
	001702	BW	
	001703	DB	
Subtotal			
0018	001801	AH	
	001802	BX	
	001803	DC	
Subtotal			
0019	001901	AJ	
	001902	BY	
	001903	DD	
Subtotal			
0020	002001	AK	
	002002	AL	
	002003	CX	
	002004	CZ	
	002005	EC	
Subtotal			
0021	002101	AM	
	002102	CY	
	002103	DA	
	002104	ED	
Subtotal			
0022	002201	AN	
	002202	AP	
	002203	BZ	
	002204	CA	
	002205	CB	
	002206	CC	
	002207	CD	
	002208	CM	
	002209	CS	
	002210	CT	
	002211	CU	
	002212	CV	
	002213	DZ	
	002214	EE	
Subtotal			
0023	002301	AQ	
	002302	AR	
	002303	AS	
	002304	AT	
	002305	AU	
	002306	AV	
	002307	CG	
	002308	CK	
Subtotal			
0024	002401	AW	
	002402	CH	
	002403	CL	

Subtotal			(b)(4)
0025	002501	AX	
	002502	AY	
	002503	AZ	
	002504	BA	
	002505	BB	
	002506	BC	
	002507	BD	
	002508	CE	
	002509	CN	
	002510	CW	
	002511	DU	
	002512	DV	
	002513	EF	
Subtotal			
0026	002601	BE	
	002602	BF	
	002603	BG	
	002604	BH	
	002605	EA	
Subtotal			
0027	002701	BH	
	002702	BJ	
	002703	EB	
Subtotal			
0100	010001	DP	
Subtotal			
0102	010201	BK	
	010202	BL	
	010203	BM	
	010204	BN	
	010205	BP	
	010206	BQ	
	010207	BR	
	010208	CF	
	010209	CJ	
	010210	DE	
	010211	DF	
	010212	DG	
	010213	DH	
Subtotal			
0103	010301	DQ	
Subtotal			
TOTAL			

(End of Summary of Changes)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE V		PAGE OF PAGES 1 5	
2. AMENDMENT/MODIFICATION NO. P00025		3. EFFECTIVE DATE 23 Jul 2010		4. REQUISITION/PURCHASE REQ. NO. SEE SCHEDULE		5. PROJECT NO. (if applicable)	
6. ISSUED BY MISSILE DEFENSE AGENCY (MDA) 17211 AVENUE D SUITE 160 DAHLGREN VA 22448-5154		CODE HQ0276		7. ADMINISTERED BY (If other than item 6) DCMA NAVAL SEA SYSTEMS OPERATIONS 3000 MIDLANTIC DRIVE SUITE 201 MOUNT LAUREL NJ 08054		CODE S3110A	
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) LOCKHEED MARTIN CORPORATION 199 BORTON LANDING RD MOORESTOWN NJ 08057-3054				9A. AMENDMENT OF SOLICITATION NO.			
				9B. DATED (SEE ITEM 11)			
				X 10A. MOD. OF CONTRACT/ORDER NO. HQ0276-10-C-0001			
				X 10B. DATED (SEE ITEM 13) 01-Oct-2009			
CODE 02769		FACILITY CODE					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment. (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required) See Schedule							
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.							
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.							
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).							
X C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF FAR 52.232-22, Limitations of Funds							
D. OTHER (Specify type of modification and authority)							
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return 1 copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Modification Control Number: (b)(4) The purpose of this modification is to 1) obligate funds in the amount of (b)(4) for CLINs 0022 and 0102; and 2) de-obligate funds in the amount of (b)(4) from CLINs 0023/0024.							
Except as provided herein, all terms and conditions of the document referenced in Item 7A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNED AT (b)(6)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) (b)(6) (b)(6)			
15B. CONTRACTOR/OFFEROR (b)(6)				16B. DATE SIGNED 22 JULY 2010			
(Signature of person authorized to sign)				(Signature of Contracting Officer) 23 July 2010			

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION B - SUPPLIES OR SERVICES AND PRICES

SUBCLIN 010214 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
010214	Funding for CLIN 0102 FMS Case JA-P-FLW	
	ACRN EG	(b)(4)
	PURCHASE REQUEST NUMBER: N0002410MP61154	

SECTION G - CONTRACT ADMINISTRATION DATA

Accounting and Appropriation

Summary for the Payment Office

As a result of this modification, the total funded amount for this document was increased by (b)(6) from (b)(6)

SUBCLIN 002214:

EE: 9790400.2520 09 BM 2520 40603892C00 255Y S12135 MD9E109B8C8204 920853 (CIN AB9SEG982040001) was increased by (b)(6)

SUBCLIN 002307:

CG: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109C4C0556 020673 (CIN AB9AS9005560001) was decreased by (b)(6)

SUBCLIN 002402:

CH: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109C4C0839 020673 (CIN AB9AS9008390001) was decreased by (b)(4)

SUBCLIN 010202:

BL: 97-11X8242 8ONL 252 40452 0 068342 2D CCXT01 W44GSESS101Z (CIN N0002408MP504180001) was increased by (b)(4)

SUBCLIN 010214:

Funding on SUBCLIN 010214 is initiated as follows:

ACRN: EG

CIN: N0002410MP611540001

Acctng Data: 97-11X8242 2862 252 74622 0 065916 2D PJAH44 006080370FLW

Increase: (b)(4)

Total: (b)(4)

FMS Case Number: JA-P-FLW

The following have been modified:

G-06 ALLOTMENT OF FUNDS (MAY 2005)

Pursuant to FAR 52.232-22, "Limitation of Funds," the total amount of funds presently available for payment and allotted to this contract (which covers all items, including fee payable), and the estimated period of performance said funds cover, are as follow:

CLIN	SLIN	ACRN	Cost to LM	IF	AF	Performance Incentive	TOTAL
0001	000101	DJ	(b)(4)				
	000102	DR					
Subtotal							
0002	000201	DL					
	000202	DS					
Subtotal							
0003	000301	DN					
	000302	DT					
Subtotal							
0004	000401	AA					
	000402	AB					
	000403	AC					
	000404	BT					
	000405	CP					
	000406	DW					
Subtotal							
0005	000501	AD					
	000502	BU					
	000503	CQ					
	000504	DX					
Subtotal							
0006	000601	AE					
	000602	AF					
	000603	BV					
	000604	CR					
	000605	DY					
Subtotal							
0011	001101	BS					
Subtotal							
0012	001201	BS					
Subtotal							
0013	001301	BS					

Subtotal			(b)(4)
0017	001701	AG	
	001702	BW	
	001703	DB	
Subtotal			
0018	001801	AH	
	001802	BX	
	001803	DC	
Subtotal			
0019	001901	AJ	
	001902	BY	
	001903	DD	
Subtotal			
0020	002001	AK	
	002002	AL	
	002003	CX	
	002004	CZ	
	002005	EC	
Subtotal			
0021	002101	AM	
	002102	CY	
	002103	DA	
	002104	ED	
Subtotal			
0022	002201	AN	
	002202	AP	
	002203	BZ	
	002204	CA	
	002205	CB	
	002206	CC	
	002207	CD	
	002208	CM	
	002209	CS	
	002210	CT	
	002211	CU	
	002212	CV	
	002213	DZ	
	002214	EE	
Subtotal			
0023	002301	AQ	
	002302	AR	
	002303	AS	
	002304	AT	
	002305	AU	
	002306	AV	
	002307	CG	
	002308	CK	
Subtotal			
0024	002401	AW	
	002402	CH	
	002403	CL	
Subtotal			
0025	002501	AX	

	002502	AY	(b)(4)
	002503	AZ	
	002504	BA	
	002505	BB	
	002506	BC	
	002507	BD	
	002508	CE	
	002509	CN	
	002510	CW	
	002511	DU	
	002512	DV	
	002513	EF	
Subtotal			
0026	002601	BE	(b)(4)
	002602	BF	
	002603	BG	
	002604	BH	
	002605	EA	
Subtotal			
0027	002701	BH	
	002702	BJ	
	002703	EB	
Subtotal			
0100	010001	DP	
Subtotal			
0102	010201	BK	(b)(4)
	010202	BL	
	010203	BM	
	010204	BN	
	010205	BP	
	010206	BQ	
	010207	BR	
	010208	CF	
	010209	CJ	
	010210	DE	
	010211	DF	
	010212	DG	
	010213	DH	
	010214	EG	
Subtotal			
0103	010301	DQ	(b)(4)
Subtotal			
TOTAL			

(End of Summary of Changes)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE V		PAGE OF PAGES 1 11	
2. AMENDMENT/MODIFICATION NO. P00026		3. EFFECTIVE DATE 05-Aug-2010		4. REQUISITION/PURCHASE REQ. NO. SEE SCHEDULE		5. PROJECT NO.(If applicable)	
6. ISSUED BY MISSILE DEFENSE AGENCY (MDA) 17211 AVENUE D SUITE 160 DAHLGREN VA 22448-5154		CODE HQ0276		7. ADMINISTERED BY (If other than item 6) DCMA NAVAL SEA SYSTEMS OPERATIONS 3000 MIDLANTIC DRIVE SUITE 201 MOUNT LAUREL NJ 08054		CODE S3110A	
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) LOCKHEED MARTIN CORPORATION 199 BORTON LANDING RD MOORESTOWN NJ 08057-3054				9A. AMENDMENT OF SOLICITATION NO.			
				9B. DATED (SEE ITEM 11)			
				X 10A. MOD. OF CONTRACT/ORDER NO. HQ0276-10-C-0001			
				X 10B. DATED (SEE ITEM 13) 01-Oct-2009			
CODE 02769		FACILITY CODE					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required) See Schedule							
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.							
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.							
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).							
X C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: FAR Clause 52.232-22, Limitation of Funds							
D. OTHER (Specify type of modification and authority)							
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Modification Control Number: (b)(4) The purpose of this modification is to obligate funds in the amount of (b)(4) for CLINs 0001/0002/0003, 0004/0005/0006, 0020/0021, 0022, 0023/0024, 0025, 0026/0027, and 0100/0103.							
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) (b)(6) CONTRACTING OFFICER TEL: (b)(6) EMAIL: (b)(6)			
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA (b)(6) BY		16C. DATE SIGNED 05-Aug-2010 (Signature of Contracting Officer)	

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION B - SUPPLIES OR SERVICES AND PRICES

SUBCLIN 002006 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
002006	Funding for CLIN 0020	
	ACRN EH	(b)(4)
	PURCHASE REQUEST NUMBER: AB9KCT05925	

SUBCLIN 002105 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
002105	Funding for CLIN 0021	
	ACRN EJ	(b)(4)
	PURCHASE REQUEST NUMBER: AB9KCT05926	

SUBCLIN 002215 is added as follows:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
002215	Funding for CLIN 0022				(b)(4)
	CPAF				
	FOB: Destination				
	PURCHASE REQUEST NUMBER: AB9RAB05863				
	ACRN EK				
	CIN: AB9RAB058630001				

SUBCLIN 002309 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
002309	Funding for CLIN 0023	
	ACRN EL	(b)(4)
	PURCHASE REQUEST NUMBER: AB9SEG98358	

SUBCLIN 002404 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
002404	Funding for CLIN 0024	
	ACRN EM	(b)(4)
	PURCHASE REQUEST NUMBER: AB9SEG98359	

SUBCLIN 002514 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
002514	Funding for CLIN 0025	
	ACRN EN	(b)(4)
	PURCHASE REQUEST NUMBER: AB9RAB05779	

SUBCLIN 002606 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
002606	Funding for CLIN 0026	
	ACRN EP	(b)(4)
	PURCHASE REQUEST NUMBER: AB9JMM05907	

SUBCLIN 002704 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
002704	Funding for CLIN 0027	
	ACRN EQ	(b)(4)
	PURCHASE REQUEST NUMBER: AB9JMM05915	

SUBCLIN 010002 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
010002	Funding for CLIN 0100	
	ACRN ER	(b)(4)
	PURCHASE REQUEST NUMBER: AB9JMM05914	

SUBCLIN 010302 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
010302	Funding for CLIN 0103	
	ACRN ES	(b)(4)
	PURCHASE REQUEST NUMBER: AB9JMM05917	

SECTION G - CONTRACT ADMINISTRATION DATA

Accounting and Appropriation

Summary for the Payment Office

As a result of this modification, the total funded amount for this document was increased by (b)(4)
from (b)(4)

SUBCLIN 000101:

DJ: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109B1C4557 020503 (CIN
AB9RAB045570001) was increased by (b)(4)

SUBCLIN 000201:

DL: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109B1C4560 020503 (CIN AB9RAB045600001) was increased by (b)(4)

SUBCLIN 000301:

DN: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109B1C4561 020503 (CIN AB9RAB045610001) was increased by (b)(4)

SUBCLIN 000404:

BT: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109A0C0487 020329 (CIN AB9JMM004870001) was increased by (b)(4)

SUBCLIN 000502:

BU: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109A0C0762 020329 (CIN AB9JMM007620001) was increased by (b)(4)

SUBCLIN 000603:

BV: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109A0C0764 020329 (CIN AB9JMM007640001) was increased by (b)(4)

SUBCLIN 002003:

CX: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0X309D0C4001 020357 (CIN AB9RAB040010001) was increased by (b)(4)

SUBCLIN 002006:

Funding on SUBCLIN 002006 is initiated as follows:

ACRN: EH

CIN: AB9KCT059250001

Acctng Data: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109C4C5925 020673

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 002102:

CY: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0X309D0C4002 020357 (CIN AB9RAB040020001) was increased by (b)(4)

SUBCLIN 002105:

Funding on SUBCLIN 002105 is initiated as follows:

ACRN: EJ

CIN: AB9KCT059260001

Acctng Data: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109C4C5926 020673

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 002214:

EE: 9790400.2520 09 BM 2520 40603892C00 255Y S12135 MD9E109B8C8204 920853 (CIN AB9SEG982040001) was increased by (b)(4)

SUBCLIN 002215:

Funding on SUBCLIN 002215 is initiated as follows:

ACRN: EK

CIN: AB9RAB058630001

Acctng Data: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109A0C5863 020329

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 002308:

CK: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109C5C1805 020224 (CIN AB9SEG018050001) was increased by (b)(4)

SUBCLIN 002309:

Funding on SUBCLIN 002309 is initiated as follows:

ACRN: EL

CIN: AB9SEG983580001

Acctng Data: 9790400.2520 09 BM 2520 40603892C00 255Y S12135 MD9B109D2C8358 920515

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 002403:

CL: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109C5C1807 020224 (CIN AB9SEG018070001) was increased by (b)(4)

SUBCLIN 002404:

Funding on SUBCLIN 002404 is initiated as follows:

ACRN: EM

CIN: AB9SEG983590001

Acctng Data: 9790400.2520 09 BM 2520 40603892C00 255Y S12135 MD9B109D2C8359 920515

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 002514:

Funding on SUBCLIN 002514 is initiated as follows:

ACRN: EN

CIN: AB9RAB057790001

Acctng Data: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109A0C5779 020329

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 002606:

Funding on SUBCLIN 002606 is initiated as follows:

ACRN: EP

CIN: AB9JMM059070001

Acctng Data: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E209D0C5907 020336

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 002704:

Funding on SUBCLIN 002704 is initiated as follows:

ACRN: EQ

CIN: AB9JMM059150001

Acctng Data: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E209D0C5915 020336

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 010002:

Funding on SUBCLIN 010002 is initiated as follows:

ACRN: ER

CIN: AB9JMM059140001

Acctng Data: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E209D0C5914 020336

Increase: (b)(4)

Total: (b)(4)

Funding on SUBCLIN 010302 is initiated as follows:

CIN: AB9JMM059170001

Increase: (b)(4)

Total: (b)(4)

G-06 ALLOTMENT OF FUNDS (MAY 2005)

Pursuant to FAR 52.232-22, "Limitation of Funds," the total amount of funds presently available for payment and allotted to this contract (which covers all items, including fee payable), and the estimated period of performance said funds cover, are as follow:

(b)(4)



(b)(4)



(End of Summary of Changes)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE V		PAGE OF PAGES 1 7	
2. AMENDMENT/MODIFICATION NO. P00027		3. EFFECTIVE DATE 17-Aug-2010		4. REQUISITION/PURCHASE REQ. NO. SEE SCHEDULE		5. PROJECT NO.(If applicable)	
6. ISSUED BY MISSILE DEFENSE AGENCY (MDA) 17211 AVENUE D SUITE 160 DAHLGREN VA 22448-5154		CODE HQ0276		7. ADMINISTERED BY (If other than item 6) DCMA NAVAL SEA SYSTEMS OPERATIONS 3000 MIDLANTIC DRIVE SUITE 201 MOUNT LAUREL NJ 08054		CODE S3110A	
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) LOCKHEED MARTIN CORPORATION 199 BORTON LANDING RD MOORESTOWN NJ 08057-3054				9A. AMENDMENT OF SOLICITATION NO.			
				9B. DATED (SEE ITEM 11)			
				X 10A. MOD. OF CONTRACT/ORDER NO. HQ0276-10-C-0001			
				X 10B. DATED (SEE ITEM 13) 01-Oct-2009			
CODE 02769		FACILITY CODE					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required) See Schedule							
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.							
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.							
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).							
X C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: FAR Clause 52.232-22, Limitation of Funds							
D. OTHER (Specify type of modification and authority)							
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Modification Control Number: (b)(4) The purpose of this modification is to obligate funds in the amount of (b)(4) for CLINs 0020/0021, 0022, 0023/0024, 0025 and 0102. This modification also corrects the Incentive Fee Subtotal and Total for CLIN 0020 in the funding table contained in G-06 which were off by (b)(4) in P00026.							
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) (b)(6) / CONTRACTING OFFICER TEL: (b)(6) EMAIL: (b)(6)			
15B. CONTRACTOR/OFFEROR <div style="border-bottom: 1px solid black; width: 100%;"></div> (Signature of person authorized to sign)		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA (b)(6) BY <div style="border-bottom: 1px solid black; width: 100%;"></div> (Signature of Contracting Officer)		16C. DATE SIGNED 17-Aug-2010	

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION B - SUPPLIES OR SERVICES AND PRICES

SUBCLIN 002216 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
002216	Funding for CLIN 0022	
	ACRN ET	(b)(4)
	PURCHASE REQUEST NUMBER: AB9KMB05002	

SUBCLIN 002310 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
002310	Funding for CLIN 0023	
	ACRN EU	(b)(4)
	PURCHASE REQUEST NUMBER: AB9RAB06046	

SUBCLIN 002405 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
002405	Funding for CLIN 0024	
	ACRN EV	(b)(4)
	PURCHASE REQUEST NUMBER: AB9RAB06052	

SUBCLIN 002515 is added as follows:

ITEM NO SUPPLIES/SERVICES
002515

AMOUNT

Funding for CLIN 0025

ACRN EW

(b)(4)

PURCHASE REQUEST NUMBER: DI9SM905732

SECTION G - CONTRACT ADMINISTRATION DATA

Accounting and Appropriation

Summary for the Payment Office

As a result of this modification, the total funded amount for this document was increased by (b)(4)
from (b)(4)

SUBCLIN 002005:

EC: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109B1C5015 020503 (CIN
AB9KMB050150001) was increased by (b)(4)

SUBCLIN 002104:

ED: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109B1C5016 020503 (CIN
AB9KMB050160001) was increased by (b)(4)

SUBCLIN 002204:

CA: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109C6C0757 020225 (CIN
AB9SEG007570001) was increased by (b)(4)

SUBCLIN 002205:

CB: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0X309G0C0780 020359 (CIN
AB9SEG007800001) was increased by (b)(4)

SUBCLIN 002213:

DZ: 9790400.2520 09 BM 2520 40603892C00 255Y S12135 MD9B109D1C8031 920514 (CIN
AB9SEG980310001) was increased by (b)(4)

SUBCLIN 002216:

Funding on SUBCLIN 002216 is initiated as follows:

ACRN: ET

CIN: AB9KMB050020001

Acctng Data: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109B1C5002 020503

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 002310:

Funding on SUBCLIN 002310 is initiated as follows:

ACRN: EU

CIN: AB9RAB060460001

Acctng Data: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109B1C6046 020503

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 002405:

Funding on SUBCLIN 002405 is initiated as follows:

ACRN: EV

CIN: AB9RAB060520001

Acctng Data: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109B1C6052 020503

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 002515:

Funding on SUBCLIN 002515 is initiated as follows:

ACRN: EW

CIN: DI9SM9057320001

Acctng Data: 9700400.2520 10 BM 2520 40603884C00 255Y S12135 MD0Z14019C5732 020193

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 010209:

CJ: 97-11X8242 2862 252 74622 0 065916 2D PIAA44 825480090CAN (CIN N0002410MP601220001) was increased by (b)(4)

The following have been modified:

G-06 ALLOTMENT OF FUNDS (MAY 2005)

(b)(4)

(b)(4)



(b)(4)



(End of Summary of Changes)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE V		PAGE OF PAGES 1 7	
2. AMENDMENT/MODIFICATION NO. P00028		3. EFFECTIVE DATE 24-Aug-2010		4. REQUISITION/PURCHASE REQ. NO. SEE SCHEDULE		5. PROJECT NO.(If applicable)	
6. ISSUED BY MISSILE DEFENSE AGENCY (MDA) 17211 AVENUE D SUITE 160 DAHLGREN VA 22448-5154		CODE HQ0276		7. ADMINISTERED BY (If other than item 6) DCMA NAVAL SEA SYSTEMS OPERATIONS 3000 MIDLANTIC DRIVE SUITE 201 MOUNT LAUREL NJ 08054		CODE S3110A	
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) LOCKHEED MARTIN CORPORATION 199 BORTON LANDING RD MOORESTOWN NJ 08057-3054				9A. AMENDMENT OF SOLICITATION NO.			
				9B. DATED (SEE ITEM 11)			
				X 10A. MOD. OF CONTRACT/ORDER NO. HQ0276-10-C-0001			
				X 10B. DATED (SEE ITEM 13) 01-Oct-2009			
CODE 02769		FACILITY CODE					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required) See Schedule							
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.							
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.							
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).							
X C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: FAR Clause 52.232-22, Limitation of Funds							
D. OTHER (Specify type of modification and authority)							
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Modification Control Number: (b)(4) The purpose of this modification is to obligate funds in the amount of (b)(4) for CLINs 0001/0002/0003 and 0102.							
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) (b)(6) / CONTRACTING OFFICER			
				TEL: (b)(6) EMAIL: (b)(6)			
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA (b)(6) BY (Signature of Contracting Officer)		16C. DATE SIGNED 24-Aug-2010	

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION B - SUPPLIES OR SERVICES AND PRICES

SUBCLIN 000103 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000103	Funding for CLIN 0001	
	ACRN EX	(b)(4)
	PURCHASE REQUEST NUMBER: AB9KLG05781	

SUBCLIN 000203 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000203	Funding for CLIN 0002	
	ACRN EY	(b)(4)
	PURCHASE REQUEST NUMBER: AB9KLG05785	

SUBCLIN 000204 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000204	Funding for CLIN 0002	
	ACRN EZ	(b)(4)
	PURCHASE REQUEST NUMBER: AB9KLG05786	

SUBCLIN 000303 is added as follows:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
000303	Funding for CLIN 0003 COST FOB: Destination PURCHASE REQUEST NUMBER: AB9KLG05784				(b)(4)
	ACRN FA CIN: AB9KLG057840001			ESTIMATED COST	(b)(4)

SECTION G - CONTRACT ADMINISTRATION DATA

Accounting and Appropriation

Summary for the Payment Office

As a result of this modification, the total funded amount for this document was increased by (b)(4)
from (b)(4)

SUBCLIN 000103:

Funding on SUBCLIN 000103 is initiated as follows:

ACRN: EX

CIN: AB9KLG057810001

Acctng Data: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0W109I0C5781 020341

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 000203:

Funding on SUBCLIN 000203 is initiated as follows:

ACRN: EY

CIN: AB9KLG057850001

Acctng Data: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0W109B3C5785 020235

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 000204:

Funding on SUBCLIN 000204 is initiated as follows:

ACRN: EZ

Total: (b)(4)

Total: (b)(4)

BQ: 97-11X8242 2862 252 74622 0 065916 2D PJAH44 835080020CAM (CIN N0002409MP601360003) was increased by (b)(4)

CLIN	SLIN	ACRN	Cost to LM	IF	AF	Performance Incentive	TOTAL
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(b)(4)



(b)(4)



(b)(4)



(End of Summary of Changes)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE V	PAGE OF PAGES 1 5
2. AMENDMENT/MODIFICATION NO. P000029	3. EFFECTIVE DATE	4. REQUISITION/PURCHASE REQ NO SEE SCHEDULE	5. PROJECT NO. (if applicable)		
6. ISSUED BY MISSILE DEFENSE AGENCY (MDA) 17211 AVENUE D SUITE 160 DAHLGREN VA 22448-5154	CODE HQ0276	7. ADMINISTERED BY (If other than item 6) DCMA NAVAL SEA SYSTEMS OPERATIONS 3000 MIDLANTIC DRIVE SUITE 201 MOUNT LAUREL NJ 08054		CODE S3110A	
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) LOCKHEED MARTIN CORPORATION 199 BORTON LANDING RD MOORESTOWN NJ 08057-3054			9A. AMENDMENT OF SOLICITATION NO.		
			9B. DATED (SEE ITEM 11)		
			X 10A. MOD. OF CONTRACT/ORDER NO. HQ0276-10-C-0001		
			X 10B. DATED (SEE ITEM 13) 01-Oct-2009		
CODE 02769			FACILITY CODE		
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS					
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of offer <input type="checkbox"/> is extended. <input type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment. (b) By acknowledging receipt of this amendment on each copy of the offer submitted, or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.					
12. ACCOUNTING AND APPROPRIATION DATA (If required) See Schedule					
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT/ORDERS IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.					
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.					
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).					
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:					
X D. OTHER (Specify type of modification and authority) Mutual Agreement of the Parties.					
E. IMPORTANT. Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return <u>1</u> copies to the issuing office.					
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Modification Control Number: (b)(4) The purpose of this modification is to obligate funds in the amount of (b)(4) for CLIN 0025 (T25-01) and to revise Attachment J-1, SOW, Section 2.0 Applicable Documents, 2.1 (U.S. Only Specifications), to update the WS35348 Aegis BMD 5.0 Element Capabilities Specification (ECS) to Rev D dated 16 Dec 2009 and Section 3.2 Cost/Schedule Management, fifth paragraph, to revise the IBR requirement for CLIN 0001 to "within 180 days after start of performance" vice the stated "120 days" at no additional cost to the Government.					
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.					
15A. NAME AND TITLE OF SIGNER (Type or print) (b)(6) CONTRACT MANAGER LOCKHEED MARTIN CORPORATION			16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) (b)(6) TEL (b)(6) EMAIL (b)(6)		
15B. CONTRACTOR/OFFEROR (b)(6) (Signature of person authorized to sign)		15C. DATE SIGNED 15 SEPT 2010		16B. UNITED STATES OF AMERICA (b)(6) BY (b)(6) (Signature of Contracting Officer)	
				16C. DATE SIGNED 16 Sept 2010	

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION B - SUPPLIES OR SERVICES AND PRICES

SUBCLIN 002516 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
002516	Funding for CLIN 0025	
	ACRN FB	(b)(4)
	PURCHASE REQUEST NUMBER: AB9KLG06114	

SECTION G - CONTRACT ADMINISTRATION DATA

Accounting and Appropriation

Summary for the Payment Office

As a result of this modification, the total funded amount for this document was increased by (b)(4) from (b)(4)

SUBCLIN 002516:

Funding on SUBCLIN 002516 is initiated as follows:

ACRN: FB

CIN: AB9KLG061140001

Acctng Data: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0W109I0C6114 020341

Increase: (b)(4)

Total: (b)(4)

The following have been modified:

G-06 ALLOTMENT OF FUNDS (MAY 2005)

Pursuant to FAR 52.232-22, "Limitation of Funds," the total amount of funds presently available for payment and allotted to this contract (which covers all items, including fee payable), and the estimated period of performance said funds cover, are as follow:

SLIN	ACRN	Cost to LM	IF	AF	Performance Incentive	TOTAL
000101	(b)(4)					

000102	(b)(4)
000103	
000201	
000202	
000203	
000204	
000301	
000302	
000303	
000401	
000402	
000403	
000404	
000405	
000406	
000501	
000502	
000503	
000504	
000601	
000602	
000603	
000604	
000605	
001101	
001201	
001301	
001701	
001702	
001703	
001801	
001802	
001803	
001901	
001902	
001903	
002001	
002002	
002003	
002004	
002005	

002006	(b)(4)
002101	
002102	
002103	
002104	
002105	
002201	
002202	
002203	
002204	
002205	
002206	
002207	
002208	
002209	
002210	
002211	
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002213	
002214	
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002302	
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002308	
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002405	
002501	
002502	
002503	
002504	
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002506	
002507	
002508	
002509	
002510	
002511	

002512	(b)(4)
002513	
002514	
002515	
002516	
002601	
002602	
002603	
002604	
002605	
002606	
002701	
002702	
002703	
002704	
010001	
010002	
010201	
010202	
010203	
010204	
010205	
010206	
010207	
010208	
010209	
010210	
010211	
010212	
010213	
010214	
010301	
010302	

(End of Summary of Changes)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE V		PAGE OF PAGES 1 5	
2. AMENDMENT/MODIFICATION NO. P00030		3. EFFECTIVE DATE 16-Sep-2010		4. REQUISITION/PURCHASE REQ. NO. SEE SCHEDULE		5. PROJECT NO.(If applicable)	
6. ISSUED BY MISSILE DEFENSE AGENCY (MDA) 17211 AVENUE D SUITE 160 DAHLGREN VA 22448-5154		CODE HQ0276		7. ADMINISTERED BY (If other than item 6) DCMA NAVAL SEA SYSTEMS OPERATIONS 3000 MIDLANTIC DRIVE SUITE 201 MOUNT LAUREL NJ 08054		CODE S3110A	
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) LOCKHEED MARTIN CORPORATION 199 BORTON LANDING RD MOORESTOWN NJ 08057-3054				9A. AMENDMENT OF SOLICITATION NO.			
				9B. DATED (SEE ITEM 11)			
				X 10A. MOD. OF CONTRACT/ORDER NO. HQ0276-10-C-0001			
				X 10B. DATED (SEE ITEM 13) 01-Oct-2009			
CODE 02769		FACILITY CODE					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required) See Schedule							
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.							
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.							
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).							
X C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: FAR Clause 52.232-22, Limitations of Funds							
D. OTHER (Specify type of modification and authority)							
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Modification Control Number: (b)(4) The purpose of this modification is to obligate funds in the amount of (b)(4) for CLINs 0001/0002/0003 and 0004/0005/0006.							
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) (b)(6) CONTRACTING OFFICER			
				TEL: (b)(6) EMAIL: (b)(6)			
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA (b)(6) BY _____ (Signature of Contracting Officer)		16C. DATE SIGNED 16-Sep-2010	

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION G - CONTRACT ADMINISTRATION DATA

Accounting and Appropriation

Summary for the Payment Office

As a result of this modification, the total funded amount for this document was increased by (b)(4) from (b)(4)

SUBCLIN 000101:

DJ: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109B1C4557 020503 (CIN AB9RAB045570001) was increased by (b)(4)

SUBCLIN 000201:

DL: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109B1C4560 020503 (CIN AB9RAB045600001) was increased by (b)(4)

SUBCLIN 000301:

DN: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109B1C4561 020503 (CIN AB9RAB045610001) was increased by (b)(4)

SUBCLIN 000404:

BT: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109A0C0487 020329 (CIN AB9JMM004870001) was increased by (b)(4)

SUBCLIN 000502:

BU: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109A0C0762 020329 (CIN AB9JMM007620001) was increased by (b)(4)

SUBCLIN 000603:

BV: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109A0C0764 020329 (CIN AB9JMM007640001) was increased by (b)(4)

The following have been modified:

G-06 ALLOTMENT OF FUNDS (MAY 2005)

Pursuant to FAR 52.232-22, "Limitation of Funds," the total amount of funds presently available for payment and allotted to this contract (which covers all items, including fee payable), and the estimated period of performance said funds cover, are as follow:

SLIN	ACRN	Cost to LM	IF	AF	Performance	TOTAL
------	------	------------	----	----	-------------	-------

	(b)(4)
000101	
000102	
000103	
000201	
000202	
000203	
000204	
000301	
000302	
000303	
000401	
000402	
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000601	
000602	
000603	
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000605	
001101	
001201	
001301	
001701	
001702	
001703	
001801	
001802	
001803	
001901	
001902	
001903	
002001	
002002	
002003	

002004	(b)(4)
002005	
002006	
002101	
002102	
002103	
002104	
002105	
002201	
002202	
002203	
002204	
002205	
002206	
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002404	
002405	
002501	
002502	
002503	
002504	
002505	
002506	
002507	
002508	
002509	

002510	(b)(4)
002511	
002512	
002513	
002514	
002515	
002516	
002601	
002602	
002603	
002604	
002605	
002606	
002701	
002702	
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002704	
010001	
010002	
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010206	
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010210	
010211	
010212	
010213	
010214	
010301	
010302	

(End of Summary of Changes)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE V		PAGE OF PAGES 1 9	
2. AMENDMENT/MODIFICATION NO. P00031		3. EFFECTIVE DATE 29-Sep-2010		4. REQUISITION/PURCHASE REQ. NO. SEE SCHEDULE		5. PROJECT NO.(If applicable)	
6. ISSUED BY MISSILE DEFENSE AGENCY (MDA) 17211 AVENUE D SUITE 160 DAHLGREN VA 22448-5154		CODE HQ0276		7. ADMINISTERED BY (If other than item 6) DCMA NAVAL SEA SYSTEMS OPERATIONS 3000 MIDLANTIC DRIVE SUITE 201 MOUNT LAUREL NJ 08054		CODE S3110A	
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) LOCKHEED MARTIN CORPORATION 199 BORTON LANDING RD MOORESTOWN NJ 08057-3054				9A. AMENDMENT OF SOLICITATION NO.			
				9B. DATED (SEE ITEM 11)			
				X 10A. MOD. OF CONTRACT/ORDER NO. HQ0276-10-C-0001			
				X 10B. DATED (SEE ITEM 13) 01-Oct-2009			
CODE 02769		FACILITY CODE					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required) See Schedule							
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.							
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.							
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).							
X C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: FAR Clause 52.232-22, Limitation of Funds							
D. OTHER (Specify type of modification and authority)							
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Modification Control Number: (b)(4) The purpose of this modification is to obligate funds in the amount of (b)(4) for CLINs 0001/0002/0003, 0004/0005/0006, 0011, 0023/0024, and 0025.							
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) (b)(6) / CONTRACTING OFFICER			
				TEL: (b)(6)		EMAIL: (b)(6)	
15B. CONTRACTOR/OFFEROR _____ (Signature of person authorized to sign)		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA (b)(6) BY _____ (Signature of Contracting Officer)		16C. DATE SIGNED 29-Sep-2010	

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION B - SUPPLIES OR SERVICES AND PRICES

SUBCLIN 000104 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000104	Funding for CLIN 0001	
	ACRN FF	(b)(4)
	PURCHASE REQUEST NUMBER: AB9KLH06935	

SUBCLIN 000205 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000205	Funding for CLIN 0002	
	ACRN FG	(b)(4)
	PURCHASE REQUEST NUMBER: AB9KLH06968	

SUBCLIN 000304 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000304	Funding for CLIN 0003	
	ACRN FH	(b)(4)
	PURCHASE REQUEST NUMBER: AB9KLH06972	

SUBCLIN 000407 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000407	Funding for CLIN 0004	
	ACRN FC	(b)(4)
	PURCHASE REQUEST NUMBER: AB9KLG06346	

SUBCLIN 000505 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000505	Funding for CLIN 0005	
	ACRN FD	(b)(4)
	PURCHASE REQUEST NUMBER: AB9KLG06350	

SUBCLIN 000606 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000606	Funding for CLIN 0006	
	ACRN FE	(b)(4)
	PURCHASE REQUEST NUMBER: AB9KLG06351	

SUBCLIN 002517 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
002517	Funding for CLIN 0025	
	ACRN BS	(b)(4)
	PURCHASE REQUEST NUMBER: N0002410MP12460	

SECTION G - CONTRACT ADMINISTRATION DATA

Accounting and Appropriation

Summary for the Payment Office

As a result of this modification, the total funded amount for this document was increased by (b)(4) from (b)(4)

SUBCLIN 000101:

DJ: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109B1C4557 020503 (CIN AB9RAB045570001) was increased by (b)(4)

SUBCLIN 000104:

Funding on SUBCLIN 000104 is initiated as follows:

ACRN: FF

CIN: AB9KLH069350001

Acctng Data: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109A9C6935 021096

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 000201:

DL: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109B1C4560 020503 (CIN AB9RAB045600001) was increased by (b)(4)

SUBCLIN 000205:

Funding on SUBCLIN 000205 is initiated as follows:

ACRN: FG

CIN: AB9KLH069680001

Acctng Data: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109A9C6968 021096

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 000301:

DN: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109B1C4561 020503 (CIN AB9RAB045610001) was increased by (b)(4)

SUBCLIN 000304:

Funding on SUBCLIN 000304 is initiated as follows:

ACRN: FH

CIN: AB9KLH069720001

Acctng Data: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109A9C6972 021096

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 000407:

Funding on SUBCLIN 000407 is initiated as follows:

ACRN: FC

CIN: AB9KLG063460001

Acctng Data: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109A9C6346 021096

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 000505:

Funding on SUBCLIN 000505 is initiated as follows:

ACRN: FD

CIN: AB9KLG063500001

Acctng Data: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109A9C6350 021096

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 000606:

Funding on SUBCLIN 000606 is initiated as follows:

ACRN: FE

CIN: AB9KLG063510001

Acctng Data: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109A9C6351 021096

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 001101:

BS: 1701319 A5BJ 253 SASWS 0 068342 2D 960510 K32320000010 (CIN N0002410MP106450001) was increased by (b)(4)

SUBCLIN 002310:

EU: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109B1C6046 020503 (CIN AB9RAB060460001) was increased by (b)(4)

SUBCLIN 002405:

EV: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109B1C6052 020503 (CIN AB9RAB060520001) was increased by (b)(4)

SUBCLIN 002517:

Funding on SUBCLIN 002517 is initiated as follows:

ACRN: BS

CIN: N0002410MP124600001

Acctng Data: 1701319 A5BJ 253 SASWS 0 068342 2D 960510 K32320000010

Increase: (b)(4)

Total: (b)(4)

The following have been modified:

G-06 ALLOTMENT OF FUNDS (MAY 2005)

Pursuant to FAR 52.232-22, "Limitation of Funds," the total amount of funds presently available for payment and allotted to this contract (which covers all items, including fee payable), and the estimated period of performance said funds cover, are as follow:

SLIN	ACRN	Cost to LM	IF	AF	Performance Incentive	TOTAL
------	------	------------	----	----	-----------------------	-------

000101	(b)(4)					
000102						
000103						
000104						
000201						
000202						
000203						
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002006

002101
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002213

(b)(4)

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002704

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010002

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(b)(4)

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(b)(4)



(End of Summary of Changes)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE V		PAGE OF PAGES 1 7	
2. AMENDMENT/MODIFICATION NO. P00032		3. EFFECTIVE DATE 30-Sep-2010		4. REQUISITION/PURCHASE REQ. NO. SEE SCHEDULE		5. PROJECT NO.(If applicable)	
6. ISSUED BY MISSILE DEFENSE AGENCY (MDA) 17211 AVENUE D SUITE 160 DAHLGREN VA 22448-5154		CODE HQ0276		7. ADMINISTERED BY (If other than item 6) DCMA NAVAL SEA SYSTEMS OPERATIONS 3000 MIDLANTIC DRIVE SUITE 201 MOUNT LAUREL NJ 08054		CODE S3110A	
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) LOCKHEED MARTIN CORPORATION 199 BORTON LANDING RD MOORESTOWN NJ 08057-3054				9A. AMENDMENT OF SOLICITATION NO.			
				9B. DATED (SEE ITEM 11)			
				X 10A. MOD. OF CONTRACT/ORDER NO. HQ0276-10-C-0001			
				X 10B. DATED (SEE ITEM 13) 01-Oct-2009			
CODE 02769		FACILITY CODE					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required) See Schedule							
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.							
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.							
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).							
X C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: FAR 52.232-22 Limitation of Funds							
D. OTHER (Specify type of modification and authority)							
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Modification Control Number: (b)(4) The purpose of this modification is to obligate funds in the amount of (b)(4) for CLINs 0022, 0023/0024 and 0025.							
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) (b)(6) / CONTRACTING OFFICER TEL: (b)(6) EMAIL: (b)(6)			
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA (b)(6) BY _____ (Signature of Contracting Officer)		16C. DATE SIGNED 30-Sep-2010	

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION B - SUPPLIES OR SERVICES AND PRICES

SUBCLIN 002217 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
002217	Funding for CLIN 0022	
	ACRN FM	(b)(4)
	PURCHASE REQUEST NUMBER: AB9SEG07051	

SUBCLIN 002311 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
002311	Funding for CLIN 0023	
	ACRN FJ	(b)(4)
	PURCHASE REQUEST NUMBER: AB9SEG07038	

SUBCLIN 002406 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
002406	Funding for CLIN 0024	
	ACRN FK	(b)(4)
	PURCHASE REQUEST NUMBER: AB9SEG07040	

SUBCLIN 002518 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
002518	Funding for CLIN 0025	
	ACRN FL	\$50,000.00
	PURCHASE REQUEST NUMBER: AB9MAO07031	

SECTION G - CONTRACT ADMINISTRATION DATA

Accounting and Appropriation

Summary for the Payment Office

As a result of this modification, the total funded amount for this document was increased by (b)(4) from (b)(4)

SUBCLIN 002217:

Funding on SUBCLIN 002217 is initiated as follows:

ACRN: FM

CIN: AB9SEG070510001

Acctng Data: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109A9C7051 021096

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 002311:

Funding on SUBCLIN 002311 is initiated as follows:

ACRN: FJ

CIN: AB9SEG070380001

Acctng Data: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109A9C7038 021096

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 002406:

Funding on SUBCLIN 002406 is initiated as follows:

ACRN: FK

CIN: AB9SEG070400001

Acctng Data: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109A9C7040 021096

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 002518:

Funding on SUBCLIN 002518 is initiated as follows:

ACRN: FL

CIN: AB9MAO070310001

Acctng Data: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109A9C7031 021096

Increase: (b)(4)

Total: (b)(4)

The following have been modified:

G-06 ALLOTMENT OF FUNDS (MAY 2005)

Pursuant to FAR 52.232-22, "Limitation of Funds," the total amount of funds presently available for payment and allotted to this contract (which covers all items, including fee payable), and the estimated period of performance said funds cover, are as follow:

SLIN	ACRN	Cost to LM	IF	AF	Performance Incentive	TOTAL
000101	(b)(4)					
000102						
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000202						
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000502	(b)(4)
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002211	(b)(4)
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002606	

002701	(b)(4)
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010213	
010214	
010301	
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(End of Summary of Changes)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE V		PAGE OF PAGES 1 7	
2. AMENDMENT/MODIFICATION NO. P00033		3. EFFECTIVE DATE 30-Sep-2010		4. REQUISITION/PURCHASE REQ. NO. SEE SCHEDULE		5. PROJECT NO.(If applicable)	
6. ISSUED BY MISSILE DEFENSE AGENCY (MDA) 17211 AVENUE D SUITE 160 DAHLGREN VA 22448-5154		CODE HQ0276		7. ADMINISTERED BY (If other than item 6) DCMA NAVAL SEA SYSTEMS OPERATIONS 3000 MIDLANTIC DRIVE SUITE 201 MOUNT LAUREL NJ 08054		CODE S3110A	
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) LOCKHEED MARTIN CORPORATION 199 BORTON LANDING RD MOORESTOWN NJ 08057-3054				9A. AMENDMENT OF SOLICITATION NO.			
				9B. DATED (SEE ITEM 11)			
				X 10A. MOD. OF CONTRACT/ORDER NO. HQ0276-10-C-0001			
				X 10B. DATED (SEE ITEM 13) 01-Oct-2009			
CODE 02769		FACILITY CODE					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required) See Schedule							
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.							
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.							
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).							
X C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: FAR 52.232-22 Limitation of Funds							
D. OTHER (Specify type of modification and authority)							
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Modification Control Number: (b)(4) The purpose of this modification is to obligate funds in the amount of (b)(4) for CLINs 0004/0005/0006 and 0102 and to de-obligate funds in the amount of (b)(4) from CLIN 0025.							
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) (b)(6) CONTRACTING OFFICER TEL: (b)(6) EMAIL: (b)(6)			
15B. CONTRACTOR/OFFEROR _____ (Signature of person authorized to sign)		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA (b)(6) BY _____ (Signature of Contracting Officer)		16C. DATE SIGNED 30-Sep-2010	

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION B - SUPPLIES OR SERVICES AND PRICES

SUBCLIN 002513

The CLIN description has changed from Incremental Funding for CLIN 0025 to Funding for CLIN 0025.

SUBCLIN 000408 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000408	Funding for CLIN 0004	
	ACRN FN	(b)(4)
	PURCHASE REQUEST NUMBER: AB9KLG06888	

SUBCLIN 000506 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000506	Funding for CLIN 0005	
	ACRN FP	(b)(4)
	PURCHASE REQUEST NUMBER: AB9KLG07030	

SUBCLIN 000607 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000607	Funding for CLIN 0006	
	ACRN FQ	(b)(4)
	PURCHASE REQUEST NUMBER: AB9KLG07035	

SECTION E - INSPECTION AND ACCEPTANCE

The following Acceptance/Inspection Schedule was added for SUBCLIN 000408:

INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
N/A	N/A	N/A	Government

The following Acceptance/Inspection Schedule was added for SUBCLIN 000506:

INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
N/A	N/A	N/A	Government

The following Acceptance/Inspection Schedule was added for SUBCLIN 000607:

INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
N/A	N/A	N/A	Government

SECTION G - CONTRACT ADMINISTRATION DATA

Accounting and Appropriation

Summary for the Payment Office

As a result of this modification, the total funded amount for this document was decreased by (b)(4) from (b)(4)

SUBCLIN 000408:

Funding on SUBCLIN 000408 is initiated as follows:

ACRN: FN

CIN: AB9KLG068880001

Acctng Data: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109A0C6888 020329

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 000506:

Funding on SUBCLIN 000506 is initiated as follows:

ACRN: FP

CIN: AB9KLG070300001

Acctng Data: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109A0C7030 020329

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 000607:

Funding on SUBCLIN 000607 is initiated as follows:

ACRN: FQ

CIN: AB9KLG070350001

Acctng Data: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109A0C7035 020329

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 002513:

EF: 9700400.2520 10 BM 2520 40603891C00 255X S12135 MD0W127A0C5331 020295 (CIN DO9JET053310001) was decreased by (b)(4)

SUBCLIN 010209:

CJ: 97-11X8242 2862 252 74622 0 065916 2D PJAA44 825480090CAN (CIN N0002410MP601220001) was increased by (b)(4)

The following have been modified:

G-06 ALLOTMENT OF FUNDS (MAY 2005)

Pursuant to FAR 52.232-22, "Limitation of Funds," the total amount of funds presently available for payment and allotted to this contract (which covers all items, including fee payable), and the estimated period of performance said funds cover, are as follow:

SLIN	ACRN	Cost to LM	IF	AF	Performance Incentive	TOTAL
000101	(b)(4)					
000102						
000103						
000104						
000201						
000202						
000203						
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000503	(b)(4)
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002210	(b)(4)
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002217	
002301	(b)(4)
002302	
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002309	
002310	
002311	
	(b)(4)
002401	
002402	
002403	
002404	
002405	
002406	(b)(4)
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002517	
002518	
	(b)(4)
002601	
002602	
002603	
002604	
002605	
002606	

	(b)(4)
002701	
002702	
002703	
002704	
010001	
010002	
010201	
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010213	
010214	
010301	
010302	

(End of Summary of Changes)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE V		PAGE OF PAGES 1 7	
2. AMENDMENT/MODIFICATION NO. P00034		3. EFFECTIVE DATE 05-Nov-2010		4. REQUISITION/PURCHASE REQ. NO. SEE SCHEDULE		5. PROJECT NO.(If applicable)	
6. ISSUED BY MISSILE DEFENSE AGENCY (MDA) 17211 AVENUE D SUITE 160 DAHLGREN VA 22448-5154		CODE HQ0276		7. ADMINISTERED BY (If other than item 6) DCMA NAVAL SEA SYSTEMS OPERATIONS 3000 MIDLANTIC DRIVE SUITE 201 MOUNT LAUREL NJ 08054		CODE S3110A	
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) LOCKHEED MARTIN CORPORATION 199 BORTON LANDING RD MOORESTOWN NJ 08057-3054				9A. AMENDMENT OF SOLICITATION NO.			
				9B. DATED (SEE ITEM 11)			
				X 10A. MOD. OF CONTRACT/ORDER NO. HQ0276-10-C-0001			
				X 10B. DATED (SEE ITEM 13) 01-Oct-2009			
CODE 02769		FACILITY CODE					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required) See Schedule							
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.							
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.							
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).							
X C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: FAR 52.232-22, Limitations of Funds							
D. OTHER (Specify type of modification and authority)							
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Modification Control Number: (b)(4) The purpose of this modification is to obligate funds in the amount of (b)(4) for CLINs 0023/0024 and 0025.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)			
				(b)(6) / CONTRACTING OFFICER			
				TEL: (b)(6)		EMAIL: (b)(6)	
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA		16C. DATE SIGNED	
(Signature of person authorized to sign)				BY (b)(6)		05-Nov-2010	
				(Signature of Contracting Officer)			

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

1. The funds distribution on SLIN 000408, ACRN FN, were incorrectly annotated in modification P00033 as Cost: (b)(4) and I/F: (b)(4). This modification corrects the distribution of funds as Cost: (b)(4) and I/F: (b)(4). The overall total of (b)(4) for ACRN FN remains the same.

SECTION B - SUPPLIES OR SERVICES AND PRICES

SUBCLIN 002312 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
002312	Funding for CLIN 0023	
	ACRN FR	(b)(4)
	PURCHASE REQUEST NUMBER: DO9JET07192	

SUBCLIN 002407 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
002407	Funding for CLIN 0024	
	ACRN FS	(b)(4)
	PURCHASE REQUEST NUMBER: DO9JET07193	

SUBCLIN 002519 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
002519	Funding for CLIN 0025	
	ACRN FT	(b)(4)
	PURCHASE REQUEST NUMBER: AB9KMB05191	

SECTION G - CONTRACT ADMINISTRATION DATA

Accounting and Appropriation

Summary for the Payment Office

As a result of this modification, the total funded amount for this document was increased by (b)(4) from (b)(4)

SUBCLIN 002312:

Funding on SUBCLIN 002312 is initiated as follows:

ACRN: FR

CIN: DO9JET071920001

Acctng Data: 9700400.2520 10 BM 2520 40603891C00 255X S12109 MD0W127A0C7192 020295

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 002407:

Funding on SUBCLIN 002407 is initiated as follows:

ACRN: FS

CIN: DO9JET071930001

Acctng Data: 9700400.2520 10 BM 2520 40603891C00 255X S12109 MD0W127A0C7193 020295

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 002519:

Funding on SUBCLIN 002519 is initiated as follows:

ACRN: FT

CIN: AB9KMB051910001

Acctng Data: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109B1C5191 020503

Increase: (b)(4)

Total: (b)(4)

The following have been modified:

G-06 ALLOTMENT OF FUNDS (MAY 2005)

Pursuant to FAR 52.232-22, "Limitation of Funds," the total amount of funds presently available for payment and allotted to this contract (which covers all items, including fee payable), and the estimated period of performance said funds cover, are as follow:

SLIN	ACRN	Cost to LM	IF	AF	Performance Incentive	TOTAL
000101	(b)(4)					
000102						
000103						
000104						

	(b)(4)
000201	
000202	
000203	
000204	
000205	
000301	
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001901	
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001903	

	(b)(4)
002001	
002002	
002003	
002004	
002005	
002006	
002101	
002102	
002103	
002104	
002105	
002201	
002202	
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002406	
002407	

002501	(b)(4)
002502	
002503	
002504	
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010301	
010302	

						(b)(4)
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(End of Summary of Changes)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE V		PAGE OF PAGES 1 10	
2. AMENDMENT/MODIFICATION NO. P00035		3. EFFECTIVE DATE 06-Dec-2010		4. REQUISITION/PURCHASE REQ. NO. SEE SCHEDULE		5. PROJECT NO.(If applicable)	
6. ISSUED BY MISSILE DEFENSE AGENCY (MDA) 17211 AVENUE D SUITE 160 DAHLGREN VA 22448-5154		CODE HQ0276		7. ADMINISTERED BY (If other than item 6) DCMA NAVAL SEA SYSTEMS OPERATIONS 3000 MIDLANTIC DRIVE SUITE 201 MOUNT LAUREL NJ 08054		CODE S3110A	
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) LOCKHEED MARTIN CORPORATION 199 BORTON LANDING RD MOORESTOWN NJ 08057-3054				9A. AMENDMENT OF SOLICITATION NO.			
				9B. DATED (SEE ITEM 11)			
				X 10A. MOD. OF CONTRACT/ORDER NO. HQ0276-10-C-0001			
				X 10B. DATED (SEE ITEM 13) 01-Oct-2009			
CODE 02769		FACILITY CODE					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required) See Schedule							
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.							
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.							
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).							
X C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: FAR Clause 52.232-22, Limitation of Funds							
D. OTHER (Specify type of modification and authority)							
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Modification Control Number: (b)(4) The purpose of this modification is to obligate funds in the amount of (b)(4) to CLINs 0001/0002/0003, 0017/0018/0019, 0023/0024 and 0025.							
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) (b)(6) / CONTRACTING OFFICER			
				TEL: (b)(6) EMAIL: (b)(6)			
15B. CONTRACTOR/OFFEROR _____ (Signature of person authorized to sign)		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA (b)(6) BY _____ (Signature of Contracting Officer)		16C. DATE SIGNED 06-Dec-2010	

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION B - SUPPLIES OR SERVICES AND PRICES

SUBCLIN 000105 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000105	Funding for CLIN 0001	
	ACRN FX	(b)(4)
	PURCHASE REQUEST NUMBER: 589	

SUBCLIN 000206 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000206	Funding for CLIN 0002	
	ACRN FY	(b)(4)
	PURCHASE REQUEST NUMBER: 610	

SUBCLIN 000305 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000305	Funding for CLIN 0003	
	ACRN FZ	(b)(4)
	PURCHASE REQUEST NUMBER: 612	

SUBCLIN 001704 is added as follows:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
001704	ACRN FU				(b)(4)
	CIN: 10500001				

SUBCLIN 001804 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
001804	Funding for CLIN 0018	
	ACRN FV	(b)(4)
	PURCHASE REQUEST NUMBER: 1051	

SUBCLIN 001904 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
001904	Funding for CLIN 0019	
	ACRN FW	(b)(4)
	PURCHASE REQUEST NUMBER: 1049	

SUBCLIN 002313 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
002313	Funding for CLIN 0023	
	ACRN GA	(b)(4)
	PURCHASE REQUEST NUMBER: 237	

SUBCLIN 002408 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
002408	Funding for CLIN 0024	
	ACRN GB	(b)(4)
	PURCHASE REQUEST NUMBER: 366	

SUBCLIN 002520 is added as follows:

ITEM NO SUPPLIES/SERVICES
002520

AMOUNT

Funding for CLIN 0025

ACRN GC

(b)(4)

PURCHASE REQUEST NUMBER: 701

SECTION G - CONTRACT ADMINISTRATION DATA

Accounting and Appropriation

Summary for the Payment Office

As a result of this modification, the total funded amount for this document was increased by (b)(4)
from (b)(4)

SUBCLIN 000105:

Funding on SUBCLIN 000105 is initiated as follows:

ACRN: FX

CIN: 5890001

Acctng Data: 044411 097 000 0400 000 D 20112012 N 40603892C00 00 000 000 2520 HQ00061589
000001 000001

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 000206:

Funding on SUBCLIN 000206 is initiated as follows:

ACRN: FY

CIN: 6100001

Acctng Data: 044411 097 000 0400 000 D 20112012 N 40603892C00 00 000 000 2520 HQ00061610
000001 000001

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 000305:

Funding on SUBCLIN 000305 is initiated as follows:

ACRN: FZ

CIN: 6120001

Acctng Data: 044411 097 000 0400 000 D 20112012 N 40603892C00 00 000 000 2520 HQ00061612
000001 000001

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 001704:

Funding on SUBCLIN 001704 is initiated as follows:

ACRN: FU

CIN: 10500001

Acctng Data: 044411 097 000 0400 000 D 20112012 N 40604881C00 00 000 000 2520 HQ000611050
000001 000001

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 001804:

Funding on SUBCLIN 001804 is initiated as follows:

ACRN: FV

CIN: 10510001

Acctng Data: 044411 097 000 0400 000 D 20112012 N 40604881C00 00 000 000 2520 HQ000611051
000001 000001

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 001904:

Funding on SUBCLIN 001904 is initiated as follows:

ACRN: FW

CIN: 10490001

Acctng Data: 044411 097 000 0400 000 D 20112012 N 40604881C00 00 000 000 2520 HQ000611049
000001 000001

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 002313:

Funding on SUBCLIN 002313 is initiated as follows:

ACRN: GA

CIN: 2370001

Total: (b)(4)

CIN: 3660001

Total: (b)(4)

CIN: 7010001

Total: (b)(4)

SLIN	ACRN	Cost to LM	IF	AF	Performance Incentive	TOTAL
000101	(b)(4)					
000102						
000103						
000104						
000105						
000201						
000202						

000203	(b)(4)
000204	
000205	
000206	
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001903	(b)(4)
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002406	(b)(4)
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010214	(b)(4)
010301	
010302	

(End of Summary of Changes)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE V		PAGE OF PAGES 1 9	
2. AMENDMENT/MODIFICATION NO. P00036		3. EFFECTIVE DATE 20-Dec-2010		4. REQUISITION/PURCHASE REQ. NO. SEE SCHEDULE		5. PROJECT NO.(If applicable)	
6. ISSUED BY MISSILE DEFENSE AGENCY (MDA) 17211 AVENUE D SUITE 160 DAHLGREN VA 22448-5154		CODE HQ0276		7. ADMINISTERED BY (If other than item 6) DCMA NAVAL SEA SYSTEMS OPERATIONS 3000 MIDLANTIC DRIVE SUITE 201 MOUNT LAUREL NJ 08054		CODE S3110A	
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) LOCKHEED MARTIN CORPORATION 199 BORTON LANDING RD MOORESTOWN NJ 08057-3054				9A. AMENDMENT OF SOLICITATION NO.			
				9B. DATED (SEE ITEM 11)			
				X 10A. MOD. OF CONTRACT/ORDER NO. HQ0276-10-C-0001			
				X 10B. DATED (SEE ITEM 13) 01-Oct-2009			
CODE 02769		FACILITY CODE					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required) See Schedule							
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.							
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.							
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).							
X C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: FAR Clause 52.232-22, Limitation of Funds							
D. OTHER (Specify type of modification and authority)							
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Modification Control Number: (b)(4) The purpose of this modification is to obligate funds in the amount of (b)(4) for CLINs 0020/0021 (T's 20-01 and 20-02) and to authorize payment of technical/schedule performance incentive fee for the successful completion of Aegis BMD 5.0 IPR #5 conducted 16-18 November 2010.							
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) (b)(6) CONTRACTING OFFICER			
				TEL: (b)(6) EMAIL: (b)(6)			
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA (b)(6) BY _____ (Signature of Contracting Officer)		16C. DATE SIGNED 20-Dec-2010	

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION B - SUPPLIES OR SERVICES AND PRICES

SUBCLIN 002007 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
002007	Funding for CLIN 0020	(b)(4)
	ACRN GF	
	PURCHASE REQUEST NUMBER: 1474	

SUBCLIN 002008 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
002008	Funding for CLIN 0020	(b)(4)
	ACRN GD	
	PURCHASE REQUEST NUMBER: 1135	

SUBCLIN 002106 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
002106	Funding for CLIN 0021	(b)(4)
	ACRN GG	
	PURCHASE REQUEST NUMBER: 1496	

SUBCLIN 002107 is added as follows:

ITEM NO SUPPLIES/SERVICES
002107

AMOUNT

Funding for CLIN 0021

ACRN GE

PURCHASE REQUEST NUMBER: 1589

(b)(4)

The following have been modified:

TECHNICAL/SCHEDULE PERF I/F
TECHNICAL/SCHEDULE PERFORMANCE INCENTIVE FEE

The total available Technical/Schedule Performance Incentive Fee for CLINs 0003 (Option), 0006, 0013, and 0019, as outlined in the table below are subject to the limitations and protections of FAR 52.232-22 Limitation of Funds, and will be incrementally funded.

If the contractor successfully achieves the mandated milestone event, as defined in Attachments J-4 and J-8 to this contract, by the due date specified, the Contracting Officer will provide the Technical/Schedule Performance Incentive Fee associated with that milestone event. To ensure timely payment, the contractor shall provide written notification to the Contracting Officer of the scheduled date(s) for Technical/Schedule Milestone Events at least thirty (30) days in advance. The Contracting Officer will authorize the contractor to bill for Technical/Schedule Performance Incentive Fee earned for the milestone event in question via electronic transmission within 15 days after the due date.

The Government is under NO obligation to roll over unearned Technical/Schedule Performance Incentive Fee, however, it hereby reserves the right to unilaterally roll over some or all of the unearned fee to later evaluation periods.

The Contracting Officer, in consultation with the Aegis BMD Program Director, is the Determining Official with regard to Technical/Schedule Performance Incentive Fee. The Fee Determining Official for all other Award Fees is MDA/D. Determinations of the Contracting Officer with respect to the payment of Technical/Schedule Performance Incentive Fee to the contractor and the rolling over of any unearned fee are final, unilateral decisions made solely at the discretion of the Contracting Officer.

If the contractor anticipates it will or actually does fail to meet a stated milestone as outlined in Attachment J-4, it shall promptly notify the Contracting Officer in writing explaining the root cause and as applicable, request relief in accordance with FAR 52.249-14, Excusable Delays.

Milestone Event	Potential Incentive Fee	Earned Fee
CLIN 0001- BMD 4.0.1 (Option)	(b)(4)	
Conduct FTM-16		
Complete CPAP		
Integrated Baseline Review (IBR)		
Complete Certification		
Conduct FTM-17		
FY11 CG Installation Complete		
CLIN 0004 – BMD 5.0		

IBR	(b)(4)	(b)(4)
IPR #4		
IPR #5		
Complete System Demonstration		
DDG-53 Installation Complete		
Complete CPAP		
Complete Certification		
Additional ECS "Assess To" Threat into Compliance in Cert Load (See Note B) (Threat #1)		
Additional ECS "Assess To" Threat into Compliance in Cert Load (See Note B) (Threat #2)		
CLIN 0011 – MMSP		
IBR		(b)(4)
Multi-Mission Exercise		
Production Readiness Review		(b)(4)
D(V) Performance Demo		
CLIN 0017 – BMD 5.1		
System Requirements Review		
System Design Review		

Note A: CLIN 0003 is an Option

Note B: CLIN 0006

a. If the Contractor delivers "In Compliance" capability in the Aegis BMD Baseline 5.0 Weapon System against the following Threats as subsequently verified and validated by FTMs and/or Ground Test Campaign(s), as defined in Attachments J-7 and J-8, the Contractor will receive a Technical/Schedule Performance Incentive Fee of X percent of the Estimated Cost of CLIN 0004 for each Threat:

Threat #1 _____ (to be selected from "Assess To" Threats listed in the Aegis BMD 5.0 Element Capability Specification)

Threat #2 _____ (to be selected from "Assess To" Threats listed in the Aegis BMD 5.0 Element Capability Specification)

b. The additional capability must be delivered without growth to the Estimated Cost of CLIN 0004 or delay to the schedule of the Aegis BMD Baseline 5.0 Weapons System per Attachment J-4 to this contract.

c. The Contractor must follow the established MDA/AB System Engineering Process, as defined in the MDA/AB System Engineering Management Plan (SEMP) and Attachments J-7 and J-8, in design, development and test including peer review of performance analyses and design trades to assure a robust design space and not "Point Solution(s)" for the delivered Weapons System.

d. Balanced Technical Performance Measures, as defined in Attachment J-7, must be established at the In Process Design Reviews and satisfied by the delivered Weapons System.

e. The Government encourages the Contractor as the Combat System Engineering Agent to suggest technical performance improvements to the Combat System (including the Weapons System and the SM-3 Missile) which might support the above additional "In Compliance" Weapons System capability, however, the Government can

make no commitment to change the SM-3 missile to support the Contractor in earning the above Technical/Schedule Performance Incentive Fee(s).

SECTION G - CONTRACT ADMINISTRATION DATA

Accounting and Appropriation

Summary for the Payment Office

As a result of this modification, the total funded amount for this document was increased by (b)(4) from (b)(4)

SUBCLIN 002007:

Funding on SUBCLIN 002007 is initiated as follows:

ACRN: GF

CIN: 14740001

Acctng Data: 044411 097 000 0400 000 D 20112012 N 40603892C00 00 000 000 2520 HQ000611474
000001 000001

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 002008:

Funding on SUBCLIN 002008 is initiated as follows:

ACRN: GD

CIN: 11350001

Acctng Data: 044411 097 000 0400 000 D 20112012 N 40603892C00 00 000 000 2520 HQ000611135
000001 000001

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 002106:

Funding on SUBCLIN 002106 is initiated as follows:

ACRN: GG

CIN: 14960001

Acctng Data: 044411 097 000 0400 000 D 20112012 N 40603892C00 00 000 000 2520 HQ000611496
000001 000001

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 002107:

Funding on SUBCLIN 002107 is initiated as follows:

ACRN: GE

CIN: 15890001

Acctng Data: 044411 097 000 0400 000 D 20112012 N 40603892C00 00 000 000 2520 HQ000611589
000001 000001

Increase: (b)(4)

Total: (b)(4)

The following have been modified:

G-06 ALLOTMENT OF FUNDS (MAY 2005)

Pursuant to FAR 52.232-22, "Limitation of Funds," the total amount of funds presently available for payment and allotted to this contract (which covers all items, including fee payable), and the estimated period of performance said funds cover, are as follow:

SLIN	ACRN	Cost to LM	IF	AF	Performance Incentive	TOTAL
000101	(b)(4)					
000102						
000103						
000104						
000105						
000201						
000202						
000203						
000204						
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000501	(b)(4)
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002008	
002101	
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002105	
002106	
002107	

002201	(b)(4)
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002513	(b)(4)
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(End of Summary of Changes)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE V		PAGE OF PAGES 1 11	
2. AMENDMENT/MODIFICATION NO. P00037		3. EFFECTIVE DATE 29-Dec-2010		4. REQUISITION/PURCHASE REQ. NO. SEE SCHEDULE		5. PROJECT NO.(If applicable)	
6. ISSUED BY MISSILE DEFENSE AGENCY (MDA) 17211 AVENUE D SUITE 160 DAHLGREN VA 22448-5154		CODE HQ0276		7. ADMINISTERED BY (If other than item 6) DCMA NAVAL SEA SYSTEMS OPERATIONS 3000 MIDLANTIC DRIVE SUITE 201 MOUNT LAUREL NJ 08054		CODE S3110A	
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) LOCKHEED MARTIN CORPORATION 199 BORTON LANDING RD MOORESTOWN NJ 08057-3054				9A. AMENDMENT OF SOLICITATION NO.			
				9B. DATED (SEE ITEM 11)			
				X 10A. MOD. OF CONTRACT/ORDER NO. HQ0276-10-C-0001			
				X 10B. DATED (SEE ITEM 13) 01-Oct-2009			
CODE 02769		FACILITY CODE					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required) See Schedule							
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.							
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.							
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).							
X C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: FAR 52.232-22, Limitation of Funds and H-15 Exercise of Options							
D. OTHER (Specify type of modification and authority)							
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Modification Control Number: (b)(4) The purpose of this modification is to: 1) de-obligate funds from SLINs 001704, 001804, 001904 in the amount of (b)(4) and replace with funds on 001705, 001805, and 001905 in the amount of (b)(4) . All charges against SLINs 001704, 001804, and 001904 shall appropriately be transferred to SLINs 001705, 001805, and 001905 respectively; 2) obligate funding to CLINs 0007, and 0023/0024 in the amount of (b)(4) ; 3) authorize payment of technical/schedule performance incentive fee for the successful completion of Aegis BMD 4.0.1 IBR conducted 15-17 December 2010; and 4) exercise option CLIN 0007 (Aegis BMD 5.0 - Emergent Threat).							
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)			
				(b)(6) CONTRACTING OFFICER			
				TEL: (b)(6)		EMAIL: (b)(6)	
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA		16C. DATE SIGNED	
(Signature of person authorized to sign)				BY (b)(6)		29-Dec-2010	
				(Signature of Contracting Officer)			

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION A - SOLICITATION/CONTRACT FORM

The total cost of this contract was increased by (b)(4) to (b)(4)

SECTION B - SUPPLIES OR SERVICES AND PRICES

CLIN 0007

The option status has changed from Option to Option Exercised.

SUBCLIN 000701 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000701	Funding for CLIN 0007	
	ACRN GH	(b)(4)
	PURCHASE REQUEST NUMBER: DO9JET07194	

SUBCLIN 001705 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
001705	Funding for CLIN 0017	
	ACRN GJ	(b)(4)
	PURCHASE REQUEST NUMBER: 2049	

SUBCLIN 001805 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
001805	Funding for CLIN 0018	
	ACRN GK	(b)(4)
	PURCHASE REQUEST NUMBER: 2084	

SUBCLIN 001905 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
001905	Funding for CLIN 0019	
	ACRN GL	(b)(4)
	PURCHASE REQUEST NUMBER: 2083	

SUBCLIN 002314 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
002314	Funding for CLIN 0023	
	ACRN GM	(b)(4)
	PURCHASE REQUEST NUMBER: 1131	

SUBCLIN 002409 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
002409	Funding for CLIN 0024	
	ACRN GN	(b)(4)
	PURCHASE REQUEST NUMBER: 1573	

The following have been modified:

TECHNICAL/SCHEDULE PERF I/F
TECHNICAL/SCHEDULE PERFORMANCE INCENTIVE FEE

The total available Technical/Schedule Performance Incentive Fee for CLINs 0003 (Option), 0006, 0013, and 0019, as outlined in the table below are subject to the limitations and protections of FAR 52.232-22 Limitation of Funds, and will be incrementally funded.

If the contractor successfully achieves the mandated milestone event, as defined in Attachments J-4 and J-8 to this contract, by the due date specified, the Contracting Officer will provide the Technical/Schedule Performance Incentive Fee associated with that milestone event. To ensure timely payment, the contractor shall provide written notification to the Contracting Officer of the scheduled date(s) for Technical/Schedule Milestone Events at least thirty (30) days in advance. The Contracting Officer will authorize the contractor to bill for Technical/Schedule Performance Incentive Fee earned for the milestone event in question via electronic transmission within 15 days after the due date.

The Government is under NO obligation to roll over unearned Technical/Schedule Performance Incentive Fee, however, it hereby reserves the right to unilaterally roll over some or all of the unearned fee to later evaluation periods.

The Contracting Officer, in consultation with the Aegis BMD Program Director, is the Determining Official with regard to Technical/Schedule Performance Incentive Fee. The Fee Determining Official for all other Award Fees is

MDA/D. Determinations of the Contracting Officer with respect to the payment of Technical/Schedule Performance Incentive Fee to the contractor and the rolling over of any unearned fee are final, unilateral decisions made solely at the discretion of the Contracting Officer.

If the contractor anticipates it will or actually does fail to meet a stated milestone as outlined in Attachment J-4, it shall promptly notify the Contracting Officer in writing explaining the root cause and as applicable, request relief in accordance with FAR 52.249-14, Excusable Delays.

Milestone Event	Potential Incentive Fee	Earned Fee
CLIN 0001- BMD 4.0.1 (Option)	(b)(4)	
Conduct FTM-16		
Complete CPAP		
Integrated Baseline Review (IBR)		(b)(4)
Complete Certification		
Conduct FTM-17		
FY11 CG Installation Complete		
CLIN 0004 – BMD 5.0		
IBR		(b)(4)
IPR #4		
IPR #5		
Complete System Demonstration		
DDG-53 Installation Complete		
Complete CPAP		
Complete Certification		
Additional ECS “Assess To” Threat into Compliance in Cert Load (See Note B) (Threat #1)		
Additional ECS “Assess To” Threat into Compliance in Cert Load (See Note B) (Threat #2)		
CLIN 0011 – MMSP		
IBR		(b)(4)
Multi-Mission Exercise		
Production Readiness Review		(b)(4)
D(V) Performance Demo		
CLIN 0017 – BMD 5.1		
System Requirements Review		
System Design Review		

Note A: CLIN 0003 is an Option

Note B: CLIN 0006

a. If the Contractor delivers “In Compliance” capability in the Aegis BMD Baseline 5.0 Weapon System against the following Threats as subsequently verified and validated by FTMs and/or Ground Test Campaign(s), as defined in Attachments J-7 and J-8, the Contractor will receive a Technical/Schedule Performance Incentive Fee of X percent of the Estimated Cost of CLIN 0004 for each Threat:

Threat #1 _____ (to be selected from “Assess To” Threats listed in the Aegis BMD 5.0 Element Capability Specification)
 Threat #2 _____ (to be selected from “Assess To” Threats listed in the Aegis BMD 5.0 Element Capability Specification)

b. The additional capability must be delivered without growth to the Estimated Cost of CLIN 0004 or delay to the schedule of the Aegis BMD Baseline 5.0 Weapons System per Attachment J-4 to this contract.

c. The Contractor must follow the established MDA/AB System Engineering Process, as defined in the MDA/AB System Engineering Management Plan (SEMP) and Attachments J-7 and J-8, in design, development and test including peer review of performance analyses and design trades to assure a robust design space and not “Point Solution(s)” for the delivered Weapons System.

d. Balanced Technical Performance Measures, as defined in Attachment J-7, must be established at the In Process Design Reviews and satisfied by the delivered Weapons System.

e. The Government encourages the Contractor as the Combat System Engineering Agent to suggest technical performance improvements to the Combat System (including the Weapons System and the SM-3 Missile) which might support the above additional “In Compliance” Weapons System capability, however, the Government can make no commitment to change the SM-3 missile to support the Contractor in earning the above Technical/Schedule Performance Incentive Fee(s).

SECTION G - CONTRACT ADMINISTRATION DATA

Accounting and Appropriation

Summary for the Payment Office

As a result of this modification, the total funded amount for this document was increased by (b)(4)
 from (b)(4)

SUBCLIN 000701:

Funding on SUBCLIN 000701 is initiated as follows:

ACRN: GH

CIN: DO9JET071940001

Acctng Data: 9700400.2520 10 BM 2520 40603891C00 255X S12109 MD0W127A0C7194 020295

Increase: (b)(4)

Total (b)(4)

SUBCLIN 001704:

FU: 044411 097 000 0400 000 D 20112012 N 40604881C00 00 000 000 2520 HQ000611050 000001
 000001 (CIN 10500001) was decreased by (b)(4)

SUBCLIN 001705:

Funding on SUBCLIN 001705 is initiated as follows:

ACRN: GJ

CIN: 20490001

Acctng Data: 044411 097 000 0400 000 D 20112012 N 40603892C00 00 000 000 2520 HQ000612049
000001 000001

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 001804:

FV: 044411 097 000 0400 000 D 20112012 N 40604881C00 00 000 000 2520 HQ000611051 000001
000001 (CIN 10510001) was decreased by (b)(4)

SUBCLIN 001805:

Funding on SUBCLIN 001805 is initiated as follows:

ACRN: GK

CIN: 20840001

Acctng Data: 044411 097 000 0400 000 D 20112012 N 40603892C00 00 000 000 2520 HQ000612084
000001 000001

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 001904:

FW: 044411 097 000 0400 000 D 20112012 N 40604881C00 00 000 000 2520 HQ000611049 000001
000001 (CIN 10490001) was decreased by (b)(4)

SUBCLIN 001905:

Funding on SUBCLIN 001905 is initiated as follows:

ACRN: GL

CIN: 20830001

Acctng Data: 044411 097 000 0400 000 D 20112012 N 40603892C00 00 000 000 2520 HQ000612083
000001 000001

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 002314:

Funding on SUBCLIN 002314 is initiated as follows:

ACRN: GM

CIN: 11310001

Total: (b)(4)

Total: (b)(4)

SLIN	ACRN	Cost to LM	IF	AF	Performance Incentive	TOTAL
000101	(b)(4)					
000102						
000103						
000104						
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000404	(b)(4)
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002007	(b)(4)
002008	
002101	
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010302	(b)(4)

(End of Summary of Changes)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE V		PAGE OF PAGES 1 7	
2. AMENDMENT/MODIFICATION NO. P00038		3. EFFECTIVE DATE 14-Jan-2011		4. REQUISITION/PURCHASE REQ. NO. SEE SCHEDULE		5. PROJECT NO.(If applicable)	
6. ISSUED BY MISSILE DEFENSE AGENCY (MDA) 17211 AVENUE D SUITE 160 DAHLGREN VA 22448-5154		CODE HQ0276		7. ADMINISTERED BY (If other than item 6) DCMA NAVAL SEA SYSTEMS OPERATIONS 3000 MIDLANTIC DRIVE SUITE 201 MOUNT LAUREL NJ 08054		CODE S3110A	
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) LOCKHEED MARTIN CORPORATION 199 BORTON LANDING RD MOORESTOWN NJ 08057-3054				9A. AMENDMENT OF SOLICITATION NO.			
				9B. DATED (SEE ITEM 11)			
				X 10A. MOD. OF CONTRACT/ORDER NO. HQ0276-10-C-0001			
				X 10B. DATED (SEE ITEM 13) 01-Oct-2009			
CODE 02769		FACILITY CODE					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required) See Schedule							
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.							
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.							
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).							
X C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: FAR Clause 52.232-22, Limitation of Funds							
D. OTHER (Specify type of modification and authority)							
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Modification Control Number: (b)(4) The purpose of this modification is to obligate funds in the amount of (b)(4) for CLINs 0011/0012/0013.							
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)			
				(b)(6) CONTRACTING OFFICER			
				TEL: (b)(4)		EMAIL: (b)(6)	
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA		16C. DATE SIGNED	
(Signature of person authorized to sign)				BY (b)(6)		14-Jan-2011	
				(Signature of Contracting Officer)			

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION B - SUPPLIES OR SERVICES AND PRICES

SUBCLIN 001102 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
001102	Funding for CLIN 0011	
	ACRN GP	(b)(4)
	PURCHASE REQUEST NUMBER: N0002411MP10742	

SUBCLIN 001202 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
001202	Funding for CLIN 0012	
	ACRN GP	(b)(4)
	PURCHASE REQUEST NUMBER: N0002411MP10742	

SUBCLIN 001302 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
001302	Funding for CLIN 0013	
	ACRN GP	(b)(4)
	PURCHASE REQUEST NUMBER: N0002411MP10742	

SECTION G - CONTRACT ADMINISTRATION DATA

Accounting and Appropriation

Summary for the Payment Office

As a result of this modification, the total funded amount for this document was increased by (b)(4) from (b)(4)

SUBCLIN 001102:

Funding on SUBCLIN 001102 is initiated as follows:

ACRN: GP

CIN: N0002411MP107420001

Acctng Data: 1701319 A5BJ 255 SASWS 0 068342 2D 960510 K32320000010

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 001202:

Funding on SUBCLIN 001202 is initiated as follows:

ACRN: GP

CIN: N0002411MP107420002

Acctng Data: 1701319 A5BJ 255 SASWS 0 068342 2D 960510 K32320000010

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 001302:

Funding on SUBCLIN 001302 is initiated as follows:

ACRN: GP

CIN: N0002411MP107420003

Acctng Data: 1701319 A5BJ 255 SASWS 0 068342 2D 960510 K32320000010

Increase: (b)(4)

Total: (b)(4)

The following have been modified:

G-06 ALLOTMENT OF FUNDS (MAY 2005)

Pursuant to FAR 52.232-22, "Limitation of Funds," the total amount of funds presently available for payment and allotted to this contract (which covers all items, including fee payable), and the estimated period of performance said funds cover, are as follow:

CLIN	SLIN	ACRN	Cost to LM	IF	AF	Performance Incentive	TOTAL
------	------	------	------------	----	----	-----------------------	-------

0001	(b)(4)
Subtotal	
0002	
Subtotal	
0003	
Subtotal	
0004	
Subtotal	
0005	
Subtotal	
0006	
Subtotal	
0011	
Subtotal	
0012	
Subtotal	
0013	

[illegible]

Subtotal	(b)(4)				
0023					
Subtotal					
0024					
Subtotal					
0025					
Subtotal					
0026					
002000	EA	1,510,135.00	111,775.00		1,600,700.00

Subtotal	(b)(4)
0027	
Subtotal	
0100	
Subtotal	
0102	
Subtotal	
0103	
Subtotal	
TOTAL	

(End of Summary of Changes)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE V		PAGE OF PAGES 1 7	
2. AMENDMENT/MODIFICATION NO. P00039		3. EFFECTIVE DATE 19-Jan-2011		4. REQUISITION/PURCHASE REQ. NO. SEE SCHEDULE		5. PROJECT NO.(If applicable)	
6. ISSUED BY MISSILE DEFENSE AGENCY (MDA) 17211 AVENUE D SUITE 160 DAHLGREN VA 22448-5154		CODE HQ0276		7. ADMINISTERED BY (If other than item 6) DCMA NAVAL SEA SYSTEMS OPERATIONS 3000 MIDLANTIC DRIVE SUITE 201 MOUNT LAUREL NJ 08054		CODE S3110A	
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) LOCKHEED MARTIN CORPORATION 199 BORTON LANDING RD MOORESTOWN NJ 08057-3054				9A. AMENDMENT OF SOLICITATION NO.			
				9B. DATED (SEE ITEM 11)			
				X 10A. MOD. OF CONTRACT/ORDER NO. HQ0276-10-C-0001			
				X 10B. DATED (SEE ITEM 13) 01-Oct-2009			
CODE 02769		FACILITY CODE					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required) See Schedule							
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.							
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.							
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).							
X C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: FAR Clause 52.232-22, Limitation of Funds							
D. OTHER (Specify type of modification and authority)							
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Modification Control Number: (b)(4) The purpose of this modification is to obligate funds in the amount of (b)(4) for CLINs 0022 and 0025.							
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) (b)(6) CONTRACTING OFFICER			
				TEL: (b)(6) EMAIL: (b)(6)			
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA (b)(6) BY _____ (Signature of Contracting Officer)		16C. DATE SIGNED 19-Jan-2011	

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION B - SUPPLIES OR SERVICES AND PRICES

SUBCLIN 002218 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
002218	Funding for CLIN 0022	
	ACRN GQ	(b)(4)
	PURCHASE REQUEST NUMBER: 2325	

SUBCLIN 002521 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
002521	Funding for CLIN 0025	
	ACRN GR	(b)(4)
	PURCHASE REQUEST NUMBER: 2330	

SECTION G - CONTRACT ADMINISTRATION DATA

Accounting and Appropriation

Summary for the Payment Office

As a result of this modification, the total funded amount for this document was increased by (b)(4)
from (b)(4)

SUBCLIN 002218:

Funding on SUBCLIN 002218 is initiated as follows:

ACRN: GQ

CIN: 23250001

Acctng Data: 044411 097 000 0400 000 D 20112012 N 40603892C00 00 000 000 2520 HQ014712325
000001 000001

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 002521:

Funding on SUBCLIN 002521 is initiated as follows:

CIN: 23300001

Increase: (b)(4)

Total: (b)(4)

G-06 ALLOTMENT OF FUNDS (MAY 2005)

CLIN	SLIN	ACRN	Cost to LM	IF	AF	Performance Incentive	TOTAL
0001	(b)(4)						
Subtotal							
0002							
Subtotal							
0003							
Subtotal							
0004							
Subtotal							
0005							

(b)(4)
Subtotal
0006
Subtotal
0011
Subtotal
0012
Subtotal
0013
Subtotal
0017
Subtotal
0018
Subtotal
0019
Subtotal
0020
Subtotal
0021

	(b)(4)
Subtotal	
0022	
Subtotal	
0023	
Subtotal	
0024	
Subtotal	
0025	

	(b)(4)
Subtotal	
0026	
Subtotal	
0027	
Subtotal	
0100	
Subtotal	
0102	
Subtotal	
0103	
Subtotal	
TOTAL	

(End of Summary of Changes)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE V		PAGE OF PAGES 1 10	
2. AMENDMENT/MODIFICATION NO. P00040		3. EFFECTIVE DATE 24-Jan-2011		4. REQUISITION/PURCHASE REQ. NO. SEE SCHEDULE		5. PROJECT NO.(If applicable)	
6. ISSUED BY MISSILE DEFENSE AGENCY (MDA) 17211 AVENUE D SUITE 160 DAHLGREN VA 22448-5154		CODE HQ0276		7. ADMINISTERED BY (If other than item 6) DCMA NAVAL SEA SYSTEMS OPERATIONS 3000 MIDLANTIC DRIVE SUITE 201 MOUNT LAUREL NJ 08054		CODE S3110A	
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) LOCKHEED MARTIN CORPORATION 199 BORTON LANDING RD MOORESTOWN NJ 08057-3054				9A. AMENDMENT OF SOLICITATION NO.			
				9B. DATED (SEE ITEM 11)			
				X 10A. MOD. OF CONTRACT/ORDER NO. HQ0276-10-C-0001			
				X 10B. DATED (SEE ITEM 13) 01-Oct-2009			
CODE 02769		FACILITY CODE					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required) See Schedule							
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.							
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.							
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).							
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:							
X D. OTHER (Specify type of modification and authority) Attachment J-3, Award Fee Plan							
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Modification Control Number: (b)(4) The purpose of this modification is to: 1) incorporate Attachment J-12, Award Fee Payout which identifies the payout by CLIN/SLIN/ACRN for both U.S. and FMS; 2) de-obligate unearned award fee; and 3) re-align unearned award fee. LM is hereby authorized to bill the earned amount identified in Attachment J-12 in accordance with the identified CLIN/SLIN/ACRN allocation identified in Attachment J-12.							
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) (b)(6) CONTRACTING OFFICER TEL: (b)(6) EMAIL: (b)(6)			
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA (b)(6) BY (b)(6) (Signature of Contracting Officer)		16C. DATE SIGNED 24-Jan-2011	

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION G - CONTRACT ADMINISTRATION DATA

Accounting and Appropriation

Summary for the Payment Office

As a result of this modification, the total funded amount for this document was decreased by (b)(4) from (b)(4)

SUBCLIN 000201:

DL: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109B1C4560 020503 (CIN AB9RAB045600001) was decreased by (b)(4)

SUBCLIN 000502:

BU: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109A0C0762 020329 (CIN AB9JMM007620001) was decreased by (b)(4)

SUBCLIN 001101:

BS: 1701319 A5BJ 253 SASWS 0 068342 2D 960510 K32320000010 (CIN N0002410MP106450001) was increased by (b)(4)

SUBCLIN 001201:

BS: 1701319 A5BI 253 SASWS 0 068342 2D 960510 K32320000010 (CIN N0002410MP106780001) was decreased by (b)(4)

SUBCLIN 001301:

BS: 1701319 A5BI 253 SASWS 0 068342 2D 960510 K32320000010 (CIN N0002410MP106790001) was increased by (b)(4)

SUBCLIN 001803:

DC: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E10968C4110 020521 (CIN AB9YLC041100001) was decreased by (b)(4)

SUBCLIN 002103:

DA: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0X309D0C4005 020357 (CIN AB9RAB040050001) was decreased by (b)(4)

SUBCLIN 002104:

ED: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109B1C5016 020503 (CIN AB9KMB050160001) was decreased by (b)(4)

SUBCLIN 002205:

CB: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0X309G0C0780 020359 (CIN AB9SEG007800001) was decreased by (b)(4)

SUBCLIN 002212:

CV: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109B1C2993 020503 (CIN AB9MAO029930001) was decreased by (b)(4)

SUBCLIN 002215:

EK: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109A0C5863 020329 (CIN AB9RAB058630001) was decreased by (b)(4)

SUBCLIN 002402:

CH: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109C4C0839 020673 (CIN AB9AS9008390001) was decreased by (b)(4)

SUBCLIN 002405:

EV: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109B1C6052 020503 (CIN AB9RAB060520001) was decreased by (b)(4)

SUBCLIN 002509:

CN: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E109A9C2990 021096 (CIN AB9JLD029900001) was decreased by (b)(4)

SUBCLIN 002510:

CW: 9700400.2520 10 BM 2520 40604881C00 255Y S12135 MD0W109W0C3683 021031 (CIN AB9YLC036830001) was decreased by (b)(4)

SUBCLIN 002512:

DV: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0W109B3C4944 020235 (CIN AB9CCC049440001) was decreased by (b)(4)

SUBCLIN 002513:

EF: 9700400.2520 10 BM 2520 40603891C00 255X S12135 MD0W127A0C5331 020295 (CIN DO9JET053310001) was decreased by (b)(4)

SUBCLIN 002702:

BJ: 9790400.2520 9 BM 2520 40603892C00 255Y S12135 MD9W109I0C6675 920341 (CIN AB9JMM966750001) was decreased by (b)(4)

SUBCLIN 002703:

EB: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E209D0C4949 020336 (CIN AB9KMB049490001) was decreased by (b)(4)

SUBCLIN 002704:

EQ: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E209D0C5915 020336 (CIN AB9JMM059150001) was decreased by (b)(4)

SUBCLIN 010201:

BK: 97-11X8242 80JU 252 4Q452 0 068342 2D CCXT04 E4475 ESS 104Z (CIN N0002408MP502870001) was decreased by (b)(4)

SUBCLIN 010202:

BL: 97-11X8242 8QNL 252 4Q452 0 068342 2D CCXT01 W44GSESS101Z (CIN N0002408MP504180001) was decreased by (b)(4)

SUBCLIN 010203:

BM: 97-11X8242 8LJU 252 4Q452 0 068342 2D CCXT01 W44GBESS101Z (CIN N0002408MP508600001) was decreased by (b)(4)

SUBCLIN 010206:

BQ: 97-11X8242 2862 252 74622 0 065916 2D PJAH44 835080020CAM (CIN N0002409MP601360003) was decreased by (b)(4)

SUBCLIN 010209:

CJ: 97-11X8242 2862 252 74622 0 065916 2D PJAA44 825480090CAN (CIN N0002410MP601220001) was decreased by (b)(4)

SUBCLIN 010212:

DG: 97-11X8242 2862 310 74622 0 065916 2D PJAM45 006860060FPX (CIN N0002410MP607130003) was decreased by (b)(4)

SUBCLIN 010214:

EG: 97-11X8242 2862 252 74622 0 065916 2D PJAH44 006080370FLW (CIN N0002410MP611540001) was decreased by (b)(4)

SUBCLIN 010301:

DQ: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E209D0P4506 020336 (CIN AB9JMM045060001) was decreased by (b)(4)

SUBCLIN 010302:

ES: 9700400.2520 10 BM 2520 40603892C00 255Y S12135 MD0E209D0C5917 020336 (CIN AB9JMM059170001) was decreased by (b)(4)

The total amount of unearned award fee for Period 1 (U.S. and FMS) is (b)(4). Of this amount (b)(4) has been deobligated as stated above; (b)(4) has been realigned as shown below; and (b)(4) of the (b)(4) unearned award fee under CLIN 0012, was not available for realignment.

Unearned Award Fee funds under CLINs 0012 (ACRN BS) and 0022 (ACRNs CT and CU) have been realigned as

follows:

CLIN 0012 – ACRN BS - (b)(4)

CLIN 0011: (b)(4)
 CLIN 0011:
 CLIN 0012:
 CLIN 0013:

CLIN 0022 – ACRN CT - (b)(4)

Cost: (b)(4)
 A/F:

CLIN 0022 – ACRN CU - (b)(4)

Cost: (b)(4)
 A/F:

The following have been modified:

G-06 ALLOTMENT OF FUNDS (MAY 2005)

Pursuant to FAR 52.232-22, “Limitation of Funds,” the total amount of funds presently available for payment and allotted to this contract (which covers all items, including fee payable), and the estimated period of performance said funds cover, are as follow:

(b)(4)

(b)(4)



(b)(4)



(b)(4)



(b)(4)

SECTION J - LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

The following have been modified:

LIST OF DOCUMENTS

DOCUMENT TYPE	DESCRIPTION	PAGES	DATE
Exhibit A	CDRLs	54	29 April 2010
Enclosure 1 to Exhibit A	Addressee List	1	1 October 2009
Enclosure 2 to Exhibit A	Data Distribution List	14	1 October 2009
Enclosure 3 to Exhibit A	Software Resources Data Reporting – Initial	2	1 October 2009
Enclosure 4 to Exhibit A	Software Resources Data Reporting – Final	2	1 October 2009
Enclosure 5 to Exhibit A	Computer Program Data	4	1 October 2009
Encl 6/6a to CDRL A043	Product Drawings and Associated Lists	2	1 October 2009
Encl 7 to CDRL A044	Commercial Drawings/Models and Associated Lists	1	1 October 2009
Encl 8 to CDRL A046	Specifications	1	1 October 2009
Encl 9 to CDRL A047	Special Inspection Equipment Drawings and Associated Lists	1	1 October 2009
Encl 10 to CDRL A048	Special Tooling Drawings and Associated Lists	1	1 October 2009
Encl 11	RESERVED		
Encl 12 to CDRL A051	Specifications	1	1 October 2009
Attachment J-1	Statement of Work	32	1 October 2009
Attachment J-2	DD 254	18	1 October 2009
Attachment J-3	Award Fee Plan	17	1 October 2009
Attachment J-4	Program Integrated Master Schedule	1	1 October 2009
Attachment J-5	GFE/GFI	38	1 October 2009
Attachment J-6	Preliminary Work Breakdown Structure	8	1 October 2009
Attachment J-7	Technical Review Manual	27	1 October 2009
Attachment J-8	Milestone Event Completion Criteria	2	1 October 2009
Attachment J-9	Commercial Computer Software and Open Source Software List	3	1 October 2009
Attachment J-10	Data Rights Assertions	3	26 October 2009
Attachment J-11	(b)(4) OCI Mitigation Plan	27	1 October 2009
	First Supplement to OCI Mitigation Plan	2	23 June 2010
Attachment J-12	Period 1 Award Fee Payout	2	25 January 2011

(End of Summary of Changes)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE V		PAGE OF PAGES 1 9	
2. AMENDMENT/MODIFICATION NO. P00041		3. EFFECTIVE DATE 31-Jan-2011		4. REQUISITION/PURCHASE REQ. NO. SEE SCHEDULE		5. PROJECT NO.(If applicable)	
6. ISSUED BY MISSILE DEFENSE AGENCY (MDA) 17211 AVENUE D SUITE 160 DAHLGREN VA 22448-5154		CODE HQ0276		7. ADMINISTERED BY (If other than item 6) DCMA NAVAL SEA SYSTEMS OPERATIONS 3000 MIDLANTIC DRIVE SUITE 201 MOUNT LAUREL NJ 08054		CODE S3110A	
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) LOCKHEED MARTIN CORPORATION 199 BORTON LANDING RD MOORESTOWN NJ 08057-3054				9A. AMENDMENT OF SOLICITATION NO.			
				9B. DATED (SEE ITEM 11)			
				X 10A. MOD. OF CONTRACT/ORDER NO. HQ0276-10-C-0001			
				X 10B. DATED (SEE ITEM 13) 01-Oct-2009			
CODE 02769		FACILITY CODE					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required) See Schedule							
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.							
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.							
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).							
X C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: FAR Clause 52.232-22, Limitation of Funds							
D. OTHER (Specify type of modification and authority)							
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Modification Control Number: (b)(4) The purpose of this modification is to obligate funds in the amount of (b)(4) to CLINs 0007, 0017/0018/0019, 0023/0024, and 0025.							
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) (b)(6) / CONTRACTING OFFICER TEL: (b)(6) EMAIL: (b)(6)			
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA (b)(6) BY (Signature of Contracting Officer)		16C. DATE SIGNED 31-Jan-2011	

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION B - SUPPLIES OR SERVICES AND PRICES

SUBCLIN 001706 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
001706	Funding for CLIN 0017	
	ACRN GS	(b)(4)
	PURCHASE REQUEST NUMBER: 2577	

SUBCLIN 001806 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
001806	Funding for CLIN 0018	
	ACRN GT	(b)(4)
	PURCHASE REQUEST NUMBER: 2572	

SUBCLIN 001906 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
001906	Funding for CLIN 0019	
	ACRN GU	(b)(4)
	PURCHASE REQUEST NUMBER: 2576	

SUBCLIN 002315 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
002315	Funding for CLIN 0023	
	ACRN GV	(b)(4)
	PURCHASE REQUEST NUMBER: 2606	

SUBCLIN 002410 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
002410	Funding for CLIN 0024	
	ACRN GW	(b)(4)
	PURCHASE REQUEST NUMBER: 2662	

SUBCLIN 002522 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
002522	Funding for CLIN 0025	
	ACRN GX	(b)(4)
	PURCHASE REQUEST NUMBER: 2559	

SECTION G - CONTRACT ADMINISTRATION DATA

Accounting and Appropriation

Summary for the Payment Office

As a result of this modification, the total funded amount for this document was increased by (b)(4) from (b)(4)

SUBCLIN 000701:

GH: 9700400.2520 10 BM 2520 40603891C00 255X S12109 MD0W127A0C7194 020295 (CIN DO9JET071940001) was increased by (b)(4)

SUBCLIN 001706:

Funding on SUBCLIN 001706 is initiated as follows:

ACRN: GS

CIN: 25770001

Acctng Data: 044411 097 000 0400 000 D 20112012 N 40603892C00 00 000 000 2520 HQ000612577
000001 000001

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 001806:

Funding on SUBCLIN 001806 is initiated as follows:

ACRN: GT

CIN: 25720001

Acctng Data: 044411 097 000 0400 000 D 20112012 N 40603892C00 00 000 000 2520 HQ000612572
000001 000001

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 001906:

Funding on SUBCLIN 001906 is initiated as follows:

ACRN: GU

CIN: 25760001

Acctng Data: 044411 097 000 0400 000 D 20112012 N 40603892C00 00 000 000 2520 HQ000612576
000001 000001

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 002315:

Funding on SUBCLIN 002315 is initiated as follows:

ACRN: GV

CIN: 26060001

Acctng Data: 044411 097 000 0400 000 D 20102011 N 40603892C00 00 000 000 2520 HQ000612606
000001 000001

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 002410:

Funding on SUBCLIN 002410 is initiated as follows:

ACRN: GW

CIN: 26620001

Acctng Data: 044411 097 000 0400 000 D 20102011 N 40603892C00 00 000 000 2520 HQ000612662
000001 000001

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 002522:

Funding on SUBCLIN 002522 is initiated as follows:

ACRN: GX

CIN: 25590001

Acctng Data: 044411 097 000 0400 000 D 20112012 N 40604881C00 00 000 000 2520 HQ000612559
000001 000001

Increase: (b)(4)

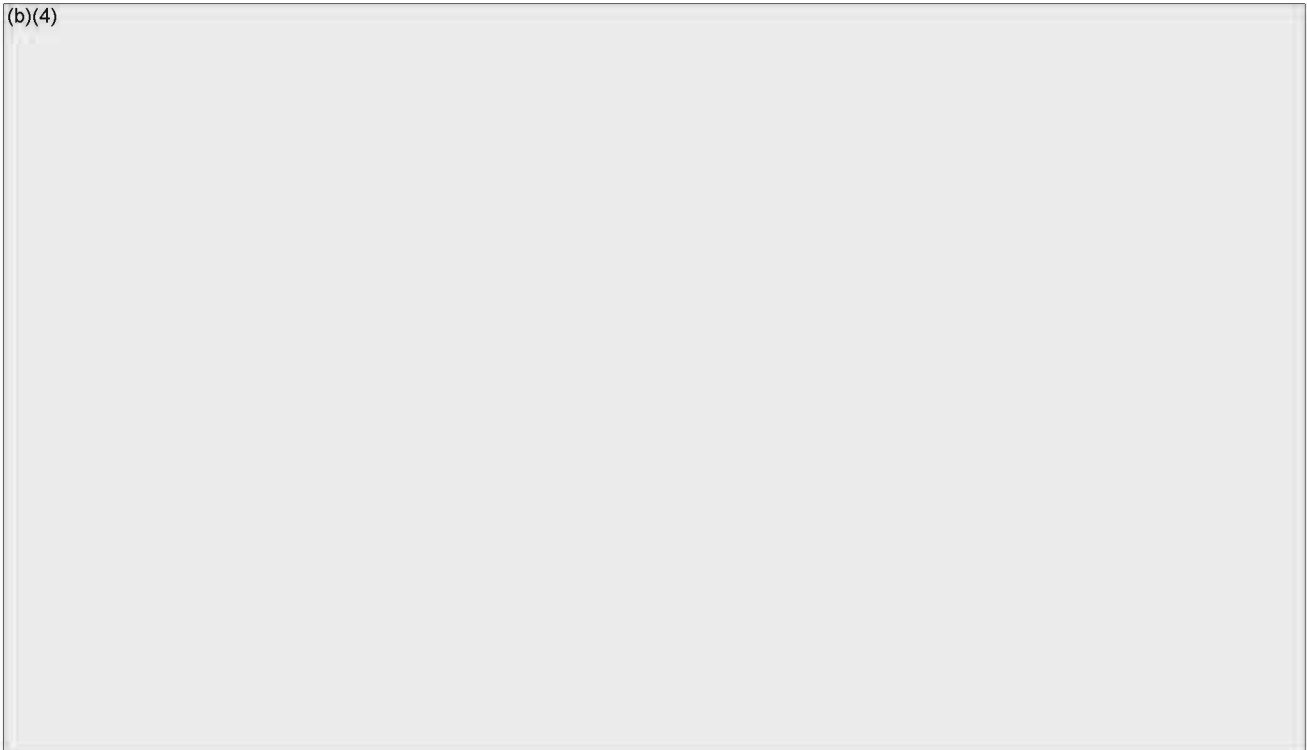
Total: (b)(4)

The following have been modified:

G-06 ALLOTMENT OF FUNDS (MAY 2005)

Pursuant to FAR 52.232-22, "Limitation of Funds," the total amount of funds presently available for payment and allotted to this contract (which covers all items, including fee payable), and the estimated period of performance said funds cover, are as follow:

(b)(4)



(b)(4)



(b)(4)



(b)(4)



(b)(4)



(End of Summary of Changes)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1 CONTRACT CODE V		PAGE OF PAGES 1 9	
2 AMENDMENT/MODIFICATION NO P00042		3 EFFECTIVE DATE 01-Feb-2011		4 REQUISITION-PURCHASE REQ NO SEE SCHEDULE		5 PROJECT NO (If applicable)	
6 ISSUED BY MISSILE DEFENSE AGENCY (MDA) 17211 AVENUE D SUITE 160 DAHLGREN VA 22448-5154		CODE HQ0276		7 ADMINISTERED BY (If other than item 6) DCMA NAVAL SEA SYSTEMS OPERATIONS 3000 MIDLANTIC DRIVE SUITE 201 MOUNT LAUREL NJ 08054		CODE S3110A	
8 NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) LOCKHEED MARTIN CORPORATION 199 BORTON LANDING RD MOORESTOWN NJ 08057-3054				9A AMENDMENT OF SOLICITATION NO			
				9B DATED (SEE ITEM 11)			
				X 10A MOD. OF CONTRACT ORDER NO. HQ0276-10-C-0001			
				X 10B DATED (SEE ITEM 13) 01-Oct-2009			
CODE 02769		FACILITY CODE					
11 THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment. (b) By acknowledging receipt of this amendment on each copy of the offer submitted. or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12 ACCOUNTING AND APPROPRIATION DATA (If required) See Schedule							
13 THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT ORDERS IT MODIFIES THE CONTRACT ORDER NO. AS DESCRIBED IN ITEM 14							
A THIS CHANGE ORDER IS ISSUED PURSUANT TO (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.							
B THE ABOVE NUMBERED CONTRACT ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B)							
X C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF FAR Clause 52.232-22, Limitation of Funds							
D OTHER (Specify type of modification and authority)							
E IMPORTANT Contractor <input checked="" type="checkbox"/> is not <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation contract subject matter where feasible.) Modification Control Number: (b)(4) The purpose of this modification is to obligate funds in the amount of (b)(4) for CLINs 0004/0005/0006, 0020/0021, and 0023/0024.							
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) (b)(6) / CONTRACTING OFFICER TEL: (b)(6) EMAIL: (b)(6)			
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA (b)(6) BY: (Signature of Contracting Officer)		16C. DATE SIGNED 01-Feb-2011	

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION B - SUPPLIES OR SERVICES AND PRICES

SUBCLIN 000409 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000409	Funding for CLIN 0004	
	ACRN GY	(b)(4)
	PURCHASE REQUEST NUMBER: 2603	

SUBCLIN 000507 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000507	Funding for CLIN 0005	
	ACRN GZ	(b)(4)
	PURCHASE REQUEST NUMBER: 2917	

SUBCLIN 000608 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000608	Funding for CLIN 0006	
	ACRN HA	(b)(4)
	PURCHASE REQUEST NUMBER: 2918	

SUBCLIN 002009 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
002009	Funding for CLIN 0020	
	ACRN HB	(b)(4)
	PURCHASE REQUEST NUMBER: 2738	

SUBCLIN 002108 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
002108	Funding for CLIN 0021	
	ACRN HC	(b)(4)
	PURCHASE REQUEST NUMBER: 2742	

SECTION G - CONTRACT ADMINISTRATION DATA

Accounting and Appropriation

Summary for the Payment Office

As a result of this modification, the total funded amount for this document was increased by (b)(4) from (b)(4)

SUBCLIN 000409:

Funding on SUBCLIN 000409 is initiated as follows:

ACRN: GY

CIN: 26030001

Acctng Data: 044411 097 000 0400 000 D 20112012 N 40603892C00 00 000 000 2520 HQ000612603 000001 000001

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 000507:

Funding on SUBCLIN 000507 is initiated as follows:

ACRN: GZ

CIN: 29170001

Acctng Data: 044411 097 000 0400 000 D 20112012 N 40603892C00 00 000 000 2520 HQ000612917
000001 000001

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 000608:

Funding on SUBCLIN 000608 is initiated as follows:

ACRN: HA

CIN: 29180001

Acctng Data: 044411 097 000 0400 000 D 20112012 N 40603892C00 00 000 000 2520 HQ000612918
000001 000001

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 002009:

Funding on SUBCLIN 002009 is initiated as follows:

ACRN: HB

CIN: 27380001

Acctng Data: 044411 097 000 0400 000 D 20112012 N 40603892C00 00 000 000 2520 HQ000612738
000001 000001

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 002108:

Funding on SUBCLIN 002108 is initiated as follows:

ACRN: HC

CIN: 27420001

Acctng Data: 044411 097 000 0400 000 D 20112012 N 40603892C00 00 000 000 2520 HQ000612742
000001 000001

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 002313:

GA: 044411 097 000 0400 000 D 20112012 N 40603892C00 00 000 000 2520 HQ01471237 000001
000001 (CIN 2370001) was increased by (b)(4)

SUBCLIN 002408:

GB: 044411 097 000 0400 000 D 20112012 N 40603892C00 00 000 000 2520 HQ01471366 000001
 000001 (CIN 3660001) was increased by (b)(4)

The following have been modified:

G-06 ALLOTMENT OF FUNDS (MAY 2005)

Pursuant to FAR 52.232-22, "Limitation of Funds," the total amount of funds presently available for payment and allotted to this contract (which covers all items, including fee payable), and the estimated period of performance said funds cover, are as follow:

(b)(4)

(b)(4)



(b)(4)



(b)(4)



(b)(4)



(End of Summary of Changes)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1 CONTRACT CODE V		PAGE OF PAGES 1 9	
2 AMENDMENT/MODIFICATION NO P00043		3 EFFECTIVE DATE 03-Feb-2011		4 REQUISITION-PURCHASE REQ NO SEE SCHEDULE		5 PROJECT NO (If applicable)	
6 ISSUED BY MISSILE DEFENSE AGENCY (MDA) 17211 AVENUE D SUITE 160 DAHLGREN VA 22448-5154		CODE HQ0276		7 ADMINISTERED BY (If other than item 6) DCMA NAVAL SEA SYSTEMS OPERATIONS 3000 MIDLANTIC DRIVE SUITE 201 MOUNT LAUREL NJ 08054		CODE S3110A	
8 NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) LOCKHEED MARTIN CORPORATION 199 BORTON LANDING RD MOORESTOWN NJ 08057-3054				9A AMENDMENT OF SOLICITATION NO			
				9B DATED (SEE ITEM 11)			
				X 10A MOD. OF CONTRACT ORDER NO. HQ0276-10-C-0001			
				X 10B DATED (SEE ITEM 13) 01-Oct-2009			
CODE 02769		FACILITY CODE					
11 THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment. (b) By acknowledging receipt of this amendment on each copy of the offer submitted. or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12 ACCOUNTING AND APPROPRIATION DATA (If required) See Schedule							
13 THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT ORDERS IT MODIFIES THE CONTRACT ORDER NO. AS DESCRIBED IN ITEM 14							
A THIS CHANGE ORDER IS ISSUED PURSUANT TO (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.							
B THE ABOVE NUMBERED CONTRACT ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B)							
X C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF FAR Clause 52.232-22, Limitation of Funds							
D OTHER (Specify type of modification and authority)							
E IMPORTANT Contractor <input checked="" type="checkbox"/> is not <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation contract subject matter where feasible.) Modification Control Number: (b)(4) The purpose of this modification is to obligate funds in the amount of (b)(4) for CLINs 0001/0002/0003.							
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) (b)(6) / CONTRACTING OFFICER TEL: (b)(6) EMAIL: (b)(6)			
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA (b)(6) BY: _____ (Signature of Contracting Officer)		16C. DATE SIGNED 03-Feb-2011	
(Signature of person authorized to sign)							

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION B - SUPPLIES OR SERVICES AND PRICES

SUBCLIN 000106 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000106	Funding for CLIN 0001	
	ACRN HD	(b)(4)
	PURCHASE REQUEST NUMBER: 2609	

SUBCLIN 000107 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000107	Funding for CLIN 0001	
	ACRN HG	(b)(4)
	PURCHASE REQUEST NUMBER: 3025	

SUBCLIN 000207 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000207	Funding for CLIN 0002	
	ACRN HE	(b)(4)
	PURCHASE REQUEST NUMBER: 2683	

SUBCLIN 000208 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000208	Funding for CLIN 0002	
	ACRN HH	(b)(4)
	PURCHASE REQUEST NUMBER: 3032	

SUBCLIN 000306 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000306	Funding for CLIN 0003	
	ACRN HF	(b)(4)
	PURCHASE REQUEST NUMBER: 2687	

SUBCLIN 000307 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
000307	Funding for CLIN 0003	
	ACRN HJ	(b)(4)
	PURCHASE REQUEST NUMBER: 3034	

SECTION G - CONTRACT ADMINISTRATION DATA

Accounting and Appropriation

Summary for the Payment Office

As a result of this modification, the total funded amount for this document was increased by (b)(4)
 from (b)(4)

SUBCLIN 000106:

Funding on SUBCLIN 000106 is initiated as follows:

ACRN: HD

CIN: 26090001

Acctng Data: 044411 097 000 0400 000 D 20112012 N 40603892C00 00 000 000 2520 HQ000612609
 000001 000001

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 000107:

Funding on SUBCLIN 000107 is initiated as follows:

ACRN: HG

CIN: 30250001

Acctng Data: 044411 097 000 0400 000 D 20112012 N 40603892C00 00 000 000 2520 HQ000613025
000001 000001

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 000207:

Funding on SUBCLIN 000207 is initiated as follows:

ACRN: HE

CIN: 26830001

Acctng Data: 044411 097 000 0400 000 D 20112012 N 40603892C00 00 000 000 2520 HQ000612683
000001 000001

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 000208:

Funding on SUBCLIN 000208 is initiated as follows:

ACRN: HH

CIN: 30320001

Acctng Data: 044411 097 000 0400 000 D 20112012 N 40603892C00 00 000 000 2520 HQ000613032
000001 000001

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 000306:

Funding on SUBCLIN 000306 is initiated as follows:

ACRN: HF

CIN: 26870001

Acctng Data: 044411 097 000 0400 000 D 20112012 N 40603892C00 00 000 000 2520 HQ000612687
000001 000001

Increase: (b)(4)
Total: (b)(4)

SUBCLIN 000307:

Funding on SUBCLIN 000307 is initiated as follows:

ACRN: HJ

CIN: 30340001

Acctng Data: 044411 097 000 0400 000 D 20112012 N 40603892C00 00 000 000 2520 HQ000613034
000001 000001

Increase: (b)(4)
Total: (b)(4)

The following have been modified:

G-06 ALLOTMENT OF FUNDS (MAY 2005)

Pursuant to FAR 52.232-22, "Limitation of Funds," the total amount of funds presently available for payment and allotted to this contract (which covers all items, including fee payable), and the estimated period of performance said funds cover, are as follow:

(b)(4)

(b)(4)



(b)(4)



(b)(4)



(b)(4)



(End of Summary of Changes)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE V		PAGE OF PAGES 1 7	
2. AMENDMENT/MODIFICATION NO. P00044		3. EFFECTIVE DATE 07-Feb-2011		4. REQUISITION/PURCHASE REQ. NO. SEE SCHEDULE		5. PROJECT NO.(If applicable)	
6. ISSUED BY MISSILE DEFENSE AGENCY (MDA) 17211 AVENUE D SUITE 160 DAHLGREN VA 22448-5154		CODE HQ0276		7. ADMINISTERED BY (If other than item 6) DCMA NAVAL SEA SYSTEMS OPERATIONS 3000 MIDLANTIC DRIVE SUITE 201 MOUNT LAUREL NJ 08054		CODE S3110A	
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) LOCKHEED MARTIN CORPORATION 199 BORTON LANDING RD MOORESTOWN NJ 08057-3054				9A. AMENDMENT OF SOLICITATION NO.			
				9B. DATED (SEE ITEM 11)			
				X 10A. MOD. OF CONTRACT/ORDER NO. HQ0276-10-C-0001			
				X 10B. DATED (SEE ITEM 13) 01-Oct-2009			
CODE 02769		FACILITY CODE					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required) See Schedule							
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.							
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.							
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).							
X C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: FAR Clause 52.232-22, Limitation of Funds							
D. OTHER (Specify type of modification and authority)							
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Modification Control Number: (b)(4) The purpose of this modification is to: 1) obligate funds in the amount of (b)(4) to CLINs 0023/0024 (TI 23-01) and 2) incorporate DFARS clauses 252.204-7000 (Disclosure of Information) and 252.222-7006 (Restrictions on the Use of Mandatory Arbitration Agreements) into the contract.							
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) (b)(6) / CONTRACTING OFFICER			
				TEL: (b)(6) EMAIL: (b)(6)			
15B. CONTRACTOR/OFFEROR _____ (Signature of person authorized to sign)		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA (b)(6) BY _____ (Signature of Contracting Officer)		16C. DATE SIGNED 07-Feb-2011	

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION B - SUPPLIES OR SERVICES AND PRICES

SUBCLIN 002316 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
002316	Funding for CLIN 0023	
	ACRN HK	(b)(4)
	PURCHASE REQUEST NUMBER: 3050	

SUBCLIN 002411 is added as follows:

ITEM NO	SUPPLIES/SERVICES	AMOUNT
002411	Funding for CLIN 0024	
	ACRN HL	(b)(4)
	PURCHASE REQUEST NUMBER: 3057	

SECTION G - CONTRACT ADMINISTRATION DATA

Accounting and Appropriation

Summary for the Payment Office

As a result of this modification, the total funded amount for this document was increased by (b)(4) from (b)(4)

SUBCLIN 002316:

Funding on SUBCLIN 002316 is initiated as follows:

ACRN: HK

CIN: 30500001

Acctng Data: 044411 097 000 0400 000 D 20112012 N 40603892C00 00 000 000 2520 HQ000613050
000001 000001

Increase: (b)(4)

Total: (b)(4)

SUBCLIN 002411:

Funding on SUBCLIN 002411 is initiated as follows:

ACRN: HL

CIN: 30570001

Acctng Data: 044411 097 000 0400 000 D 20112012 N 40603892C00 00 000 000 2520 HQ000613057
000001 000001

Increase: (b)(4)

Total: (b)(4)

The following have been modified:

G-06 ALLOTMENT OF FUNDS (MAY 2005)

Pursuant to FAR 52.232-22, "Limitation of Funds," the total amount of funds presently available for payment and allotted to this contract (which covers all items, including fee payable), and the estimated period of performance said funds cover, are as follow:

(b)(4)

(b)(4)



(b)(4)



(b)(4)



(b)(4)



SECTION I - CONTRACT CLAUSES

The following have been added by reference:

252.204-7000	Disclosure Of Information	DEC 1991
252.222-7006	Restrictions on the Use of Mandatory Arbitration Agreements	DEC 2010

(End of Summary of Changes)



DEPARTMENT OF DEFENSE
MISSILE DEFENSE AGENCY
AEGIS BALLISTIC MISSILE DEFENSE
17211 AVENUE D, SUITE 160
DAHLGREN, VA 22448-5148

7000
SER:AB-D/EATI1175
01 February 2011

AEGIS BMD FY11 TECHNICAL INSTRUCTION NO. 07-01 (LM 607) Emergent Threat Development for BMD 5.0.1, Revision 1

From: Program Executive, Aegis Ballistic Missile Defense Programs

To: Lockheed Martin MS2
Attn: (b)(6)
199 Borton Landing Road
P.O. Box 1027
Mail Stop 127-307
Moorestown, NJ 08057-0927

Via: DCMA Naval Sea System Operations
Attn: Administrative Contracting Officer
199 Borton Landing Road
Mail Stop 127-133
Moorestown, NJ 08057

Subj: Aegis BMD Baseline 5.0.1 Emergent Threat Development (CLIN-0007)

1. In the issuance of this instruction, it is the understanding of the Aegis BMD Program Manager that implementation of these requirements is within the scope of Contract HQ0276-10-C-0001. In the event Lockheed Martin MS2 feels implementation of this technical instruction exceeds the scope of the contract, Lockheed Martin MS2 will notify the Contracting Officer's Representative, (b)(6) MDA/AB D114, and the Contracting Officer in writing within two weeks after receipt and will take no action pursuant to this instruction.
2. This technical instruction is issued to pick-up incremental funding from P00041 by (b)(4) to (b)(4) and for administrative changes. Aegis BMD Technical Instruction, Initial is hereby superseded.

Aegis BMD Baseline 5.0.1 Emergent Threat Development
(CLIN-0007)

TECHNICAL INSTRUCTION 07-01

CONTRACT HQ0276-10-C-0001

Approved:

(b)(6)



I. Program Implementation

1. INTRODUCTION

A. Overview

This technical instruction provides the technical engineering required to define an "In Compliance" capability against an emergent threat, the Endo and Exo-atmospheric threats, as an integral part of the Aegis BMD 5.0.1 Baseline Weapon System.

This Technical Instruction (TI) also provides for the development of the Endo / Exo and MaxMIF functionality of the Aegis BMD Baseline 5.0.1 Weapon System. This instruction initiates the analysis to support performance requirements feasibility assessment in the development of BMD 5.0.1 ECS requirements. These efforts will support requirements feasibility studies for the BMD 5.0.1 SRR, and overall BMD 5.0.1 baseline support for Endo / Exo and MaxMIF functionality and design.

B. Program Schedule

The period of performance of this TI is from inception through 31 December 2011.

C. Material Requirements

The following CPM items may be required in support of this effort:

None.

The following GFM items may be required in support of this effort:

1. Encryption hardware / equipment supporting transmission of classified data using telecommunication network
2. Encryption KEYMAT material supporting transmission of classified data using telecommunication network
3. Site computer program and test equipment

4. Site specific equipment, tactical elements, and hardware required to support integration and test with remote facilities.

D. Information Requirements

In accordance with contract.

E. Contract Data Requirements

In accordance with contract.

F. Scope of Work

CLIN 0007 Aegis BMD Baseline 5.0.1 Emergent Threat Concept Development

As authorized by this technical instruction, the Contractor shall initiate the Emergent Threat concept development of the Aegis BMD Baseline 5.0.1.

Aegis Baseline 5.0.1 will modify Aegis BMD Baseline 5.0 to provide engagement capability against Exo-atmospheric threats by utilizing existing BMD 5.0 missiles and the associated weapon system changes to plan, detect, track, engage, intercept and kill assessment of the associated threats defined by the AB PAMT process.

The Contractor will meet the requirements for Program Management, Cost/Schedule Management, Combat System Engineering, Computer Program Development, Baseline Requirements Change Assessment, Performance Analysis, Critical Experiments, Site Installation and Site Equipment Development, Integration and Test, System Safety, RM&A Engineering, HSI, Data Management, QAP, Configuration Management, and IA as applicable to this task.

BMD 5.0.1 Emergent Threat Baseline Development

Current Period of Performance will focus on preparations for BMD 5.0.1 SRR to be held in March 2011, initiate preparations for the 5.0.1 SFR/SDR notionally to be held in June 2011, and initiate preparations for the 5.0.1 PDR notionally scheduled for December 2011. The Aegis BMD Systems Engineering Plan (SEP) Entrance/Exit

criteria will be tailored for this effort and agreed upon by the Aegis BMD program office. Major detailed tasks are amplified below:

Aegis BMD 5.0.1 Capability Performance Assessment Management Team (PAMT)

Participate in and provide support to the Aegis BMD 5.0.1 PAMT. This support includes:

- Attendance at PAMT and meetings to cover BMD 5.0.1 related analysis topics
- Continue tool updates needed to support BMD 5.0.1 ECS performance requirements feasibility assessment.
- Continue performance requirements feasibility assessment supporting development of BMD 5.0.1 ECS requirements in accordance with the schedule developed and negotiated within the PAMT
- FY11 priority is to define BMD 5.0.1 ECS performance requirements for the threat set and proposed design concepts, program management plan, IMS, and risks for the 5.0.1 computer program development.

BMD 5.0.1 ECS Working Group

Participate in and provide support to the BMD 5.0.1 ECS Working Group. This support includes:

- Attendance at BMD 5.0.1 ECS Working Group meetings
- Generate QIRs to address/resolve BMD 5.0.1 ECS requirements issues and TBS/TBD/TBRs
- Develop ECS requirements recommendations for inclusion in the BMD 5.0.1 ECS
- Conduct analysis supporting BMD 5.0.1 ECS requirements recommendations and response to BMD 5.0.1 ECS Working Group action items assigned to LM
- Collaborate with the B5 Baseline Management Team for development of Operational View (OV) and System View (SV)

BMD 5.0.1 Design Studies and Associated Tasks

This includes the following tasks:

- Required specification changes, including but not limited to A-spec, B1, and B5
- Design efforts to implement requirements from ECS

- Design Studies and trades to derive system and element level requirements

Additional System Engineering tasks and other technical areas of focus

- Provide recommendations, and identify technical and programmatic risks
- Conduct assessments and computer program timing studies to quantify MAX engagements
- Via B5, coordinate BMDS integration activities applicable to BMD 5.0.1 with MDA/AB B33 and B3D
 - Provide system engineering support of technical interchange meetings between Aegis BMD and other BMDS elements to update BMDS architecture assumptions supporting interface requirements definition applicable to BMD 5.0.1
 - Review and comment on BMD 5.0.1 Spec documents
 - Support external working groups to ensure Aegis BMD 5.0.1 interoperability with BMDS
- Coordinate activities with MDA/AB B5 to initiate, plan and execute a series of government-industry Technical Interchange Meetings (TIM) as required.
- Initiate additional system studies as required to support BMD 5.0.1 ECS / A-Spec requirements development and feasibility activities
- Initiate/Update A-Spec Preliminary Trace to the BMD 5.0.1 ECS as required for this task
- Provide a concept design strategy for BMD 5.0.1 that would adapt to SPY1D(Mod), SPY1D(V), and SPY1B(V) with one "superset" program

Non-CDRL Deliverables

- Briefings in support of an SRR and SDR
- QIRs in support of ECS working group
- White Papers as required

G. Program Management and Administration

Provide for the overall management, planning, scheduling and execution of all efforts described in this technical instruction. The contractor shall perform resource estimates as required.

H. Amplifying Information

None.

II. Budget Ceiling

The following constraints are imposed upon the Contractor. The estimated dollar amount for the cost of this projected effort is (b)(4). This effort will be completed by 31 December 2011. The total estimated man-hours to be provided (including subcontractors) is (b)(4) man-hours, the phasing of costs and potential award fee by fiscal year is:

CLIN	<u>FY11</u>	<u>FY12</u>	<u>TOTAL</u>
0007	(b)(4)		
*Award Fee			
Total			

*Potential Award Fee

Incremental Contract Funding Information

Task Manager: (b)(6)

Lockheed Martin Manager: (b)(6)

Contract P000/CLIN 0007	Date Funded	FY\$	Appn	Cost \$ Amount	Fee \$* Amount	Total \$ Amount	ACRN	Funding Source
(b)(4)								

*Potential Award Fee

Distribution:

MDA/AB D (b)(6)
MDA/AB B3
MDA/AB B3
MDA/AB B5
MDA/DACG
MDA/DOV
MDA/AB AX
DCMA (b)(6)
TechRep (b)(6)



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7000

SER:AB-D/EATI1172

01 February 2011

AEGIS BMD FY10-FY11 TECHNICAL INSTRUCTION NO. 17-01 (LM 451) BMD 5.1
REVISION 11

From: Program Executive, Aegis Ballistic Missile Defense Programs

To: Lockheed Martin MS2
Attn: (b)(6)
199 Borton Landing Road
P.O. Box 1027
Mail Stop 127-307
Moorestown, NJ 08057-0927

Via: DCMA Naval Sea System Operations
Attn: Administrative Contracting Officer
199 Borton Landing Road
Mail Stop 127-133
Moorestown, NJ 08057

Subj: Aegis BMD Baseline 5.1 Weapon System Development (CLIN-0017)

1. In the issuance of this instruction, it is the understanding of the Aegis BMD Program Manager that implementation of these requirements is within the scope of Contract HQ0276-10-C-0001. In the event Lockheed Martin MS2 feels implementation of this technical instruction exceeds the scope of the contract, Lockheed Martin MS2 will notify the Contracting Officer's Representative, (b)(6) MDA/AB D114, and the Contracting Officer in writing within two weeks after receipt and will take no action pursuant to this instruction.
2. This technical instruction revision is issued to pick-up incremental funding from P00041 by (b)(4) from (b)(4) and to make administrative changes. Revision 10 is hereby superseded.

Aegis BMD Baseline 5.1 Weapon System Development (CLIN-0017)

TECHNICAL INSTRUCTION 17-01

CONTRACT HQ0276-10-C-0001

Approved:

(b)(6)



I. Program Implementation

INTRODUCTION

A. Overview

This Technical Instruction (TI) provides for the development of the Aegis BMD Baseline 5.1 Weapon System. This Instruction initiates analysis, design, and development of the BMD 5.1 system.

B. Program Schedule

The period of performance of this TI is from 01 October 2009 through 30 September 2011.

C. Material Requirements

In accordance with contract.

D. Information Requirements

In accordance with contract.

E. Contract Data Requirements

In accordance with contract.

F. Scope of Work

CLIN 0017 Aegis BMD Baseline 5.1 Weapon System Development

As authorized by this technical instruction, the Contractor shall provide system engineering and program management to continue development of the Aegis BMD 5.1 Baseline and conduct the associated critical experiments.

Aegis BMD Baseline 5.1 shall modify Aegis BMD Baseline 5.0 to provide engagement capability against additional threats by integrating the SM-3 Block IIA and the associated Missile Encryption Upgrade and by providing Ascent Phase capabilities, Engage on Remote capabilities, C41, and MK41 VLS improvements.

The Contractor shall meet the requirements for Program Management, Cost/Schedule Management, Combat System Engineering, Computer Program Development, Baseline Requirements Change Assessment, Performance Analysis, Critical Experiments, Site Installation and Site Equipment Development, Integration and Test, System Safety, RM&A Engineering, HSI, Data Management, QAP, Configuration Management, and IA.

The Contractor shall maintain and upgrade the ACSIS, RSG, MEDUSA and ETEDDS, as required, to support development and test of Aegis BMD Baseline 5.1, per the requirements.

The Contractor, as the CSEA, shall provide Technical Director and System Engineer support to the planning and execution of critical experiments, including risk reduction efforts for the Engage on Remote capabilities.

FY11 (1 October 2010 - 30 September 2011) - BMD 5.1 Baseline Development

Current Period of Performance will focus on successful completion of BMD 5.1 System Requirements Review (SRR) scheduled for April 2011 and initial systems engineering to support a BMD 5.1 System Design Review (SDR). BMD 5.1 efforts will leverage BMD 5.0. Major detailed tasks are amplified below

BMD 5.1 Performance Assessment Management Team (PAMT)

Continue to participate in and provide support to the BMD 5.1 PAMT. This support includes:

- Attend PAMT and related meetings to address BMD 5.1 ECS performance requirements analysis topics
- Complete M&S tool updates needed to support BMD 5.1 ECS performance requirements feasibility assessment
- Complete performance requirements feasibility assessment supporting development of BMD 5.1 ECS requirements in accordance with the schedule developed and negotiated within the BMD 5.1 PAMT

BMD 5.1 Element Capabilities Specification (ECS) Development

Provide engineering support to the development of the BMD 5.1 ECS. This support includes:

- Attend BMD 5.1 ECS Working Group and related meetings to define BMD 5.1 ECS requirements
- Generate QIRs to address/resolve BMD 5.1 ECS requirements issues and TBS/TBD/TBRs
- Develop ECS requirements recommendations for inclusion in the BMD 5.1 ECS

- Conduct analysis supporting BMD 5.1 ECS requirements recommendations and respond to action items assigned to LM
- Support BMD 5.1 ECS Reading Days in preparation for SRR
- Post SRR, support Aegis BMD RWG, BERT, and CCB process to address SCNs submitted against the BMD 5.1 ECS

BMD 5.1 Systems Engineering Working Groups

Continue to participate in and provide support to BMD 5.1 systems engineering working groups including:

- Government-Lockheed co-led Engagement Working Group (EWG)
- Government-Lockheed co-led Discrimination Working Group (DWG)
- Government-Lockheed co-led Human Systems Integration (HSI)/Mission Planner (MP) Working Group (HSIMPWG)
- Government led Command Control Communications (C3) Working Group (C3WG), and MP Data Exchange (sub-working group under C3WG)
- Government-Industry Technical Interchange Meetings (TIM).
- Attend working group meetings to address BMD 5.1 requirements and conceptual design
- Provide responses to action items assigned to LM
- Develop and execute specific study plans and provide results for each working group

BMD 5.1 Concept White Papers

Develop a schedule to finalize the BMD 5.1 concept white papers in support of SRR. Conduct a Technical Interchange Meeting (TIM) to assess government comments for all concept white papers submitted in FY10. Provide final revision of the EI Organic and Kill Assessment concept white papers to support BMD 5.1 ECS requirements feasibility assessment.

BMD 5.1 Engage-on-Remote (EOR) Story Boards

Continue collaboration with the B5F Baseline Management team to complete and maintain the EOR Storyboards in accordance with the schedule developed in FY10. The EOR Story Boards will be used to aid in communicating EOR Concepts, determining IERs/ICPs, determining MP data exchange requirements, to inform HSI Mission Planner task functional analysis, and to bounding trade studies and analysis.

- Develop a prioritized plan and execute EOR related trade studies for FY11
- This tasking will be executed in collaboration with and monitored by the EWG

BMD 5.1 Requirements Feasibility Assessment

Conduct Requirements Feasibility Assessment in support of SRR.

- Complete analysis to address requirements feasibility issues planned for closure by SRR
- Continue analysis to address remaining requirements feasibility issues planned for closure post-SRR
- Provide periodic BMD 5.1 ECS Requirements Feasibility Assessment status briefings including closure plan for open requirements feasibility issues

BMD 5.1 System Requirements Review (SRR)

Support an SRR in FY11 in accordance with Entrance and Exit Criteria. The primary purpose of the SRR will be to review the requirements defined in the BMD 5.1 ECS.

- Collaborate with the B5F Baseline Management Team to develop SRR objectives, agenda, and entrance and exit criteria
- Develop SRR briefings for BMD 5.1 ECS Requirements Feasibility Assessment, BMD 5.1 System Design Concept, and Roadmap to BMD 5.1 SDR
- Identify, track, and develop mitigation plans for BMD 5.1 Risks
- Support development of government briefings as required

BMD 5.1 Program Plans

Provide SRR version of BMD 5.1 program plans consistent with maturity expectations defined in SRR entrance and exit criteria.

Program plans include:

- HSI Plan
- ISSPP
- ILS Plan
- SEMP
- MTEPP
- CPDP
- Other program plans may be generated consistent with LM process and best practices

BMD 5.1 Modeling and Simulation (M&S)

Continue M&S product development supporting BMD 5.1.

- Complete integration of DEBRISIM 5.x/6.x into LM M&S tool suite
- Initiate development of BMD 5.1 MEDUSA high-fidelity M&S tools including PROMETHEUS, SSTRESS, C3ISIM, NTWSim, and WCOASim
- Initiate requirements development for BMD 5.1 upgrades to RSG

C3 and BMDS Integration

Via B5F, coordinate C3 and BMDS integration activities applicable to BMD 5.1 with MDA/AB B33.

- Provide systems engineering support to the BMDS Link Integration Team (BDLIT) and Missile Defense Agency Sub-Group (MDASG) applicable to BMD 5.1
- Provide systems engineering support to Technical Interchange Meetings (TIM) between Aegis BMD and other BMDS elements to update BMDS architecture assumptions supporting interface requirements definition applicable to BMD 5.1
- Support Government with development of the draft BMD 5.1 SPAWAR TLR
- This tasking will be monitored by the government B33/B5F Co-led C3WG

BMD 5.1 Mission Planner Display Prototype

Develop Mission Planner Display Prototype and conduct analysis to support requirements allocation to lower tier specifications.

- Develop and document prototyping environment requirements
- Develop process for documenting top-down functional analysis (TFDA)
- Conduct TFDA with warfighter input
- Initiate display prototyping within prototype environment
- Initiate development of Usability Test Plans
- Initiate Mission Planner Usability Testing
- This tasking will be executed in collaboration with and monitored by the Government-Lockheed co-led HSIMPWG

SM-3 Cooperative Development (SCD) Project Support

Provide BMD 5.1 systems engineering support to the SCD Project from a BMD 5.1 perspective as required.

BMD 5.1 System Design

Initiate systems engineering and functional/performance analysis supporting BMD 5.1 system design definition. Determine draft requirements allocations for the following A-spec Section 3.2 paragraphs and their allocations to A-spec Section 3.7, selected AWS Element BIs, and MMSP B2.

Computing System Infrastructure Requirements Analysis

- Leveraging Information Assurance (IA) concept white paper completed in FY10, work with B5F Baseline Management Team to assess achieving adequate implementation of 8500.2 in BMD 5.1
- Conduct computing system infrastructure sizing and timing study

- Provide inputs to draft CSRD as applied to applicable Advanced Capability Build

Draft Specification Change Packages

- Develop draft A-Spec change package resulting from the BMD 5.1 System Design task
- Update A-spec requirements trace to BMD 5.1 ECS
- Initiate draft SPY, C&D, WCS, and ORTS B1-Spec change package resulting from BMD 5.1 System Design task
- Initiate draft MP and ADS B1-Spec change package resulting from the BMD 5.1 System Design and BMD 5.1 Mission Planner Display Prototype tasks
- Provide input to CSRD for Requirements Analysis task.
- Develop draft MMSP B2-Spec change package resulting from BMD 5.1 System Design task

Safety

Support SSSTRP and WSESRB as applied to BMD 5.1. Provide system safety engineering support to Government-Industry technical forums including CSSWG and AWS SSWG.

END FY11 Scope

FY10 (1 October 2009 - 30 September 2010) - BMD 5.1 Baseline Development

Current Period of Performance will focus on preparations for BMD 5.1 System Requirements Review (SRR). BMD 5.1 efforts will leverage BMD 5.0. BMD 5.1 will be a standalone program through the SRR with limited dependencies on PEO IWS/ACB-14/16. Major detailed tasks are amplified below, but are not limited to the following:

BMD 5.1 Performance Assessment Management Team (PAMT)

Continue to participate in and provide support to the BMD 5.1 PAMT. This support includes:

- Attendance at PAMT and meetings to cover BMD 5.1 related analysis topics
- Continue tool updates needed to support BMD 5.1 ECS performance requirements feasibility assessment.
- Continue performance requirements feasibility assessment supporting development of BMD 5.1 ECS requirements in accordance with the schedule developed and negotiated within the PAMT

- FY10 priority is to define BMD 5.1 ECS performance requirements for LRS&T, ESS&T, Cued Acquisition Quality of Service (QoS), and Early Intercept Organic (formerly called Ascent Phase Operations) Performance

BMD 5.1 Element Capability Specification (ECS) Working Group

Continue to participate in and provide support to the BMD 5.1 ECS Working Group. This support includes:

- Attendance at BMD 5.1 ECS Working Group meetings
- Generate QIRs to address/resolve BMD 5.1 ECS requirements issues and TBS/TBD/TBRs
- Continue to develop ECS requirements recommendations for inclusion in the BMD 5.1 ECS
- Conduct analysis supporting BMD 5.1 ECS requirements recommendations and response to BMD 5.1 ECS Working Group action items assigned to LM
- Collaborate with the B5F Baseline Management Team for development of Operational View (OV) and System View (SV)

BMD 5.1 RF Tracking and Discrimination Prototyping and Analysis

Conduct RF Tracking and Discrimination prototyping and analysis to support BMD 5.1 ECS performance requirements feasibility assessment.

- Develop high-fidelity RF Tracking and Discrimination design concept models to better characterize the design modifications that will be necessary to meet BMD 5.1 ECS requirements
- Conduct BMD 5.1 RF Tracking and Discrimination prototyping and analysis to evolve design concept, identify design drivers and assess performance against preliminary requirements allocations
- Conduct analysis to determine the utility of RF/IR FATC features are measurable, given the context of the BMD 5.1 Threats and Threat Scenarios being analyzed in the BMD 5.1 PAMT
- Plan, coordinate, and execute Discrimination Working Group (DWG) technical interchange meetings with MDA/AB B5F, APL, and MIT
- Develop and provide specific study plans and study results to support ECS / A-Spec development
- Update the FY09 RF Tracking and Discrimination Design Concept White Paper

Engage-on-Remote (EOR) and Engagement Surveillance Support Tracking (ESS&T)

Conduct functional analysis for Aegis-to-Aegis EOR and ESS&T to support allocations to lower tier specifications. Analysis shall provide the systems engineering basis to be extended for EOR with other BMDS sensors.

- Define the functions necessary to complete an EOR Engagement including the sequence of those functions and the allocation of those functions to the firing ship and ESS&T ship
- This task provides for detailed functional analysis of EOR and ESS&T capabilities to reduce the risk to BMD 5.1 implementation
- Develop Information Exchange Requirements (IER) and determine Interface Change Proposals (ICP) needed for EOR
- Develop and provide specific study plans and study results to support ECS / A-Spec development
- Plan, coordinate, and execute BMD 5.1 Engagement Working Group (EWG) technical interchange meetings with MDA/AB B5F
- Collaborate with the B5F Baseline Management team to develop a set of EOR Story Boards which will be used to aid in communicating EOR Concepts, determining IERs/ICPs, and to bounding trade studies and analysis
- Update the FY09 EOR Concept White Paper

Early Intercept Organic Performance Analysis

Conduct performance and functional analysis to support the government in defining performance requirements for the BMD 5.1 ECS with allocations to lower tier specifications.

- Develop and provide specific study plans and study results to support ECS / A-Spec development
- Develop an Early Intercept Organic Concept White Paper
- This task will be monitored by the 5.1 PAMT and the BMD 5.1 Engagement Working Group

Engagement Trade Studies and Analysis

Conduct trade studies, performance and functional analysis for the following Engagement areas.

- Review performance analysis products from BMD 4.0.1 Engagement Coordination Designs (ACN-0038 and DWES) to assess the utility and relevance of these concepts for BMD 5.1, given the context of the BMD 5.1 Threats and Threat Scenarios being analyzed in the BMD 5.1 PAMT, and considering Engagement-on-Remote (EOR) Capability

- Develop and provide specific study plans and study results, and Conceptual Design Documentation to support ECS / A-Spec development
- This task be monitored by the BMD 5.1 Engagement Working Group

Mission Planner Performance Analysis and Prototype Development

Conduct performance and functional analysis to support the government in defining BMD 5.1 ECS accuracy/performance requirements for 5.1 BMD Mission Planner with allocations to lower tier specifications.

- Develop and provide specific study plans and initial study results, and Conceptual Design Documentation to support BMD 5.1 ECS / A-Spec development
- Reinitiate development of the BMD 5.1 Mission Planner Prototype which started in FY09, after reaching concurrence on FY10 priorities and scope with B5F
- Update the FY09 Mission Planner Concept White Paper
- This task will be monitored by the BMD 5.1 ECS Working Group and the BMD 5.1 Engagement Working Group

Kill Assessment

Conduct performance and functional analysis to support the government in defining Kill Assessment BMD 5.1 ECS performance requirements with allocations to lower tier specification.

- Conduct an analysis to determine the frequency in which the remote providing sensor for Aegis as an EOR Shooter would be in a position to conduct an RF Kill Assessment, given the context of the BMD 5.1 Threats and Threat Scenarios being analyzed in the BMD 5.1 PAMT
- Develop and provide specific study plans and study results, and Conceptual Design Documentation to support ECS / A-Spec development
- Update the FY09 Kill Assessment Concept White Paper
- This task will be monitored by the BMD 5.1 ECS Working Group, BMD 5.1 Engagement Working Group, and the BMD 5.1 PAMT

Other BMD 5.1 Concept White Papers

Provide draft update of the FY09 BMD 5.1 concept white papers to support BMD 5.1 ECS requirements feasibility assessment and requirements allocation process. Develop a schedule to update the following concept white papers. Conduct a Technical Interchange Meeting with the B5F Baseline Management Team to discuss government feedback and direction for all of the FY09 concept

white papers, so that changes can be incorporated for the FY10 update.

- Information Assurance (IA)
- Engagement Coordination
- Weapon Selection Logic
- Note that the Anti-Tamper (AT) Concept White Paper delivered in FY09 is expected to be sufficient to support SRR.

BMD 5.1 Modeling and Simulation

Initiate MEDUSA model development supporting BMD 5.1 system performance.

In-Process Review (IPR)

Support an IPR prior to the end of FY10. The primary purpose of the BMD 5.1 IPR will be to conduct an assessment of the requirements maturity of the BMD 5.1 ECS and review the plan to complete the work remaining prior to SRR.

- Collaborate with the B5F Baseline Management Team to develop specific IPR criteria and agenda
- Develop briefings for requirements feasibility, performance analysis, conceptual design, closure plans for critical path items needed prior to SRR, and other topics as appropriate

Additional System Engineering tasks and other technical areas of focus

- Continue the development of a Draft BMD 5.1 System Engineering Management Plan (SEMP) specific to BMD 5.1
- Update/Initiate the program plans in support of the BMD 5.1 SRR. Plans include the following: (b)(4)
(b)(4) Execute BMD 5.1 baseline development according to defined system engineering process procedures
- Provide recommendations, and identify technical and programmatic risks
- Continue Safety System Program Plan (SSPP) input for BMD 5.1 consistent with WSESRB Concurrence for the Baseline
- Via B5F, coordinate BMDS integration activities applicable to BMD 5.1 with MDA/AB B33 and B3D
 - o Provide system engineering support of technical interchange meetings between Aegis BMD and other BMDS elements to update BMDS architecture assumptions supporting interface requirements definition applicable to BMD 5.1
 - o Review and comment on BMD 5.1 Spec documents

AEGIS BMD FY10 TECHNICAL INSTRUCTION
17-01 (LM 451) BMD 5.1 REVISION 11

- o Support external working groups to ensure Aegis BMD 5.1 interoperability with BMDS
 - o Provide system engineering support to the BMD Link Integration Team (BDLIT) applicable BMD 5.1
 - o Initiate support for development of the SPAWAR C4I Top Level Requirements Document
- Coordinate activities with MDA/AB B5F to initiate, plan and execute a series of government-industry Technical Interchange Meetings (TIM) in addition to the DWGs and EWGs as required.
- Initiate additional system studies as required to support BMD 5.1 ECS / A-Spec requirements development and feasibility activities
- Initiate the review of existing Government Documents/Combat System Specification Type A WS-21200
 - o Identify existing government documents/IDSs
 - o Identify requirement for new government documents/IDSs
- Initiate A-Spec Preliminary Trace to the BMD 5.1 ECS

END FY10 Scope

G. Program Management and Administration

Provide for the overall management, planning, scheduling and execution of all efforts described in this technical instruction. The contractor shall perform resource estimates as required.

H. Amplifying Information

None.

II. Budget Ceiling

The following constraints are imposed upon the Contractor. The estimated dollar amount for the cost of this projected effort is (b)(4). This effort will be completed by 30 September 2011. The total man-hours to be provided (including subcontractors) is (b)(4) man-hours for FY10 and (b)(4) man-hours for FY11, the phasing of costs and potential award fee by fiscal year is:

CLIN	FY10	FY11	TOTAL
(b)(4)			

		*Award Fee for CLIN 0017	
CLIN	FY10	FY11	TOTAL
(b)(4)			

		*Technical/Schedule Performance Incentive Fee	
CLIN	FY10	FY11	TOTAL
(b)(4)			

*Potential Award/Incentive Fee

Incremental Contract Funding Information

Task Manager: (b)(6)

Lockheed Martin Manager: (b)(6)

Contract P000/CLIN 0017	Date Funded	FY\$	Appn	Cost \$ Amount	Fee \$* Amount	Total \$ Amount	ACRN	Funding Source
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(b)(4)								
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Contract P000/CLIN 0018	Date Funded	FY\$	Appn	Award Fee \$* Amount	ACRN	Funding Source
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(b)(4)						
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AEGIS BMD FY10 TECHNICAL INSTRUCTION
 17-01 (LM 451) BMD 5.1 REVISION 11

Contract P000/CLIN 0019	Date Funded	FY\$	Appn	Incentive Fee \$* Amount	ACRN	Funding Source
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(b)(4)

*Potential Award
Fee

Distribution:

MDA/AB D (b)(6)
 MDA/AB AC
 MDA/AB B3
 MDA/AB B3
 MDA/AB B5
 MDA/DACG
 MDA/DOV
 DCMA (b)(6)
 TechRep (b)(6)



DEPARTMENT OF DEFENSE
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7000

SER:AB-D/EATI1159

28 December 2010

AEGIS BMD FY10 TECHNICAL INSTRUCTION NO 20-01 (LM 465) Post Cert
Revision 8

From: Program Executive, Aegis Ballistic Missile Defense Programs

To: Lockheed Martin MS2
Attn: (b)(6)
199 Borton Landing Road
P.O. Box 1027
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Moorestown, NJ 08057-0927

Via: DCMA Naval Sea System Operations
Attn: Administrative Contracting Officer
199 Borton Landing Road
Mail Stop 127-133
Moorestown, NJ 08057

Subj: Aegis BMD Computer Program Maintenance / Post Certification
Weapon System Support (CLIN 0020)

1. In the issuance of this instruction, it is the understanding of the Aegis BMD Program Manager that implementation of these requirements is within the scope of Contract HQ0276-10-C-0001. In the event Lockheed Martin MS2 feels implementation of this technical instruction exceeds the scope of the contract, Lockheed Martin MS2 will notify the Contracting Officer's Representative, (b)(6) MDA/AB D114, and the Contracting Officer in writing within two weeks after receipt and will take no action pursuant to this instruction.
2. This technical instruction revision is to extend period of performance to 30 September 2011, to add scope for remainder of FY11 FTM-15 effort with an increase to budget ceiling of (b)(4) making the budget increase from (b)(6) to (b)(4) to pick-up incremental funding from P00036 by (b)(4) and for administrative changes. Aegis BMD Technical Instruction 20-01 (LM 465) Post Cert Rev. 7 is hereby superseded.

Aegis BMD Computer Program Maintenance / Post Certification Weapon
System Support

TECHNICAL INSTRUCTION 20-01

CONTRACT HQ0276-10-C-0001

Approved:

(b)(6)



I. Program Implementation

1. INTRODUCTION

A. Overview

This Level of Effort (LOE) Technical Instruction (TI) provides the Aegis BMD combat system engineering, post-certification computer program maintenance updates and certification support for the BMD 3A.6.1 and 3.6.1 baselines. Also included is Real World Analysis along with other system performance analysis and data requests to resolve Test Observation Reports (TOR's) or to develop responses to Fleet feedback issues, and support of Flight Test Missions (FTMs) using BMD 3.6.1 Baseline ships.

B. Program Schedule

The period of performance for this TI is 1 October 2009 through 30 September 2011.

C. Material Requirements

Not applicable

D. Information Requirements

The government will provide updated threat data in the necessary format.

Any updated ACS Programs which would require integration testing as part of the Maintenance update will be required.

E. Contract Data Requirements

In accordance with contract.

F. Scope of Work

BMD 3.6.1 Baseline

The scope of the Aegis BMD support effort is as follows. As the CSEA manage the overall LOE computer program/system maintenance update effort:

1. Effort Completed: Complete and deliver computer program 3A.6.1.2 and 3.6.1.2 maintenance updates and support Certification efforts. This effort shall end with 3A.6.1.2 and 3.6.1.2 system certification July 2010.

(b)(4)

- a. Execute the Combat System Engineering, which includes but may not be limited to:
 - Computer program project engineering which includes: CRB, SIB, SCRIBE, SCM and following the QA process for computer programs delivered to NSWC Dahlgren
 - Engineering review of TORs/CPCRs
 - Engineering to implement and test modifications and corrections e.g. CPCr fixes, Design updates, SECF updates, etc.
 - Software engineering to code modifications and corrections
 - Safety engineering to review CPCRs and support the government Safety Team in preparation for SSSTRP and WSESRB
 - Modeling and Simulation engineering to update models as required due to CPCr updates and conduct performance analysis
 - Deliver CP updates and Patches via letter of transmittal
 - Support shipboard testing for CIWS split mounts
 - Support VOM testing for missile re-synch update
 - Modify VGI Software version 0850CE to incorporate fixes for the crypto key loading issues identified by STRs during JFTM-3. The updated 0850CF version shall be included in the BMD 3.6.1.2 maintenance, certification and install efforts.

2. Effort Completed: Conduct Real World Analysis.

a. Joint Staff Analysis.

1. In response to COCOM Request for Information (RFI), conduct and coordinate analysis with GMD. This effort shall end with 3A.6.1.2 and 3.6.1.2 system certification July 2010.

3. Effort Completed: When directed provide support to MDA/AB requests for data and analysis in response to emergent TOR's and/or developing responses to Fleet observation issues. This effort shall end with 3A.6.1.2 and 3.6.1.2 system certification July 2010.

4. Effort Completed: Other Analysis and Special Studies.

- a. As directed by the MDA/AB Task Manager, conduct analysis and/or special studies which include but not limited to researching information, developing White Papers or briefings to present the results of the requested information. This includes the whitepaper for the Operational Task, BMD TTP Exercise and Related Excess BM Alerts. This effort shall end with 3A.6.1.2 and 3.6.1.2 system certification July 2010.
- b. Assist Aegis BMD in providing responses to MDA and OPNAV's questions concerning Aegis BMD performance, in the presence of WiMAX system, by providing various white papers and briefings. Conduct performance analysis to determine BMD SPY-dependent engagement performance for selected threat systems with and without the higher frequency sub-bands available. Provide, identify, and quantify possible methods and techniques to functionally remediate WiMAX interference for the SPY radar. WiMAX system white paper and briefing to MDA/AB; completed September 2010.

5. Provide Flight Mission test support for Pre-mission, Mission execution, Post-Mission, and Video efforts as directed by MDA/AB.

a. FTM-15.

Support pre-mission planning, preparation and analysis including Joint Analysis Team (JAT) participation and coordination with TPY-2 and C2BMC, test procedure reviews, Mission Control Panel (MCP) reviews, Scenario Certification reviews, Technical Interchange Meetings (TIMs), High Fidelity Analysis, End-To-End-Distributed-Data-System (ETEDDS) testing, and Hardware-In-The-Loop HWIL Testing, and other efforts necessary for execution of this Flight Test Mission.

- JAT participation is expected to start May 2010 and continue through July 2011.
- Initial HWIL System Performance Measurement Testing (HWIL SPMT #1) is expected to complete December 2010.
- HWIL SPMT #2 testing is expected to start December 2010 and continue through February 2011.
- o Complete nominal and off-nominal performance predictions against the planned targets for the FTM-15 Firing scenario. Provide MDA/AB briefing of analyses results in advance of Scenario Certification.
 - Briefing material summarizing analysis results for Scenario Certification shall be provided no later than 7 January 2011.
- o Participate in and provide necessary subject matter expertise needed during FTM-15 Scenario Certification and associated preparation meetings. Respond to FTM-15 Scenario Certification action items and inquiries.
 - Scenario Certification is currently scheduled 12-13 January 2011.
- o Complete all analysis to support a successful FTM-15 Mission Control Panel (MCP). Provide MDA/AB briefing of analysis results no later than 3 days prior to the Tech Review. Tech Review is currently scheduled 23-25 February 2011 with the MCP currently scheduled 1-3 March 2011.
 -
- o Participate in the FTM-15 MCP and associated preparation meetings. Prepare and present AWS Readiness Assessment including:
 - An assessment of the ship readiness to support the FTM-15 mission.

- An assessment of CPCR's open to Aegis BMD 3.6.1 for potential mission impact.
 - Information on any problems experienced during previous testing, including MEIT and INCO that may have mission impact.
- Provide to MDA/AB an AWS Readiness Assessment briefing no later than 3 days prior to the Tech Review. Respond to MCP action items and inquiries.
- MCP is currently scheduled 1-3 March 2011.
- o Support development of the Waterfront Integration Test (WIT) Test Plan and DMAP (Data Management Analysis Plan). Participate in shipboard WIT and review TORs generated during WIT, and Firing Team Training together with CPCR's open to Aegis BMD 3.6.1 for potential mission impact. Participate in the FTM-15 WIT Data Review and provide a Shipboard Readiness Assessment brief.
 - WIT, Firing Team Training, and shipboard readiness assessments are expected to be conducted 21 March through 8 April based upon ship availability.
 - WIT Data Review is currently scheduled 4 April.
 - Initial release of the DMAP is expected December 2010.
 - Release of the final DMAP is currently scheduled March 2011.
 - o Provide capability to capture classified shipboard video data documentation to support post-mission analysis of CIC operations during the flight mission.
 - o Provide on-site systems engineering and analysis support at the Pacific Missile Range Facility (PMRF) during dry runs and mission execution to evaluate and assess shipboard information real-time for mission impact.
 - Dry Run is currently scheduled 11 April and Dress Rehearsal is scheduled 12 April.
 - o Provide on-site engineering and analysis support at NSWC Corona throughout the FTM-15 test campaign from dry runs through mission execution to participate in the Consolidated Data Analysis Team.

This effort is anticipated to end with completion of the FTM-15 flight mission, estimated to be scheduled no later than April 2011."

(b)(4) of FTM-15 estimate applied to Program Management.

G. Program Management and Administration

Provide for the overview planning, scheduling, financial management, and execution of all efforts described in this Technical Instruction scope, including the efforts of all subcontractors. Specific areas of management responsibilities include configuration management, quality management, finance, and logistics. The Contractor shall perform resource estimates as required. (b)(4)

(b)(4)

H. Amplifying Information

1. Cost of operation and maintenance of the PGC, CSETC, NSCC and/or CSEDS sites shall be furnished under separate contract. This effort will not include any support of these facilities.
2. This effort will not include Software Quality Assurance activities for CSEDS Site, CPTS and/or CSC (field quality). That support is furnished under a separate contract.
3. The NSWC/DD Certification process will be used in executing the maintenance part of this effort.
4. The AWS updated computer programs, which have been upgraded or otherwise changed during this effort, will be provided via the Navy approved Joint Verification & Validation (JV&V) process with accompanying Configuration Management (CM) and LM Quality Assurance (QA). Each delivery will be provided with an accompanying letter of transmittal to NSWC/DD.
5. Any updated Documentation will be delivered under a contract letter.

Aegis Computer Program Standards (CPS) shall be invoked on this effort.

6. Provide engineering and program planning support, as required, to MDA/AB for efforts relating to the

programmatic impact and implications of this task including the impact on ship integration and installation.

II. Budget Ceiling

The following constraints are imposed upon the Contractor. The dollar amount for the cost of this projected effort is (b)(4). This effort will be completed by 30 September 2011. The estimate of total man-hours to be provided (including subcontractors) is (b)(4) man-hours, the phasing of costs and potential award fee by fiscal year is:

CLIN	FY10	FY11	TOTAL
(b)(4)			

	*Award Fee for CLIN 0020		
CLIN	FY10	FY11	TOTAL
(b)(4)			

*Potential Award/Incentive Fee

Incremental Contract Funding Information

Task Manager: (b)(6)

Lockheed Martin Manager: (b)(6)

Contract P000/CLIN 0020	Date Funded	FY\$	Appn	Cost \$ Amount	Fee \$* Amount	Total \$ Amount	ACRN	Funding Source
(b)(4)								

Contract P000/CLIN 0021	Date Funded	FY\$	Appn	Fee \$* Amount	ACRN	Funding Source
(b)(4)						

*Potential Award
Fee

AEGIS BMD FY10 TECHNICAL INSTRUCTION
20-01 (LM 465) Post Cert Revision 8

Distribution:

MDA/AB D (b)(6)
MDA/AB B3
MDA/AB B3
MDA/AB B4
MDA/AB B5
MDA/AB B6
MDA DACG
MDA/DOV (b)(6)
DCMA (b)(6)
TechRep (b)(6)



DEPARTMENT OF DEFENSE
MISSILE DEFENSE AGENCY
AEGIS BALLISTIC MISSILE DEFENSE
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7000
SER:AB-D/EAT11160
28 December 2010

AEGIS BMD FY10 TECHNICAL INSTRUCTION NO 20-02 (LM 530) Post Cert
Efforts for BMD 4.0.1 Revision 4

From: Program Executive, Aegis Ballistic Missile Defense Programs

To: Lockheed Martin MS2
Attn: (b)(6)
199 Borton Landing Road
P.O. Box 1027
Mail Stop 127-307
Moorestown, NJ 08057-0927

Via: DCMA Naval Sea System Operations
Attn: Administrative Contracting Officer
199 Borton Landing Road
Mail Stop 127-133
Moorestown, NJ 08057

Subj: Aegis BMD Computer Program Maintenance / Post Certification
Weapon System Support (CLIN 0020)

1. In the issuance of this instruction, it is the understanding of the Aegis BMD Program Manager that implementation of these requirements is within the scope of Contract HQ0276-10-C-0001. In the event Lockheed Martin MS2 feels implementation of this technical instruction exceeds the scope of the contract, Lockheed Martin MS2 will notify the Contracting Officer's Representative, (b)(6) MDA/AB D114, and the Contracting Officer in writing within two weeks after receipt and will take no action pursuant to this instruction.
2. This technical instruction revision is issued to pick up funding from P00036 by (b)(4) to (b)(4) and for administrative changes. Aegis BMD Technical Instruction 20-02 Revision 3 (LM 530) Post Cert Efforts for BMD 4.0.1 is hereby superseded.

AEGIS BMD FY10 TECHNICAL INSTRUCTION

20-02 (LM 530) Post Cert for BMD 4.0.1 Revision 4

Aegis BMD Computer Program Maintenance / Post Certification Weapon
System Support

TECHNICAL INSTRUCTION 20-02

CONTRACT HQ0276-10-C-0001

Approved:

(b)(6)



I. Program Implementation

1. INTRODUCTION

A. Overview

This Level of Effort (LOE) Technical Instruction (TI) provides the Aegis BMD combat system engineering, program management services, and post-certification support for the BMD 4.0.1 baseline. This effort also includes FTM and ASD support including Pre-Mission Analysis, Mission Execution support and Post Mission Analysis and support to Operational Test and Evaluation, per the requirements.

B. Program Schedule

The period of performance for this TI is 1 May 2010 through 31 December 2012.

C. Material Requirements

Not applicable except for CPM support.

D. Information Requirements

The government will provide updated threat data in the necessary format.

E. Contract Data Requirements

In accordance with contract.

F. Scope of Work

BMD 4.0.1 Baseline

The scope of the Aegis BMD support effort is as follows:

1. Conduct technical evaluations of concepts and provide Rough Order of Magnitude Cost estimates and planning for the following:

- Test Event support for JFTM-4 (scheduled for Oct 2010).
- Mission Planner Client/Server and HSI Training Laptop for ATRC, including a FY10 TIM for requirement/architecture definition.
- Wildcat Operational Feasibility Analysis/LRS&T Analysis/Debris Analysis
- Collaborative Planning
- Threat Adaptation Data (TAD) for M073, M142, I315, and M055

Total scope for this effort is estimated at (b)(4) hours (b)(4)

2. As the CSEA manage the overall participation of BMD 4.0.1 in the JFTM-4 event. This effort will continue into FY11 with hours and budget as provided below:

- a. The contractor shall conduct engineering activities required to support and conduct JFTM-4 Oct 2010 consisting of two ARAV-B TRACKEXs and one MRT TRACKEX. The engineering effort includes:

- 1) Mission Preparation and Analysis (remainder of analysis not conducted on CLIN 0010)
 - Generation of test requirements and objectives based on overall event objectives
 - Event planning
 - Predictive analysis based on GFI RF signature and trajectory data for all targets
 - Generation of high fidelity target data
 - Generation of DTTs, ACSIS Scenarios and RSG Scenarios
 - Test scenario checkout at CSEDS
 - Generation of Test Directors Guide
 - Review of mission test plans, sensor test plans, test objectives, requirements documents, shipboard procedures, mission timeline, and DMAP
 - Preparation of presentations for and support of TEWGs, IWGs, Aux Sensor Meetings, Scenario Certification, MCRBs, MCP, and MRRs as required
 - Update ACSIS, RSG, and MEDUSA support as required

- Conduct Technical Interchange Meetings (TIMs)
- 2) Mission Modifications and Test
 - Identify Computer program, equipment, and firmware design modifications as required
 - Support CSEDS testing on modified computer programs, equipment, and firmware
 - Provide inputs to BMD 4.0.1 System Demonstration plan and procedures for inclusion testing requirements at CSEDS
 - Support documentation of testing results in Engineering Assessment and System Demonstration Final test report
 - Provide shipboard test event procedures
 - 3) Waterfront Integration and Test (WIT)
 - On-site element and system testing
 - Underway checkouts prior to event
 - Support of ship's force briefings and crew training
 - 4) Mission Event Execution
 - Support for at-sea test event
 - 5) Post-Event Analysis
 - Post-event data analysis
 - Support for and preparation of presentations for quick-look reviews, data analysis working groups, Mission Data Reviews (MDR), and Weapons System Performance Reviews (WSPR) as required
 - Generation of final report
 - Support for and preparation of presentations for Program Reviews as required
 - Archival and dissemination of test event data

The total scope for this effort is estimated at (b)(4) hours
(b)(4). FY10 effort is estimated at (b)(4) hours and
(b)(4). The anticipated FY11 effort is estimated at (b)(4)
hours (est. (b)(4)).

3. As the CSEA manage procurement, installation, and testing of the Signal Processor (BSP) Technology Refresh of the

Gen 3+ equipment. This effort will continue into FY11 and FY12 with hours and budget as provided below:

a. The contractor shall conduct engineering activities required to support, install and test the BSP Gen 3+ Tech Refresh at the following sites/ships:

- Radar I&T regression testing with Gen3+ equipment at CSEDS.
- Cruiser and Sites equipment development for Tech Refresh Retrofits
- ORTS Development for RADMC Integration
- Support for DMS issues related to COTS Hardware and Operating Environment
- Software Design Code and Test for Gen3+ system for builds 17 thru 20
- Regression Test of B2 ET&E on Gen3+ system with Build 16
- DP (Non-RCP/SCUS) CPCR check out of builds 19 thru 20
- DP Tech Refresh Cabinet Design Update
- DP Tech Refresh Qualification by similarity
- CAM and IPT support

The total effort for this task is estimated at (b)(4) hours (b)(4). The FY10 effort is estimated at (b)(4) hours. The anticipated FY11 and FY12 efforts is estimated at (b)(4) hours (est. (b)(4)).

G. Program Management and Administration

Provide for the overview planning, scheduling, financial management, and execution of all efforts described in this Technical Instruction scope, including the efforts of all subcontractors. Specific areas of management responsibilities include configuration management, quality management, finance, and logistics. The Contractor shall perform resource estimates as required. Provide engineering and program planning support, as required, to MDA/AB for efforts relating to the programmatic impact and implications of this task.

H. Amplifying Information

1. Cost of operation and maintenance of the PGC, CSETC, NSCC and/or CSEDS sites shall be furnished under separate contract
 - a. This effort will not include any support of these facilities.
 - b. This effort will not include Software Quality Assurance activities for CSEDS Site, CPTS and/or CSC (field quality). That support is furnished under a separate contract.
2. The AWS updated computer programs, which have been upgraded or otherwise changed during this effort, will be provided via the Navy approved Joint Verification & Validation (JV&V) process with accompanying Configuration Management (CM) and LM Quality Assurance (QA). Each delivery will be provided with an accompanying letter of transmittal to NSWC/DD.
3. Any updated Documentation will be delivered under a contract letter.
4. Aegis Computer Program Standards (CPS) shall be invoked on this effort. Tailoring of the CPS shall be accomplished, as necessary, and reflected in the Software Development Plan, as applicable.

II. Budget Ceiling

The following constraints are imposed upon the Contractor. The estimated dollar amount for the cost of this projected effort is (b)(4). This effort will be completed by 31 December 2012. The estimated of total man-hours to be provided (including subcontractors) is (b)(4) man-hours, the phasing of costs and potential award fee by fiscal year is:

CLIN	<u>FY10</u>	<u>FY11**</u>	<u>FY12**</u>	<u>TOTAL**</u>
0020	(b)(4)			
*Incentive Fee				
Total				

		*Award Fee for CLIN 0020		
CLIN	<u>FY10</u>	<u>FY11**</u>	<u>FY12**</u>	<u>TOTAL**</u>
0021	(b)(4)			
Total				

*Potential Award/Incentive Fee

** Contingent upon availability of FY11/FY12 Funding

AEGIS BMD FY10 TECHNICAL INSTRUCTION
20-02 (LM 530) Post Cert for BMD 4.0.1 Revision 4

Incremental Contract Funding Information

Task Manager:

(b)(6)

Lockheed Martin Manager:

(b)(6)

Contract P000/CLIN 0020	Date Funded	FY\$	Appn	Cost \$ Amount	Fee \$* Amount	Total \$ Amount	ACRN	Funding Source
(b)(4)								

Contract P000/CLIN 0021	Date Funded	FY\$	Appn	Fee \$* Amount	ACRN	Funding Source
(b)(4)						

*Potential Award Fee

Distribution:

MDA/AB D (b)(6)

MDA/AB AD

MDA/AB B3

MDA/AB B31

MDA/AB B4

MDA/AB B5

MDA/AB B6

MDA DACG (

MDA/DOV (b)(6)

DCMA (b)(6)

TechRep (b)(6)



DEPARTMENT OF DEFENSE
MISSILE DEFENSE AGENCY
AEGIS BALLISTIC MISSILE DEFENSE
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DAHLGREN, VA 22448-5148

7000
SER:AB-D/EATI1120
17 September 2010

AEGIS BMD FY10 TECHNICAL INSTRUCTION NO. 22-01 (LM 452) BMDS INT
REVISION 10

From: Program Executive, Aegis Ballistic Missile Defense Programs

To: Lockheed Martin MS2
Attn: (b)(6)
199 Borton Landing Road
P.O. Box 1027
Mail Stop 127-307
Moorestown, NJ 08057-0927

Via: DCMA Naval Sea System Operations
Attn: Administrative Contracting Officer
199 Borton Landing Road
Mail Stop 127-133
Moorestown, NJ 08057

Subj: Ballistic Missile Defense System (BMDS) Integration (CLIN-
0022)

1. In the issuance of this instruction, it is the understanding of the Aegis BMD Program Manager that implementation of these requirements is within the scope of Contract HQ0276-10-C-0001. In the event Lockheed Martin MS2 feels implementation of this technical instruction exceeds the scope of the contract, Lockheed Martin MS2 will notify the Contracting Officer's Representative, (b)(6), MDA/AB D114, and the Contracting Officer in writing within two weeks after receipt and will take no action pursuant to this instruction.
2. This technical instruction revision is issued to provide clarity for FTX-16 Support. Aegis BMD Technical Instruction 22-01 (LM 452) BMDS INT Revision 9 is hereby superseded.

AEGIS BMD FY10 TECHNICAL INSTRUCTION
22-01 (LM 452) BMDS INT Revision 10

Ballistic Missile Defense System (BMDS) Integration

TECHNICAL INSTRUCTION 22-01

CONTRACT HQ0276-10-C-0001

Approved:

Approved:

Approved:

(b)(6)



I. Program Implementation

1. INTRODUCTION

A. Overview

This Technical Instruction (TI) defines the Lockheed Martin efforts required for the Aegis BMD 3.6.1, 4.0.1, 5.0, and follow-on Baseline engineering efforts supporting successful integration into the overall Missile Defense Agency (MDA) Ballistic Missile Defense System (BMDS). As the MDA/AB Combat System Engineering Agent, Lockheed Martin will coordinate development and integration efforts with the BMDS elements, and the leads from MDA/DE and MDA/BC.

Under this TI, Lockheed Martin will continue to lead and coordinate Aegis BMD efforts in MDA inter-element engineering forums (TIMs, WGs...). The efforts include coordination within the Aegis BMD programs and across BMDS elements to ensure successful integration and development of an effective BMDS.

B. Program Schedule

- The period of performance for this TI is 07 Oct 2009 through 31 May 2011.

C. Material Requirements

- None, as of initial issuance of this Technical Instruction.

D. Information Requirements

The Government will provide target and weapon information supporting experimental performance prediction including:

- Nominal and off-nominal trajectories (6DOF)
- RCS (aspect angle dependant S-Band)
 - Chamber measurement desired/XPATCH acceptable
- Hazard Patterns
- Debris Models
- Additional scenario specific parameters

AEGIS BMD FY10 TECHNICAL INSTRUCTION
22-01 (LM 452) BMDS INT Revision 10

This information will be provided by the Aegis BMD Program Directorate or the Missile Defense Agency M&S threat/target organizations.

E. Contract Data Requirements

CDRL Delivery IAW CLIN 0022.

F. Scope of Work

Lockheed Martin will continue as the Aegis Combat System Engineering Agent (CSEA), the contractor will participate in the overall BMDS development efforts to integrate the AWS with the BMDS.

The contractor shall perform the following efforts
(Estimated Hrs: (b)(4))

- Provide coordination, support, and interface between Aegis BMD and other BMDS elements for Aegis BMD 3.6.1, 4.0.1, 5.0 and follow-on Baselines design development, integration and test efforts.
 - Lead and coordinate Aegis BMD efforts in Missile Defense Agency FCE engineering/test forum, and MDA System Track efforts. Develop and maintain frequent communications with industry and Government program management and technical counterparts supporting engineering/test efforts for these forums.
 - As Aegis BMD CSEA, identify areas for potential Aegis BMD and/or BMDS system level improvements and conduct analyses and tests as directed to define concept.
 - Provide coordination with M&S, T&E or operational events conducted at the BMDS-level with Aegis BMD participation. (Specific LM-conducted efforts associated with these events are covered either by this TI or through other TIs).
 - Attend and support SPAWAR IPRs and design reviews.
-
- Support FCE-C Planning and HWIL event: Support includes generation of detailed Test Plan, review of supporting documentation, test case scenario analysis, and reports. Pre-test data file generation (SIDFs) will be developed as requested by MDA/AB to support external element integration. Support test execution, including SSF integration runs, integration runs, dry runs, and runs for record and post-

AEGIS BMD FY10 TECHNICAL INSTRUCTION
22-01 (LM 452) BMDS INT Revision 10

event analysis, including JAT and DAG support. (NTE (b)(4) hrs). Expected efforts include:

- o Planning and Development Tasks
 - DTP (Detailed Test Plan) and TCDD (Test Case Description Doc) review
 - IDMP (Integrated Data Management Plan)
 - DRAFT and FINAL reviews
 - Pre-mission Truth Data support
 - Test Plan and Procedures Update/Review
 - Analysis Execution Plan (AEP) DRAFT and FINAL reviews
 - Data Handling Plan (DHP) Review
 - ETPR/ETR/EMR Support
 - Weekly Telcon/VTC Support
 - JAT Meeting Support
 - Sensor Mission planning using GFE input scenario files
- o Test Event Execution
 - Test Prep and Stand Alone Rehearsals
 - Estimated 15 days for Integration Testing, Dry Run Testing, and Runs for Record Testing
- o TRR (Test Readiness Review)
 - Briefing preparation and support
- o EQLB (Executive Quick Look) development, quick-look analysis, review and support
- o Test Analysis/Reporting
 - Data Reduction support
 - Data Analysis/JAT support
 - Final Report Development and Review
 - Mission Data Review (MDR) support
 - Executive Mission Data Review (EMDR) support
 - TIR Analysis and review support
 - Prepare Lessons Learned
- Support FTT-10a SPFR Planning and HWIL event: Support includes generation of detailed Test Plan, review of supporting documentation, test case scenario analysis, and reports. Support test execution, integration runs, dry runs, and runs for record and post-event analysis, including JAT and DAG support. (NTE (b)(4) hrs) Expected efforts include:
 - o Project Management
 - Review of DTP (Detailed Test Plan), TCDD (Test Case Description Doc, IDMP (Integrated Data Management Plan) DRAFT and FINAL, Test Procedure, DESV Analysis Plan, Data Handling Plan (DHP)

AEGIS BMD FY10 TECHNICAL INSTRUCTION
22-01 (LM 452) BMDS INT Revision 10

- Executive Review (EMR) Support
- Weekly Telcon/VTC Support
- Analysis Meeting Support
- Sensor Mission planning using GFE input scenario files
- Test Execution
 - Estimated 10 days for Integration Testing, Dry Run Testing, and Runs for Record Testing
 - TRR (Test Readiness Review) briefing preparation and support
 - EQLB development, quick-look analysis, review and support
- Test Analysis/Reporting
 - Data Reduction support
 - Data Analysis
 - Final Report Development and Review
 - Mission Data Review (MDR) support
 - Executive Mission Data Review (EMDR) support
 - TIR Analysis and review support
- Support GTX-04a Single Simulation Framework (SSF) Integration Testing: Support includes review SSF documentation, execution of SSF integration testing and verification of the framework. (NTE (b)(4) hours)
 - Plan GTX-04e SSF
 - Program Management
 - SSF TRR
 - Weekly Telecon support
 - Test Execution
 - 1-on-1 Testing for BM2
 - 1-on-1 Testing for BM3
 - SSF#1 BM4a
 - SSF#2 BM4b
 - Development Work
 - Network Administration
 - System Administration required for SSF HW/SW installation

Support GTX-04a Ground Test: Support includes generation of detailed TestPlan, review of supporting documentation, and test case scenario review.

(NTE (b)(4) Hours)

- Plan GTX-04a Event
 - Sensor Mission planning using GFE input scenario files

AEGIS BMD FY10 TECHNICAL INSTRUCTION
22-01 (LM 452) BMDS INT Revision 10

- Support FTX-16 mission planning and pre-mission analysis, Mission Execution, Post Mission Analysis and Waterfront Integration Testing. (Estimated Hours: (b)(4))
 - o Project management includes, but not limited to, support of planning meetings such as TEWGs, SEPTETs, etc.
 - o Support analysis working groups and TIMs
 - o Conduct Hardware in the Loop (HWIL) testing, at CPTS, SPAWAR or other facility, to support pre-mission analysis, as directed by MDA/ AB
 - o Provide input and review test plans and procedures
 - o Perform analysis and present results at various pre-mission meeting, such as Scenario Cert, Pre-MCP and MCP reviews.
 - o Update ACSIS builds at SPAWAR as required to complete the FTX-16 mission
 - o Post Mission Analysis deliverable to be Powerpoint Presentation, not Final ReportSupport the preparation and execution of the FTX-16 Risk Reduction events planned for JFTM-4 Events 1, 2 and 3.
 - o E1, E2 would be limited to collection of data at SPAWAR
 - o E3 would require full Pre-mission predictions and testing required to conduct the mission on a DDG
- Provide the engineering services required to develop the software and procure the hardware necessary for two BMD 4.0.1 Dockside Simulators (DSS). This effort includes but not limited to the following. (Estimated Hours for this task: (b)(4))
 - o Task 1: Migrate ACSIS/Oasis functionality
 - o Task 2: Develop functionality for BSP tactical hardware including SPY/BSP B2 Spec updates and ORTS modifications
 - o Task 3: Implement other improvements for VLS, data recording, discrimination/tracking simulation, intercept debris and kill evaluation.

G. Program Management and Administration

Provide for the overall management, planning, scheduling and execution of all efforts described in this TI. The contractor shall perform resource estimates as required.

H. Amplifying Information

This effort does not include the cost of operation for the NSCC or CSED site for the entire period of this effort. It is assumed that this support is or will be furnished under separate contract.

AEGIS BMD FY10 TECHNICAL INSTRUCTION
22-01 (LM 452) BMDS INT Revision 10

II. Budget Ceiling

The following constraints are imposed upon the Contractor. The estimated dollar amount for the cost of this projected effort is (b)(4). This effort will be completed by 31 May 2011. The total estimated man-hours to be provided (including subcontractors) is (b)(4). The phasing of costs and potential award fee by fiscal year is:

CLIN	<u>FY10</u>	<u>FY11</u>	<u>TOTAL</u>
(b)(4)			

*Potential Award Fee

AEGIS BMD FY10 TECHNICAL INSTRUCTION
22-01 (LM 452) BMDS INT Revision 10

Incremental Contract Funding Information

Task Manager: (b)(6)

Lockheed Martin Manager: (b)(6)

Contract P000/CLIN	Date Funded	FY\$	Appn	Cost \$ Amount	Fee \$* Amount	Total \$ Amount	ACRN	Funding Source
(b)(4)								
Total				(b)(4)				

*Potential Award Fee

AEGIS BMD FY10 TECHNICAL INSTRUCTION
22-01 (LM 452) BMDS INT Revision 10

Distribution:

MDA/AB D (b)(6)
MDA/AB B3
MDA/AB B31 (b)(6)
MDA/AB B4
MDA/AB B5
MDA DACG (
MDA/DOV (b)(6)
DCMA (b)(6)
TechRep (b)(6)



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SER:AB-D/EATI1171

31 January 2011

AEGIS BMD FY10 TECHNICAL INSTRUCTION NO. 22-02 (LM 466) BMDS Flight Tests REVISION 15

From: Program Executive, Aegis Ballistic Missile Defense Programs

To: Lockheed Martin
Mission Systems & Sensors (MS2)
Attn: (b)(6)
199 Borton Landing Road
P.O. Box 1027
Mail Stop 127-307
Moorestown, NJ 08057-0927

Via: DCMA Naval Sea Systems Operations
Attn: Administrative Contracting Officer
Mail Stop 127-133
199 Borton Landing Road
Moorestown, NJ 08057

Subj: Aegis BMD Support to Ballistic Missile Defense System
BMDS Flight Tests (CLIN-0022)

1. In the issuance of this instruction, it is the understanding of the Aegis BMD Program Manager that implementation of these requirements is within the scope of Contract HQ0276-10-C-0001. In the event Lockheed Martin Mission Systems & Sensors (MS2) feels implementation of this technical instruction exceeds the scope of the contract, Lockheed Martin MS2 will notify the Contracting Officer's Representative, (b)(6) MDA/AB D114 and the Contracting Officer in writing within two weeks after receipt and will take no action pursuant to this instruction.

This technical instruction revision is issued to adjust tasks NTE dollars and hours, decrease budget ceiling by (b)(4) to add tasking for GTI-04d; and to make administrative changes. Aegis BMD Technical instruction 22-02 (LM466) BMDS Flight Tests Revision 14 is hereby superseded.

**Aegis BMD Support to Ballistic Missile Defense System (BMDS)
Flight Tests**

TECHNICAL INSTRUCTION NO. 22-02

CONTRACT HQ0276-10-C-0001

Approved:

Approved:

Approved:

(b)(6)



I. PROGRAM IMPLEMENTATION

INTRODUCTION

A. OVERVIEW

This Technical Instruction (TI) provides for the Lockheed Martin efforts required for the Aegis BMD element participation in BMDS System Level Flight Tests, BMDS Distributed Ground Tests, BMDS Integrated Ground Tests and BMDS Focused Ground Tests

Under this TI, Lockheed Martin shall coordinate within the Aegis BMD programs and across BMDS elements to ensure successful integration for BMDS System Level Flight Tests: Glory Trip 200, FTT-14, FTG-06a and FTG-08; and BMDS Distributed Ground Tests: FAST CAAT East-C (FCE-C) Distributed, GTD-04b; BMDS Focused Ground Test GTX-04a and GTX-04e; BMDS Integrated Ground Tests GTI-04b and GTI-04d; BMDS Integrated Exercise AR-04d. Follow on revisions will be created to provide requirements for the remaining BMDS System Level Flight Tests, BMDS Distributed Ground Tests, BMDS Integrated Ground Tests and BMDS Focused Ground Tests.

B. Program Schedule

The period of performance of this TI for the Aegis BMD System Tests Support to BMDS is 01 October 2009 through 31 March 2011.

The following key events will be conducted during this period of performance (dates are best estimates as of 26 January 2011:

GT-200 ETR	Oct 14	2009
GT-200 Link Ex and B/U	Nov 06-09	2009
GT-200 CDT#1	Nov 10	2009
GT-200 CDT#2	Nov 12	2009
FCE-C Distributed IT	29 Nov-03	Dec 2009
FCE-C Distributed Dry Runs	05-10	Dec 2009
FCE-C Distributed RFRs	12-17	Dec 2009
FCE-C Distributed Post Mission Analysis	17 Dec - August	2010

AEGIS BMD FY10 TECHNICAL INSTRUCTION
 22-02 (LM 466) BMDS Flight Tests REVISION 15

GTX-04a Integration Testing	22-23 Feb 2010
GTX-04a Dry Runs	24-26 Feb 2010
GTX-04a Runs for Record	01-05 Mar 2010
GTX-04a Post Mission Analysis	05 Mar - Sept 2010

FTT-14 ETPR	Apr 2010
FTT-14 ETR	May 2010
FTT-14 LINKEX	May 2010
FTT-14 GTU PCT	May 2010
FTT-14 TRR	Jun 2010
FTT-14 EMR	Jun 2010
FTT-14 LINKEX	Jun 2010
FTT-14 Dry Run	Jun 2010
FTT-14 Dress Rehearsal	Jun 2010
FTT-14 FRR	Jun 2010
FTT-14 Mission and B/U	Jun 2010
FTT-14 Post Mission Analysis	Jun - Sep 2010

GTI-04b SSF EBM 3	Mar 2010
GTI-04b SSF EBM 3	Mar - Apr 2010
GTI-04b SSF EBM 4a	Apr 2010
GTI-04b SSF EBM 4b	May 2010
GTI-04b SSF EBM 5	Jun 2010
GTI-04b System Integration	Jun - Jul 2010
GTI-04b Dry Run	Jul 2010
GTI-04b Runs for Record#1	Aug 2010
GTI-04b Warfighter RFR	Aug 2010
GTI-04b RFR#2	Aug 2010
GTI-04b Post Mission Analysis	Aug - Dec 2010

GTD-04b SSF EBM 3	Oct - Dec 2010
GTD-04b SSF EBM 4	Jan 2011
GTD-04b IT	Jan - Feb 2011
GTD-04b DR	Feb 2011
GTD-04b RFR	Feb - Mar 2011
GTD-04b Post Mission Analysis	Feb - Mar 2011

FTG-06a ETPR	Jul - Aug 2010
FTG-06a ETR	Aug - Oct 2010
FTG-06a TRR	Nov - Dec 2010
FTG-06a EMR	Nov - Dec 2010
FTG-06a LINKEX	Nov - Dec 2010
FTG-06a Dry Run	Nov - Dec 2010
FTG-06a Dress Rehearsal	Nov - Dec 2010
FTG-06a FRR	Nov - Dec 2010
FTG-06a Mission and B/U	Nov - Dec 2010
FTG-06a Post Mission Analysis	Nov - Jan 2011

AEGIS BMD FY10 TECHNICAL INSTRUCTION
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GTI-04d SSF EBM 3	Jan-Feb 2011
GTI-04d SSF EBM 4	Feb-Apr 2011
GTI-04d SSF EBM 5	Mar-Apr 2011
GTI-04d IT	Apr 2011
GTI-04d DR	May 2011
GTI-04d RFR	May 2011
GTI-04d WF RFR	May 2011
AR-04d End to End Testing	Mar 2011
AR-04d RFR	Mar 2011

C. Material Requirements

Material will be purchased as directed as part of this effort.

D. Information Requirements

The government will provide target and weapon information supporting experimental performance prediction including:

- Nominal and off-nominal trajectories (6DOF)
- RCS (aspect angle dependant S-Band)
 - o Chamber measurement desired/XPATCH acceptable
- Hazard Patterns
- Debris Models
- Additional scenario specific parameters

Data is to be provided 30 days prior to Mission execution.

This information will be provided by MDA/DTO to MDA/AB for distribution to LM.

Work in process copies of specific documentation should be submitted as requested and as informational transmittals to support events.

E. CONTRACT DATA REQUIREMENTS

In accordance with contract.

F. SCOPE OF WORK

The contractor shall provide technical engineering support to support Aegis BMD participation in BMDS System Level Flight

Tests and BMDS Distributed Ground Tests, which includes target data performance analysis, Combat System preparation, Waterfront Integration and Test (WIT), event execution and post event analysis.

The specific tasks included in this effort are:

1. Sites Integration and Support (Oct 09-Dec 10) (NTE (b)(4) hours))
 - Provide coordination, support, and interface with SPAWAR Systems Center, Pacific (SSC PAC) to support Aegis BMD 4.0.1 baseline system integration and hardware upgrades into the SSC PAC BMDS Test Bed San Diego (BTS)/Combined Test Bed (CTB) in support of Aegis BMD Point Loma HWIL Site and C4I Command Center. Provide limited ability for local site usage of ACSIS for pre-tests and VV&A efforts.
 - BMD 4.0.1 CP Builds to be delivered and installed by NSWCCD
 - Lockheed Martin ACSIS builds to be provided, delivered, and installed by Lockheed Martin Moorestown when new loads builds are complete and as directed by MDA/AB
 - o Each New ACSIS Builds will require the following:
 1. (b)(4) effort
 2. (b)(4) Hrs of Prep/Quality review
 3. Three days install and test by two (2) Lockheed Martin representatives
2. Dockside (3.6.1) Simulator Upgrade (Dec 09-Sep 10) (NTE (b)(4) hours))
 - Provide upgraded capability to the 3.6.1 Dockside Simulator including increased SM-3 fidelity, sea state variability, and addition of Kinetic Impact Debris Distribution.
3. Provide engineering support for BMDS Distributed Ground Test, FCE-C Distributed. (NTE (b)(4) hours))
 - Mission Preparation and Analysis (Oct 09-Nov 09)
 - o Generation of test requirements and objectives based on overall event objectives
 - o Event planning
 - o Generation of high fidelity target data

- o Review of mission test plans, sensor test plans, test objectives, requirements documents, shipboard procedures, mission timeline and DMAP
 - o Preparation of presentations for and support of TEWGs, IWGs, Aux Sensor Meetings, Scenario Certs, MCPs, MRR, ETPR and MRRs as required
 - o Update RSG and MEDUSA support as required
 - Mission Modifications and Test (Sep 09-Nov 09)
 - o Identify Computer program, equipment, and firmware design modifications as required.
 - o Provide shipboard test event procedures
 - Waterfront Integration and Test (WIT) (Oct 09-Nov 09)
 - o On-site element and system testing
 - o Support of ship's force briefings and crew training
 - Mission Event Execution (Nov 09-Dec 09)
 - o Support for test event
 - Post-Event Analysis (Dec 09-Aug 10)
 - o Support for and preparation of presentations for quicklook reviews, data analysis working groups, and Mission Data Reviews as required
 - o Archival and dissemination of test event data
4. Provide engineering support for BMDS Focused Ground Test, GTX-04a. (NTE (b)(4) hours))
- Mission Modifications and Test (Feb 10- Mar 10)
 - o Identify Computer program, equipment, and firmware design modifications as required.
 - o Provide test event procedures
 - Lab Integration and Test (Feb 10 - Mar 10)
 - o On-site element and system testing
 - Mission Event Execution (Mar 10)
 - o Support for test event
 - Post-Event Analysis (Mar 10 - Sep 10)
 - o Support for and preparation of presentations for quicklook reviews, data analysis working groups, and Mission Data Reviews as required
 - o No final report is required for GTX-04a
 - o Archival and dissemination of test event data
5. Provide engineering support for BMDS Integrated Ground Test, GTI-04b. (NTE (b)(4) hours))
- Single Simulation Framework (SSF) Integration Testing (Mar 10 - Jun 10)

- o Review SSF Documentation
 - o Execution of SSF integration testing and verification of the framework
6. Provide engineering support for BMDS Integrated Ground Test, GTI-04b. Support includes generation of detailed Test Plan, Review of supporting documentation and Test case scenario review. (NTE (b)(4) hours))
- Plan GTI-04b event (Jun 10 - Jul 10)
 - o Sensor Mission planning using GFE input scenario files
 - Lab Integration and Test (Jun 10 - Jul 10)
 - o On-site element and system testing
 - Pre-Test Analysis (Jun 10 - Jul 10)
 - Mission Event Execution (Jul 10 - Aug 10)
 - o Test Readiness Review briefing preparation and support
 - o Support for test event
 - Post-Event Analysis (Aug 10 - Dec 10)
 - o Support for and preparation of presentations for quicklook reviews, data analysis working groups, and Mission Data Reviews as required
 - o Archival and dissemination of test event data
7. Support BMDS System Level Flight Tests, GT-200. (NTE (b)(4) hours))
- Mission Preparation and Analysis (Oct 09-Nov 09)
 - o Generation of test requirements and objectives based on overall event objectives
 - o Event planning
 - o Generation of high fidelity target data
 - o Review of mission test plans, sensor test plans, test objectives, requirements documents, shipboard procedures, mission timeline and DMAP
 - o Preparation of presentations for and support of TWEGs, IWGs, Aux Sensor Meetings, Scenario Certs, MCPs, MRR, ETPR and MRRs as required
 - o Update RSG and MEDUSA support as required
 - Mission Modifications and Test (Oct 09 - Nov 09)
 - o Identify Computer program, equipment, and firmware design modifications as required.
 - o Provide shipboard test event procedures
 - Waterfront Integration and Test (Oct 09 - Nov 09)
 - o On-site element and system testing

- o Support of ship's force briefings and crew training
8. Support BMDS System Level Flight Tests, FTT-14.
(NTE (b)(4) hours))
- Mission Preparation and Analysis (Feb 10 - Jun 10)
 - o Generation of test requirements and objectives based on overall event objectives
 - o Event planning
 - o Generation of high fidelity target data
 - o Review of mission test plans, sensor test plans, test objectives, requirements documents, shipboard procedures, mission timeline and DMAP
 - o Preparation of presentations for and support of TWEGs, IWGs, Aux Sensor Meetings, Scenario Certs, MCPs, MRR, ETPR and MRRs as required
 - o Update RSG and MEDUSA support as required
 - o Lab to lab pre-mission tests with THAAD lab.
 - o Develop pre-mission ACTS scenarios for use in pre-mission events (dress rehearsals, link exercises)
 - Mission Modifications and Test (Feb 10 - Jun 10)
 - o Identify Computer program, equipment, and firmware design modifications as required.
 - o Provide shipboard test event procedures
 - Waterfront Integration and Test (May 10 - Jun 10)
 - o On-site element and system testing
 - o Support of ship's force briefings and crew training
 - Mission Event Execution (Jun 10)
 - o Support for test event
 - Post-Event Analysis (Jun 10 - Sep 10)
 - o Support for and preparation of presentations for quicklook reviews, data analysis working groups, and Mission Data Reviews as required
 - o Archival and dissemination of test event data
9. Provide engineering support for BMDS Distributed Ground Test, GTD-04b. (NTE (b)(4) hours))
- Single Simulation Framework (SSF) Integration Testing (Oct 10 - Jan 11)
 - o Review SSF Documentation
 - o Execution of SSF integration testing and verification of the framework
10. Provide engineering support for BMDS Distributed Ground Test, GTD-04b. (NTE (b)(4) hours))

- Mission Preparation and Analysis (Jul 10- Feb 11)
 - Generation of test requirements and objectives based on overall event objectives
 - Event planning
 - Sensor Mission planning using GFE input scenario files
 - Generation of high fidelity target data
 - Review of mission test plans, sensor test plans, test objectives, requirements documents, shipboard procedures, mission timeline and DMAP
 - Update RSG and MEDUSA support as required
 - Perform predictive analysis for LoR scenarios using CXSIM/BCM inputs to MEDUSA.
- Mission Modifications and Test (Jul 10 - Feb 11)
 - Identify Computer program, equipment, and firmware design modifications as required.
 - Provide shipboard test event procedures
- Mission Event Execution (Jan 11-Feb 11)
 - Support Dry Runs and RFRs at SPAWAR San Diego with three engineers to support testing (one per lab), document observations and TORS, provide feedback to LM analysts tasked to perform post mission analysis.
- Post-Event Analysis (Feb 11-Mar 11)
 - Support for and preparation of presentations for quicklook reviews, data analysis working groups, and Mission Data Reviews as required
 - AWS/CDLMS data, as well as observer notes, will be provided to Lockheed Martin Moorestown following each day of testing to support timely Quicklook reviews and JAT meetings.
 - Archival and dissemination of test event data

11. Support BMDS System Level Flight Tests, FTG-06a.

(NTE (b)(4) hours))

- Mission Preparation and Analysis (July 10 - Dec 10)
 - Generation of test requirements and objectives based on overall event objectives
 - Event planning
 - Generation of high fidelity target data
 - Review of mission test plans, sensor test plans, test objectives, requirements documents, shipboard procedures, mission timeline and DMAP

- o Preparation of presentations for and support of TWEGs, IWGs, Aux Sensor Meetings, Scenario Certs, MCPs, MRR, ETPR and MRRs as required
 - o Update RSG and MEDUSA support as required
 - o Develop pre-mission ACTS scenarios for use in pre-mission events (dress rehearsals, link exercises)
 - Mission Modifications and Test (Aug 10 - Dec 10)
 - o Identify Computer program, equipment, and firmware design modifications as required.
 - o Provide shipboard test event procedures
 - Waterfront Integration and Test (Nov 10 - Dec 10)
 - o On-site element and system testing
 - o Support of ship's force briefings and crew training
 - Mission Event Execution (Dec 10)
 - o Support for test event
 - Post-Event Analysis (Dec 10 - Mar 11)
 - o Support for and preparation of presentations for quicklook reviews, data analysis working groups, and Mission Data Reviews as required
 - o Archival and dissemination of test event data
12. Provide engineering support for BMDS Integrated Ground Test, GTI-04d. Support includes generation of detailed Test Plan, Review of supporting documentation and Test case scenario review. (NTE (b)(4) hours))
- Plan GTI-04d event (Aug 10 - Jan 11)
 - o Sensor Mission planning using GFE input scenario files
13. Provide engineering support for BMDS Integrated Ground Test, GTI-04d SSF. (NTE (b)(4) hours))
- Mission Event Execution (Jan 11 - Apr 11)
 - o Test Readiness Review briefing preparation and support
 - o Support for SSF test event
14. Purchase and installation of Fixed Site UHF SATCOM Antenna System (Sep 10 - Dec 10) (NTE (b)(4) hours))
- Purchase of Trivec Avant SATCOM Antenna #AV 2020
 - Installation and calibration of SATCOM antenna to conduct BMDS Distributed Ground Tests.

15. Support BMDS System Level Flight Tests, FTG-08. (Sep 10 - Mar 11) (NTE (b)(4) hours))
 - Mission Preparation and Analysis (Aug 10 - Dec 10)
 - Generation of test requirements and objectives based on overall event objectives
 - Event planning
16. Provide engineering support for BMDS Focused Ground Test, GTX-04e. (NTE (b)(4) hours))
 - Mission Preparation and Analysis (Nov 10- Mar 11)
 - Generation of test requirements and objectives based on overall event objectives
 - Event planning
 - Sensor Mission planning using GFE input scenario files
 - Generation of high fidelity target data
 - Review of detailed test plan, Test Case Description Document, sensor test plans, test objectives, requirements documents, shipboard procedures, mission timeline and DMAP.
17. Provide engineering support for exercise, Assured Response-04d. (NTE (b)(4) hours))
 - Mission Preparation and Analysis (Jan 11 - Mar 11)
 - Generation of test requirements and objectives based on overall event objectives
 - Event planning
 - Shipping of Dockside Simulator equipment to exercise location
 - Waterfront Integration and Test (Mar 11)
 - On-site element and system testing
 - Support of ship's force briefings and crew training
 - Mission Event Execution (Mar 11)
 - Support for test event

G. Program Management and Administration

Provide for the overall management, planning, scheduling and execution of all efforts described in this TI. The contractor shall perform resource estimates as required (01 Oct 09 - 31 Mar 11) (NTE (b)(4) hours))

H. Amplifying Information

This effort does not include the cost of operation for the NSCC or CSED site for the entire period of this effort. It is assumed that this support is or will be furnished under separate contract.

II. Budget Ceiling

The following constraints are imposed upon the Contractor. The estimated dollar amount for the cost of this projected effort is (b)(4). This effort will be completed by 31 March 2011. The total man-hours to be provided (including subcontractors) is (b)(4) man-hours using a burdened wrap rate of (b)(4) the phasing of costs and potential award fee by fiscal year is:

CLIN	FY10	FY11	TOTAL
(b)(4)			

*Potential Award Fee

Incremental Contract Funding Information

Task Manager: (b)(6)

Lockheed Martin Manager: (b)(6)

(b)(4)



*Potential Award Fee

AEGIS BMD FY10 TECHNICAL INSTRUCTION
22-02 (LM 466) BMDS Flight Tests REVISION 15

Distribution:

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MDA/AB B31 (b)(6)

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MDA DACG (

MDA/DOV (b)(6)

DCMA (b)(6)

TechRep (b)(6)



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SER:AB-D/EATI1173
01 February 2011

AEGIS BMD FY10 TECHNICAL INSTRUCTION NO. 23-01 (LM 449) MS&T REVISION
14

From: Program Executive, Aegis Ballistic Missile Defense Programs

To: Lockheed Martin
Mission Systems & Sensors (MS2)
Attn: (b)(6)
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P.O. Box 1027
Mail Stop 127-307
Moorestown, NJ 08057-0927

Via: DCMA Naval Sea Systems Operations
Attn: Administrative Contracting Officer
Mail Stop 127-133
199 Borton Landing Road
Moorestown, NJ 08057

Subj: Aegis BMD Modeling, Simulation, & Test (MS&T) (CLIN-0023)

1. In the issuance of this instruction, it is the understanding of the Aegis BMD Program Manager that implementation of these requirements is within the scope of Contract HQ0276-10-C-0001. In the event Lockheed Martin Mission Systems & Sensors (MS2) feels implementation of this technical instruction exceeds the scope of the contract, Lockheed Martin MS2 will notify the Contracting Officer's Representative, (b)(6) MDA/AB D114 and the Contracting Officer in writing within two weeks after receipt and will take no action pursuant to this instruction.
2. This technical instruction revision is issued to pick-up funding from P00041 by (b)(4) from (b)(4) to (b)(4) and for administrative changes. Aegis BMD Technical Instruction 23-01 (LM 449) Revision 13 is hereby superseded.

AEGIS BMD FY10 TECHNICAL INSTRUCTION
23-01 (LM 449) MS&T REVISION 14

TECHNICAL INSTRUCTION NO.23-01

CONTRACT HQ0276-10-C-0001

Approved:

(b)(6)



AEGIS BMD FY10 TECHNICAL INSTRUCTION
23-01 (LM 449) MS&T REVISION 14

I. Program Implementation

Introduction

A. Overview

The purpose of Modeling, Simulation & Test (MS&T) program is to support a cost effective and efficient modeling and simulation capability covering all Aegis BMD development baselines. Aegis baseline specific M&S development is covered under separate Technical Instructions. This effort specifically focuses on risk reducing system engineering testing solutions, adapting existing testing methods where practical, and administering a roadmap for simulation evolution as part of the MDA M&S Strategic Plan that specifically addresses the unique testing aspects of Aegis BMD. The MS&T program provides the oversight and management of baseline M&S development to provide commonality and consistency of model improvements and upgrades needed to support Aegis BMD program development.

The Aegis BMD missions and focus areas include LRS&T, Engagement, and BMDS interoperability. From an MS&T perspective, each of these three areas requires simulation system design, development and integration; verification and validation. Networking and conducting distributed tests between remote facilities is the core of MS&T capabilities being provided to the baseline programs, High Level Architecture (HLA) extensions and specialized test equipment have been incorporated into the simulation architecture for delivering the Aegis BMD computer program.

B. Program Schedule

The period of performance of this TI is 1 October 2009 through 30 September 2011.

AEGIS BMD FY10 TECHNICAL INSTRUCTION
23-01 (LM 449) MS&T REVISION 14

C. Material Requirements

Items required in support of this effort include: Contractor Purchased Material (CPM) and Government Furnished Equipment (GFE). It will be necessary to purchase material as part of this effort.

The following CPM items may be required in support of this effort:

1. Telecommunication and network equipment supporting MS2 simulation architecture
2. Materials for development and upgrade of MS&T components
3. Special test equipment for development and upgrade of MS&T components
4. Standalone workstations supporting Aegis BMD operations
5. Standalone software/licenses supporting Aegis BMD operations

The following GFE items may be required in support of this effort:

1. Encryption hardware / equipment supporting transmission of classified data using telecommunication network
2. Encryption KEYMAT material supporting transmission of classified data using telecommunication network
3. Site computer program and test equipment
4. Telecommunications network Monthly Recurring Costs (MRC) for operations support and circuit access, and Non-Recurring Costs (NRC) for engineering services in support of distributed simulations
5. Site specific equipment, tactical elements, and hardware required to support AWS CIL and RSG integration and operation
6. Site specific equipment, tactical elements, and hardware required to support integration and distributed simulation operation with remote facilities
7. MDA supplied site specific equipment installed at LM MS2
8. Initial DSA software will be available to support PA event developmental testing at start of PoP
9. Final version of DSA software available to support PA events 5 months prior to final RRT event

It may be necessary to procure Special Test Equipment to accomplish this effort. Each item will be identified to the government prior to purchase for determination of category (e.g., Special Test Equipment, Agency Peculiar

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Equipment) and to obtain any approvals required by Federal Acquisition Regulations (FAR).

D. Information Requirements

The government will provide target and weapon information supporting experimental performance prediction including:

- Nominal and off-nominal trajectories (6DOF)
- RCS (aspect angle dependant S-Band)
 - o Chamber measurement desired/XPATCH acceptable
- Debris Models
- Additional scenario specific parameters
- Performance Assessment scenarios as defined by Test Case Description Document (TCDD) 60 days prior to PlanEx
- Performance Assessment scenario data (trajectory/signature) will be available 5 months prior to start of first test event
- Updated Ballistic Missile (BM) threat database from Engineering Capability Specification (ECS).
-

This information will be provided by MDA/AB, other Government Organizations, or Contractors in support of MDA/AB.

Work in process copies of specific documentation should be submitted as requested and as informational transmittals to support events.

E. Contract Data Requirements

As specified in the contract, except as noted below.

A052 M&S V&V Plans - not required.

F. Scope of Work

Lockheed Martin shall serve as the Aegis BMD Combat System Engineering Agent (CSEA) for Modeling, Simulation and Test. The following sections provide detailed tasking to be performed under this Technical Instruction.

1. System Engineering Integration and Test: The SEIT team will provide the IPT lead oversight and management of the baseline M&S development for commonality and consistency of model improvements and upgrades needed to support

AEGIS BMD FY10 TECHNICAL INSTRUCTION
23-01 (LM 449) MS&T REVISION 14

program development. This includes administering a roadmap for simulation evolution as part of the MDA M&S Strategic Plan that specifically addresses the unique testing aspects of Aegis BMD. This team will be responsible for the technical and financial oversight of all requirement generation, software development, and integration and testing efforts with regards to the simulations. This oversight ensures the conversion of product requirements into total systems solutions that acknowledge technical, schedule, and cost constraints. Additional efforts include: **(NTE (b)(4) Hours for the FY10 period of performance - Complete) Not funded for the period of performance 1 October 2010 to 30 September 2011**

- a. DT/OT support not funded in this TI.
- b. CEC support not funded in this TI.
- c. Internal V&V plans IAW with CDRL A052 not funded in this TI.

2. Performance Assessment 2009 (PA-09) Extended Effort
October 2009- April 2010

Execute PA-09 in support of Aegis BMD. This effort includes labor, travel, and transportation of equipment, for event execution. This effort is a continuation of the previous PA-09 support. Model development is complete, no Specification Changes (SC's), or Change Requests (CR's) are planned. Support for standard work week, with use of automated script for simulation runs during non-standard hours. Local support is defined as Moorestown and onsite as Colorado Springs. No procurement of hardware/software is planned for this event. Support PA-09 event efforts/activities as well as post event activities as defined below: **(NTE (b)(4) Hours for the FY10 period of performance - Complete)**

- a. Completion of Integration and Test efforts
 - 1) Provide an estimated 16 days of onsite and local support for completion of scenario analysis, IPT management, code fixes and limited reach back for SME support
- b. Final Qualifying Test with CVTC attendance and data analysis support to CAAF for report/presentation generation
 - 1) Provide an estimated 20 days of onsite and local support for test execution, analysis, IPT management, limited reach back for SME support

AEGIS BMD FY10 TECHNICAL INSTRUCTION
23-01 (LM 449) MS&T REVISION 14

- c. Runs for Record with CVTC attendance and data analysis support to CAAF for report/presentation generation
 - 1) Provide an estimated 25 days of onsite and local support for test execution, analysis, IPT management, limited reach back for SME support
- d. Local post-event analysis support for an estimated 55 days including the generation of the Aegis BMD Test Report with correction/updates after submittal being worked as directed. Provide responses to MDR Analysis questions.
- e. Provide code fixes for MEDUSA 3.6.1 to address anomalous SSTRESS tracking behavior identified during analysis of PA09 integration testing as well as NTWSims issues found in multiple scenarios.

3. Integrated CD04/Epoch 1 - October 2009 - 30 November 2010

- a. Provide level of effort support shared across all CD04/Epoch 1 events; two full time analyst/developer onsite at MDIOC, as well as reachback support in Moorestown supporting early PIR Verification, DSIRS, Regression Testing, FTM-15, FQT, VV&A, and RRT#1 as part of TA04 through the end of the period of performance. Local support is defined as Moorestown and on-site as Colorado Springs. Support is for a standard work week, with use of automated script for simulation runs during non-standard hours. **(NTE (b)(4) hours for the period of performance - Complete)**
 - 1) All efforts include labor, travel, and transportation of equipment for event execution and assume use of BMD MEDUSA 3.6.1 as is unless specified. No new model development, SCs, or CRs are planned.
- b. Level of Effort manpower to support Etaskers, TIM's, Working Groups, SRRs, Document Reviews, Truth Services planning (Includes planning for upgrades for Truth Services -Phenomenology, Lethality, Environment, Threat - Communications (PLET-C) and support Phased Adaptive Approach (PAA) Phase I, SME and IPT support will be leveraged across the events. **(NTE (b)(4) hours for the period of performance)**
- c. Technical Assessment 2010 (TA 10). Execute TA-10 in support of Aegis BMD. Support TA-10 event

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efforts/activities as defined below: **(NTE (b)(4) Hours for the period of performance)**

- 1) Development tasks include logging shot doctrine and scenario data into the database.
 - i. Troubleshoot and correct emergent data logging issues and Performance Assessment 2009 Issues Reports (PIRS) documented through Runs for Record including PIR 311 which is scheduled to be completed for Technical Assessment 04.
 - ii. Develop DCX interface to enable Aegis to log data through the DSA gateway.
 - iii. Provide support for a combined TA Planex to include Mission Planner support during the Planex as well as follow up support to refine plans as needed.
- d. Support repeatability root-cause investigation at the MDIOC - 15 February to 8 March 2010 with one full time analyst/developer. Transport and install the remaining hard drives in support of the event. Requires hard drives installed on all 6 ensembles.
- e. FTM-15 Pre-mission test and analysis Phase I. April - November 2010. Execute FTM-15 Pre-mission test and data management in support of Aegis BMD. LM will leverage TA04 support and lab configuration already in place to run the event as defined in section a. Support FTM-15 Pre-mission analysis efforts/activities as well as post event activities as defined below **(NTE (b)(4) hours for the period of performance)**
 - 1) Development tasks include scenario preprocessing for an estimated 12 trajectories in Moorestown days.
 - 2) Local post-event support for assistance with data management to provide internal MEDUSA data not available for logging to the common database. No CDRL A020 Test Report required.
 - 3) Post-event support includes formatting of the DSA MEDUSA internal data into a format compatible with FR4 sneaker-net data. Provide analysis support to compare DSA MEDUSA results to FR4 sneaker-net results.

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4. CD04 - Technical Assessment (TA) 04. 21 October 2010 - 30 September 2011 (NTE (b)(4) hours for the period of performance)

- a. Provide support for planning for Technical Assessment (TA) 04. Assumes use of 3.6.1 model as is; no upgrades. Tasking includes early Performance Assessment Incident Report (PIR)/Digital Simulation Incident Reports (DSIR) Verification, DSIRS, Regression Testing, Risk Reduction Testing (RRT), Integration and Test (I&T) Formal Qualification Testing (FQT), Verification, Validation and Accreditation (VV&A). Local support is defined as Moorestown and on-site as Colorado Springs. Support is for a standard work week, with use of automated script for simulation runs during non-standard hours. All efforts include labor, travel, and transportation of equipment for event execution and assume use of BMD MEDUSA 3.6.1 as is unless specified. No new model development, SCs, or CRS for 3.6.1 are planned.
 - 1) IPT Support - Full time technical oversight of Requirements/Development /Test leveraged across all events, includes travel.
 - 2) Level of Effort manpower to support Planning, Etaskers, TIM's, Working Groups, SRRs, Document Reviews, Truth Services planning (Includes planning for upgrades for Truth Services - Phenomenology, Lethality, Environment, Threat - Communications (PLET-C) and support Phased Adaptive Approach (PAA) Phase I, and SME will be leveraged across the events. Assumes 21 scenarios. Requirements/ Development /Test through period of performance. Support for Telecoms/CVTC's, working groups, CM, requirements review, design review, test readiness review. Pre-processing for 21 scenarios, construct MEDUSA configuration files(mdat, sstressin, lattice, PAR) execute local DSA MEDUSA runs, preliminary analysis. Analysis support to the Collaborative Analysis and Assessment Forum (CAAF) for analysis activities in support of PAA Phase I analysis and a Test Report.
- b. TA04 Risk reduction testing, I&T, FQT, V&V and RFR on-site. (b)(4) developer/analysts at MDIOC. Local risk reduction test support, IT QL and development, FQT analysis. This team is leveraged across events.

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(b)(4) local developer/analyst - FQT and RFR analysis; completion of scenario analysis, code fixes, scenario replan, element SME support (C&D/SSTRESS/WCS). This team is leveraged across events.

- 1) Provide level of effort support (b)(4) analyst/developer onsite at Missile Defense Integration and Operations Center (MDIOC)), as well as reachback support (b)(4) analyst/developer in Moorestown) shared across all CD04 for test execution.
 - 2) One analyst to support Collaborative Analysis and Assessment Forum (CAAF) system level analysis activities related to Phase Adaptive Approach (PAA) Phase 1 analysis.
 - 3) Delivery of a modified Test Report consisting of slides to report out findings, with emphasis on PAA Phase 1
 - 4) Configure 40 machines at Moorestown for delivery to the MDIOC for additional ensembles.
- c. FTM-15 Digital System Pre-mission Test (SPMT) Phase II. January 2011 - July 2011.
Execute FTM-15 Pre-mission test and data management in support of Aegis BMD. LM will leverage TA04 support and lab configuration already in place to run the event. Support FTM-15 SPMT analysis efforts/activities as well as post event activities as defined below
- 1) Development tasks include scenario preprocessing for an estimated 6 trajectories in Moorestown.
 - 2) Provide local post-event support to assistance the Joint Analysis Team (JAT) with data management to provide internal MEDUSA data not available for logging to the common database.
 - 3) Post-event support includes formatting of the DSA MEDUSA internal data into a format compatible with Formal Release (FR)5 sneaker-net data, e.g. PowerPoint. Provide analysis support to compare DSA MEDUSA results to FR5 sneaker-net results.
 - 4) No CDRL A020 Test Report required.

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5. DSA MEDUSA 4.0.1 Development. 21 October 2010 - 30 September 2011

Begin initial DSA MEDUSA 4.0.1 capability development.

(NTE (b)(4) hours for the period of performance)

Includes:

- a. Requirements and design - Development of informal (engineering level) 4.0.1 Requirements, Design, and Test plan documentation.
- b. Training of new team members (if required).
- c. Development - Building Medusa 4.0.1 VHF on current DSA Medusa system (Dell T7400), Porting of 3.6.1 Gateway and framework interface to 4.0.1 (initial capability only - excludes testing), Distributed Interface (input parameters, sea state, start time); Time Management, Launcher, SM-3 Blk IA, True kill determination, STJ and LOS, Threat Interface, Data Logging (DCX) Interface,
- d. Implement upgrades to support 4.0.1 capability - Modify Daemon to toggle baseline version (3.6.1 vs. 4.0.1), Upgrade to 6016C+ (e.g. confusion matrix, J 28.1.6), Upgrade to SM-3 Blk IB, Remove SM-2 Blk IV (NTSBT) dependencies, Upgrade to support VHF signal, Port Registration and Reproducibility Capability, Port CSV playback capability, Port Stewart method (COORS and LUT), Perform registration testing.
- e. Verification and Validation - Development of a V&V plan (draft and final), Verification of processing flow and frequency of TADIL messages.

Excluded from the above are remaining V&V tasks and any other delta/gap capabilities between 3.6.1 and 4.0.1 which need to be implemented and tested. Also excluded (as stated above) is execution of test plan for development effort.

6. MEDUSA

MEDUSA is a digital model is high fidelity system-level representation of the Aegis BMD Weapon System. This effort provides the development and system improvements to hardware, infrastructure, telecommunications networks, and modeling and simulation (M&S) tools that are common to all intended applications supporting Aegis BMD program development. Ensures M&S development schedules support SE process SRR, SDR, PDR, CDR, Ground Test, Flight Test, and Certification. Provide system-level threat modeling and simulation development and upgrades. This effort

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supports the following baselines and their milestones:
BMD 4.0.1 and BMD 5.0. Supports efforts defined below:

(NTE (b)(4) hours for the FY10 period of performance + (b)(4)
FY11 period of performance)

a. Verification and Validation

- 1) Create and maintain a System level V&V plan for BMD 4.0.1 and 5.0
 - i. V&V efforts will develop a plan to define the critical model functionalities and the associated acceptability criteria to be used to examine and validate MEDUSA adequacy for the intended applications.
 - ii. Along with maintenance of the plan, specific tasks include review of the model design, comparing outputs with reasonable expectations at every stage of development, conducting module testing, conducting regression testing, comparing outputs with highly specialized (physics-based) models, comparing outputs with other models of similar fidelity, and comparing results with available CSEDS or live-fire testing events.
 - iii. Documentation of the V&V effort will be kept and maintained throughout development and provided in the V&V at the M&S Review when requesting Accreditation. Documentations will consist of the following relevant data:
 - 1) History of the model
 - 2) Discussion of previous applications and VV&A
 - 3) Configuration Management techniques employed
 - 4) Explanation of V&V techniques employed, including deviations from this plan
 - iv. System Level BMD 4.0.1 V&V Plan FY11.
Incorporation of RSG/ACSIS V&V Plan into overall BMD 4.0.1 System level plan.
- b. Complete COTF DT/OT Runs for the Record in support of Aegis BMD 3.6.1. This includes executions of runs, data analysis, and delivery of results to MDA/AB for the following list of tasks: **Completed**
 - 1) Support Coordination meetings with MDA/AB and OTA
 - 2) Generate runs for Compliance Cases & Test Case

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- 3) Provide JHU/APL FirmTrack data for SM-2/3 6-Dof
 - 4) Conduct Internal Review
 - 5) Prepare and Deliver Data Package
- c. BEOWULF cluster: Perform benchmarking of current computing cluster and analytical estimation of future computing needs for multiple baselines using BMD MEDUSA. Identify COTS hardware components capable of meeting program needs and assess facility impact to Lockheed Martin Data Center Facilities. . DSA design, development and implementation is not funded in FY10
- Maintenance of BEOWULF cluster FY11: Provide network and hardware support for classified computing environment across baselines.

7. GTI-04b HWIL Verification & Validation

Perform element level Verification & Validation for GTI-04b using ACSIS HWIL. Develop a V&V plan using MDA-DESV and OTA objectives for GTI-04b event and provide a MIL STD 3022 format. Execute and analyze FTG-05 and FTT-10a SPFR runs. Compare these runs against GTI04b. Provide a final brief and report out to MDA/AB. **(NTE (b)(4) hours for the FY10 period of performance) Completed**

8. Support Fast Eagle HWIL event planning, analysis and reporting activities: Support includes review of supporting documentation, test case scenario analysis, and reports. Support test execution, including on site analysis support at Dahlgren and element TRR, dry runs, and runs for record and post-event analysis, including JAT, DAG, MDR and EMDR support. **(NTE (b)(4) hrs with PoP ending 31 January 2011)**. Expected efforts include:

a. Planning and Development Tasks

- 1) DTP (Detailed Test Plan) and TCDD (Test Case Description Doc) review
- 2) IDMP (Integrated Data Management Plan)
 - i. DRAFT and FINAL reviews
- 3) Pre-mission Truth Data support
- 4) Test Plan and Procedures Update/Review
- 5) Analysis Execution Plan (AEP) DRAFT and FINAL reviews
- 6) Data Handling Plan (DHP) Review
- 7) ETPR/ETR/EMR Support
- 8) Weekly Telcon/VTC Support
- 9) JAT Meeting Support

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- 10) Sensor Mission planning using GFE input scenario files
 - b. Test Event Execution
 - 1) Test Prep and Stand Alone Rehearsals
 - 2) Estimated 10 days for on site SME support at Dahlgren
 - c. TRR (Test Readiness Review)
 - 1) Briefing preparation and support
 - d. Test Analysis/Reporting
 - 1) Data Analysis/JAT support
 - 2) Final Report Development and Review
 - 3) TIR Analysis and review support
9. The delta between Revision 2 and Revision 3 hours reflects completed and /or de-scoped tasks as a result of MDA direction and reduction of hours on the TI. **Total spent to date hours as of 4 April 2010 are** (b)(4)

G. Program Management and Administration

As specified in the contract.

- 1. FY10: **NTE** (b)(4) **hours for the FY10 period of performance**
- 2. Core M&S: **NTE** (b)(4) **hours for the period of performance from 1 October 2010 to 30 September 2011**
- 3. TA04: **NTE** (b)(4) **hours for the period of performance October 2010 - 30 September 2011.** Project Management /Finance/Planner /Contracts/Business Services/CRDLs as specified in the contract; includes travel.

H. Security, Networking and Information Assurance

Provide security, systems administration, performance monitoring, and technical support for the classified and unclassified network infrastructure supporting Aegis BMD environments and activities. Tasks include network and system security, development and implementation of security plans, tools, and methods necessary to meet security requirements. Assist Aegis TECHREP with DACNet implementation and maintenance.

- 1. FY10: **NTE** (b)(4) **hours for the FY10 period of performance**
- 2. Core M&S: **NTE** (b)(4) **hours for period of performance from 1 October to 30 September 2011**
- 3. TA04: **NTE** (b)(4) **hours for the period of performance from October 10 - September 11.** IT support for

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systems, SSP review with DSS, hard drive audits;
includes travel

I. Amplifying Information

No additional required.

II. Budget Ceiling

The following constraints are imposed upon the Contractor. The estimated dollar amount for the cost of this projected effort is (b)(4). This effort will be completed by 30 September 2011. The total man-hours to be provided (including subcontractors) in FY10 is (b)(4) man-hours using FY10 Wrap rate of (b)(4) /hr, and in FY11 (b)(4) man-hours using a rate of (b)(4) /hr, the phasing of costs and potential award fee by fiscal year is:

CLIN	FY10	FY11	TOTAL
(b)(4)			

	*Award Fee for CLIN 0023		
CLIN	FY10	FY11	TOTAL
(b)(4)			

***Potential Award/Incentive Fee**

AEGIS BMD FY10 TECHNICAL INSTRUCTION
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Incremental Contract Funding Information

Task Manager: (b)(6)

Lockheed Martin Manager: (b)(6)

Contract	Date	FY\$	Appn	Cost \$ Amount	Fee \$* Amount	Total \$ Amount	ACRN	Funding Source
0000/CLIN 0023	Ended							

(b)(4)

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(b)(4)



*Potential
Award Fee

Distribution:

MDA/AB D	(b)(6)
MDA/AB B3	(b)(6)
MDA/AB B31	(b)(6)
MDA/AB B33	(b)(6)
MDA/AB B4	(b)(6)
MDA/AB B5	(b)(6)
MDA/DOV	(b)(6)
MDA DACG	(b)(6)
DCMA	(b)(6)
TechRep	(b)(6)



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7000

SER:AB-D/EATI1162

30 December 2010

AEGIS BMD FY10 TECHNICAL INSTRUCTION NO. 23-02 (LM 572) 4.0.1 MS&T
Revision 2

From: Program Executive, Aegis Ballistic Missile Defense Programs

To: Lockheed Martin
Mission Systems & Sensors (MS2)
Attn: (b)(4)
199 Borton Landing Road
P.O. Box 1027
Mail Stop 127-307
Moorestown, NJ 08057-0927

Via: DCMA Naval Sea Systems Operations
Attn: Administrative Contracting Officer
Mail Stop 127-133
199 Borton Landing Road
Moorestown, NJ 08057

Subj: Aegis BMD 4.0.1 Modeling, Simulation, & Test (MS&T) (CLIN-0023)

1. In the issuance of this instruction, it is the understanding of the Aegis BMD Program Manager that implementation of these requirements is within the scope of Contract HQ0276-10-C-0001. In the event Lockheed Martin Mission Systems & Sensors (MS2) feels implementation of this technical instruction exceeds the scope of the contract, Lockheed Martin MS2 will notify the Contracting Officer's Representative, (b)(4) MDA/AB D114 and the Contracting Officer in writing within two weeks after receipt and will take no action pursuant to this instruction.
2. This technical instruction revision picks up funding from P00037 increasing incremental funding by (b)(4) from (b)(4) to (b)(4) and for administrative changes. Aegis BMD Technical Instruction 23-02 (LM 572) Revision 1 is hereby superceded.

TECHNICAL INSTRUCTION NO.23-02

CONTRACT HQ0276-10-C-0001

Approved:

(b)(6)



I. Program Implementation

Introduction

A. Overview

The purpose of the Model Registration effort is to register the existing and future development models with the MEDUSA model for test and evaluation and Flight Test Missions for predictive analysis. This effort specifically focuses on risk reducing system engineering testing solutions, adapting existing testing methods where practical, and administering a roadmap for simulation evolution as part of the MDA M&S Strategic Plan that specifically addresses the unique testing aspects of Aegis BMD. The MS&T program provides the oversight and management of model registration to provide commonality and consistency of modeled analysis required to support Aegis BMD program Test and Evaluation and Flight Mission Events. The initial TI incorporates the SSTRESS to FirmTrack-X model registration. This effort will extend to the CND model beyond the FTM-16 timeframe.

B. Program Schedule

The period of performance of this TI is Inception through 30 June 2011.

C. Material Requirements

Items required in support of this effort include: Contractor Purchased Material (CPM) and Government Furnished Equipment (GFE).

1. None

D. Information Requirements

- N/A

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E. Contract Data Requirements

As specified in the contract, except as noted below.

F. Scope of Work

Lockheed Martin shall serve as the Aegis BMD Combat System Engineering Agent (CSEA) for Modeling, Simulation and Test. The following sections provide detailed tasking to be performed under this Technical Instruction.

1. Model Registration

Coordinate model registration with appropriate government labs to facilitate Flight Test Mission analysis and execution for Aegis BMD 4.0.1 through FTM-16). This analysis will accommodate the FirmTrack-X model.

a. Firmtrack-X Registration

Coordinate with and provide SSTRESS registration with JHU/APL's Firmtrack-X registration. Provide analysis and meeting support to generate registration of SSTRESS and FirmTrack-X metrics to ensure that both models provide tactical representations of the Aegis BMD 4.0.1 Weapon System. These registration efforts shall provide engineering comparisons for tactical builds through FTM-16 (scheduled March 2011). Activities include:

- **Assess relevant SPY B1/B2 level performance requirements are met**
- **Provide A/D data comparisons by reading A/D data with calibration files and - comparing SWB,NCI and CI detection reports**
- **Prepare/deliver data**
- **Support M&S Review**
- **Compare outputs to defined criteria**
- **Provide Element registration support as needed**

The total Firmtrack-X registration effort of this task is (b)(4) hours (est. (b)(4)). The FY10 effort is estimated at (b)(4) hours (est. (b)(4)). The anticipated FY11 effort is estimated at (b)(4) hours (est. (b)(4)).

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b. WCS Model Registration

This effort will include coordinating the registration of the two digital simulations developed at Lockheed Martin and the Johns Hopkins University Applied Physics Laboratory (JHU/APL) which model the Aegis BMD 4.0.1 Weapon Control System (WCS). It will include the Lockheed Martin MEDUSA simulation and Johns Hopkins University Applied Physics Laboratory (JHU/APL) SM-3 Block IB 6 Degree of Freedom (6-DOF). - Provide analysis and meeting support to generate registration of MEDUSA and WCS Model metrics to ensure that both models provide tactical representations of the Aegis BMD 4.0.1 Weapon System. These registration efforts shall provide engineering comparisons for tactical builds through FTM-16 (scheduled March 2011). Activities include:

- Assess relevant WCS B1/B2 level performance requirements are met
- Provide data comparisons by comparing agreed upon metrics from the 12 Aug 2010 TIM
- Prepare/deliver data
- Support M&S Review
- Compare outputs to defined criteria
- Provide Element registration support as needed

The total WCS effort is estimated at (b)(4) hours (est. (b)(4)).
The FY10 effort is estimated at (b)(4) hours (est. (b)(4)) and
anticipated FY11 effort is estimated at (b)(4) hours (est. (b)(4)).

G. Program Management and Administration

As specified in the contract.

H. Amplifying Information

No additional required.

II. Budget Ceiling

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The following constraints are imposed upon the Contractor. The estimated dollar amount for the cost of this projected effort is (b)(4). This effort will be completed by 30 June 2011. The estimated total hours to be provided (including subcontractors) is (b)(4) hours, the phasing of costs and potential award fee by fiscal year is:

CLIN	FY10	FY11	TOTAL
(b)(4)			

		*Award Fee for CLIN 0023	
CLIN	FY10	FY11	TOTAL
(b)(4)			

***Potential Award/Incentive Fee**

**** Contingent upon availability of FY11 Funding**

AEGIS BMD FY10 TECHNICAL INSTRUCTION
23-02 (LM 572) 4.0.1 MS&T Revision 2

Incremental Contract Funding Information

Task Manager: (b)(6)

Lockheed Martin Manager: (b)(6)

Contract P000/CLIN 0023	Date Funded	FY\$	Appn	Cost \$ Amount	Fee \$* Amount	Total \$ Amount	ACRN	Funding Source
(b)(4)								
Total				(b)(4)				

Contract P000/CLIN 0024	Date Funded	FY\$	Appn	Fee* Amount	ACRN	Funding Source
(b)(4)						
Total				(b)(4)		

*Potential
Award Fee

AEGIS BMD FY10 TECHNICAL INSTRUCTION
23-02 (LM 572) 4.0.1 MS&T Revision 2

Distribution:

MDA/AB D (b)(6)

MDA/AB AD (b)(6)

MDA/AB B3

MDA/AB B31

MDA/AB B33

MDA/AB B4

MDA/AB B5

MDA/DOV (b)(6)

MDA DACG (b)(6)

DCMA (b)(6)

TechRep (b)(6)



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SER: AB-D/EATI1156

20 December 2010

AEGIS BMD FY11 TECHNICAL INSTRUCTION NO. 23-03 (LM 581) BMD 5.0.1 MS&T Support, Revision 2

From: Program Executive, Aegis Ballistic Missile Defense Programs

To: Lockheed Martin
Mission Systems & Sensors (MS2)
Attn: (b)(6)
199 Borton Landing Road
P.O. Box 1027
Mail Stop 127-307
Moorestown, NJ 08057-0927

Via: DCMA Naval Sea Systems Operations
Attn: Administrative Contracting Officer
Mail Stop 127-133
199 Borton Landing Road
Moorestown, NJ 08057

Subj: Aegis BMD 5.0.1 MS&T Support (CLIN-0023)

1. In the issuance of this instruction, it is the understanding of the Aegis BMD Program Manager that implementation of these requirements is within the scope of Contract HQ0276-10-C-0001. In the event Lockheed Martin Mission Systems & Sensors (MS2) feels implementation of this technical instruction exceeds the scope of the contract, Lockheed Martin MS2 will notify the Contracting Officer's Representative, (b)(6) MDA/AB D114 and the Contracting Officer in writing within two weeks after receipt and will take no action pursuant to this instruction.
2. This technical instruction revision is issued to increase budget ceiling by (b)(4) from (b)(4) to (b)(4) with current TI scope to support BMD 5.0.1 SRR, to recalibrate estimated labor hours from (b)(4) to account for material purchase and for administrative changes. Aegis BMD Technical Instruction 23-03, Revision 1 is hereby superseded.

TECHNICAL INSTRUCTION NO.23-03

CONTRACT HQ0276-10-C-0001

Approved: (b)(6)

Approved: (b)(6)

Approved: (b)(6)

[Signature]

B

I. Program Implementation

1. Introduction

A. Overview

This effort focuses on MS&T support for the Aegis BMD 5.0.1 baseline. This will primarily include model improvements and upgrades.

B. Program Schedule

The period of performance of this TI is Inception through 31 March 2011.

C. Material Requirements

Items required in support of this effort include: Contractor Purchased Material (CPM) and Government Furnished Equipment (GFE). It will be necessary to purchase material as part of this effort.

The following CPM items may be required in support of this effort:

1. Material upgrade for Beowulf cluster - 1600 cores and 96TB storage.

It may be necessary to procure Special Test Equipment to accomplish this effort. Each item will be identified to the government prior to purchase for determination of category (e.g., Special Test Equipment, Agency Peculiar Equipment) and to obtain any approvals required by Federal Acquisition Regulations (FAR).

D. Information Requirements

The government will provide target and weapon information supporting experimental performance prediction including:

- Nominal and off-nominal trajectories (6DOF)
- RCS (aspect angle dependant S-Band)
 - Chamber measurement desired/XPATCH acceptable

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23-03 (LM 581) BMD 5.0.1 MS&T Support, Revision 2

- Debris Models
- Additional scenario specific parameters

This information will be provided by MDA/AB, other Government Organizations, or Contractors in support of MDA/AB.

E. Contract Data Requirements

As specified in the contract, except as noted below.

F. Scope of Work

The following sections provide detailed tasking to be performed under this Technical Instruction.

1. System Engineering Integration and Test: The SEIT team will provide the IPT lead oversight and management of the Aegis BMD 5.0.1 model improvements and upgrades needed to support program development. This team will be responsible for the technical oversight of all requirement generation, software development, and integration and testing efforts with regards to the simulations. This oversight ensures the conversion of product requirements into total systems solutions that acknowledge technical, schedule, and cost constraints. Classified system support including procurement, installation, maintenance, of nodes and storage for Beowulf cluster to support the needs of the BMD 5.0.1 program. In addition, network and system security, including security plans and tools to meet government security requirements for the new baseline.

2. MEDUSA is a digital model which is a high fidelity system-level representation of the Aegis BMD Weapon System. This effort provides the development and system improvements to hardware, infrastructure, telecommunications networks, and modeling and simulation (M&S) tools that are common to all intended applications supporting Aegis BMD program development. Ensures M&S development schedules support SE process SRR, SDR, PDR, CDR, Ground Test, Flight Test, and Certification. Provide system-level threat modeling and simulation development and upgrades. This effort supports the Aegis BMD 5.0.1 baseline and its milestones.
3. ACSIS - Incorporate updates to ACSIS to support the Aegis BMD 5.0.1 baseline and its milestones.
4. RSG - Incorporate updates to RSG to support the Aegis BMD 5.0.1 baseline and its milestones.

G. Program Management and Administration

Provide for the overall planning, scheduling, financial management, and execution of all efforts described in this Technical Instruction scope, including the efforts of all subcontractors. Specific areas of management responsibilities include configuration management, quality management, finance, and logistics. The Contractor shall perform resource estimates and engineering and program planning support, as required. The contractor shall develop and deliver as a non-CDRL deliverable program/project plans in accordance with the Aegis BMD SEP where noted.

H. Amplifying Information

No additional required.

II. Budget Ceiling

The following constraints are imposed upon the Contractor. The estimated dollar amount for the cost of this projected effort is (b)(4). This effort will be completed by 31 March 2011. The estimated material purchase for the Beowulf cluster upgrade is (b)(4). Therefore, the estimated man-hours to be provided (including subcontractors) is (b)(4) man-hours using Wrap rate of (b)(4) /hr based on an estimated (b)(4) for labor. The phasing of costs and potential award fee by fiscal year is:

CLIN	<u>FY11</u>	<u>TOTAL</u>
0023	(b)(4)	
*Incentive Fee		
Total		

*Award Fee for CLIN 0023		
CLIN	<u>FY11</u>	<u>TOTAL</u>
0024	(b)(4)	
Total		

***Potential Award/Incentive Fee**

AEGIS BMD FY10 TECHNICAL INSTRUCTION
23-03 (LM 581) BMD 5.0.1 MS&T Support, Revision 2

Incremental Contract Funding Information

Task Manager: (b)(6)

Lockheed Martin Manager: (b)(6)

Contract P000/CLIN 0023	Date Funded	FY\$	Appn	Cost \$ Amount	Fee \$* Amount	Total \$ Amount	ACRN	Funding Source
(b)(4)								
Total				(b)(4)				

Contract P000/CLIN 0024	Date Funded	FY\$	Appn	Fee* Amount	ACRN	Funding Source
(b)(4)						
Total				(b)(4)		

*Potential
Award Fee

AEGIS BMD FY10 TECHNICAL INSTRUCTION
23-03 (LM 581) BMD 5.0.1 MS&T Support, Revision 2

Distribution:

MDA/AB AX	(b)(6)
MDA/AB D	
MDA/AB B3	
MDA/AB B31	(b)(6)
MDA/AB B33	
MDA/AB B4	
MDA/AB B5	
MDA DACG	(b)(6)
DCMA	(b)(6)
TechRep	(b)(6)



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SER:AB-D/EATI1119

17 September 2010

AEGIS BMD FY10 TECHNICAL INSTRUCTION NO. 25-01 (LM 450) Dahlgren
Operations REVISION 5

From: Program Executive, Aegis Ballistic Missile Defense Programs

To: Lockheed Martin MS2
Attn: (b)(6)
199 Borton Landing Road
P.O. Box 1027
Mail Stop 127-307
Moorestown, NJ 08057-0927

Via: DCMA Naval Sea System Operations
Attn: Administrative Contracting Officer
199 Borton Landing Road
Mail Stop 127-133
Moorestown, NJ 08057

Subj: Aegis BMD Future Studies Technical Instruction Revision
(CLIN-0025)

1. In the issuance of this instruction, it is the understanding of the Aegis BMD Program Manager that implementation of these requirements is within the scope of Contract HQ0276-10-C-0001. In the event Lockheed Martin MS2 feels implementation of this technical instruction exceeds the scope of the contract, Lockheed Martin MS2 will notify the Contracting Officer's Representative, (b)(6) MDA/AB D114, and the Contracting Officer in writing within two weeks after receipt and will take no action pursuant to this instruction.
2. This technical instruction revision is to pick-up funding from P00029 by (b)(4) from (b)(4) to (b)(4) and for administrative changes. Aegis BMD Dahlgren Operations Technical Instruction 25-01 (LM 450) Revision 4 is hereby superceded.

TECHNICAL INSTRUCTION 25-01

CONTRACT HQ0276-10-C-0001

Approved:

(b)(6)



I. Program Implementation

1. INTRODUCTION

A. Overview

B. Program Schedule

- The period of performance for this TI is 01 October 2009 through 30 September 2010.

C. Material Requirements

D. Information Requirements

Work in process copies of specific documentation should be submitted as requested and as informational transmittals to support events.

E. Contract Data Requirements

As specified in the contract.

F. Scope of Work

The Contractor shall provide systems engineering efforts to support future weapons systems concept development and studies. The Contractor shall participate on various teams and working groups with MDA/AB, MDA, and Industry Partners as directed by the Aegis BMD Program Office. The Contractor shall perform tasks to support:

Aegis BMD Advanced Technology Initiatives

Diurnal Star Tracker (DST) Technology Proof of Concept Initiative ((Completed)):

1. Refine DST CONOPS to define the system's utility in decreasing the threat space. The result of this effort shall be a revision of the DST CONOPS Document.
2. The Contractor shall perform a DST Design Review. This shall include generation of presentation material by 30 November 2009. The

Contractor shall conduct a DST Design Review utilizing CONOPS documentation, associated study and design review material previously developed and refined under this technical instruction. All resulting action items shall be completed NLT 17 December 2009. This task is considered complete upon closure of the action items and is not authorized for follow-on efforts.

**Future Weapons Systems Concepts, Baselines & Studies
(Completed):**

1. The Contractor shall perform conceptual design/trade/feasibility study as directed by MDA/AB in support of the sea-based SM-3 BLK IIB KW study. The Contractor shall support performance analysis looking at various alternatives for a SM-3 Block IIB missile. This effort shall lead to the NTWSIM and Medusa Analysis Results. This effort is considered complete as of 30 November 2009 at the direction of the government.
2. The Contractor shall work closely with Johns Hopkins University/Applied Physics Laboratory (JHU/APL). The result of this study shall be a report identifying the research performed, analysis, conclusion and recommendations. This effort is considered complete as of 30 November 2009 at the direction of the government.
3. NTE (b)(4) hours. The Contractor shall investigate and recommend future weapons systems concept development and study efforts. Once a recommendation has been accepted, this technical instruction shall be revised to delineate that effort with scope clarification, expected artifacts, timeframe and the allocated funding.
4. NTE (b)(4) hours. The Contractor shall support the Deputy Technical Director's System Engineering Council as directed.

Dahlgren Operations (Total NTE Hours: (b)(4) :

The Contractor shall provide day-to-day support to the Aegis BMD Program Office and act as a customer liaison for the SBMD PMO, on matters of a general nature that are not aligned with a specific Aegis BMD product baseline. The contractor shall develop audiovisual products to support Aegis BMD presentations at various forums as directed. (NTE (b)(4) Hours)

In addition, the contractor shall provide technical support/liaison at specific conferences per customer direction for the following two (2) events in August 2010, with deliverable of a trip report (7 days post-event) to MDA/AB-D summarizing all briefings, key observations and discussions relevant to Aegis BMD (MDA/AB) (NTE (b)(4) Hours):

- o National Fire Control Symposium (San Diego, CA)
- o Surface Navy Association West Coast Symposium (San Diego, CA)

II. Budget Ceiling

The following constraints are imposed upon the Contractor. The estimated dollar amount for the cost of this projected effort is (b)(4). This effort will be completed by 30 September 2010. The total estimated hours to be provided (including subcontractors) is (b)(4) hours using a burdened wrap rate of (b)(4) the phasing of costs and potential award fee by fiscal year is:

CLIN	<u>FY10</u>	<u>TOTAL</u>
0025	(b)(4)	
*Award		
Fee		
Total		

*Potential Award Fee

Incremental Contract Funding Information

Task Manager: (b)(6)

Lockheed Martin Manager: (b)(6)

Contract P000/CLIN	Date Funded	FY\$	Appn	Cost \$ Amount	Fee \$* Amount	Total \$ Amount	ACRN	Funding Source
(b)(4)								
Total				(b)(4)				

*Potential Award Fee

AEGIS BMD FY10 TECHNICAL INSTRUCTION
25-01 (LM 450) Dahlgren Operations REVISION 5

Distribution:

MDA/AB D (b)(6)

MDA/AB B3

MDA/AB B31 (b)(6)

MDA/AB B4

MDA/AB B5

MDA DACG (

MDA/DOV (b)(6)

DCMA (b)(6)

TechRep (b)(6)



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SER:AB-D/EATI1174

01 February 2011

AEGIS BMD FY10-FY11 TECHNICAL INSTRUCTION NO. 25-02 (LM 448) 4.0.1
(ENG REL) / SCD Support REVISION 8

From: Program Executive, Aegis Ballistic Missile Defense Programs

To: Lockheed Martin MS2
Attn: (b)(6)
199 Borton Landing Road
P.O. Box 1027
Mail Stop 127-307
Moorestown, NJ 08057-0927

Via: DCMA Naval Sea System Operations
Attn: Administrative Contracting Officer
199 Borton Landing Road
Mail Stop 127-133
Moorestown, NJ 08057

Subj: 4.0.1 (ENG REL) / SCD Support (CLIN-0025)

1. In the issuance of this instruction, it is the understanding of the Aegis BMD Program Manager that implementation of these requirements is within the scope of Contract HQ0276-10-C-0001. In the event Lockheed Martin MS2 feels implementation of this technical instruction exceeds the scope of the contract, Lockheed Martin MS2 will notify the Contracting Officer's Representative, (b)(6) MDA/AB D114, and the Contracting Officer in writing within two weeks after receipt and will take no action pursuant to this instruction.
2. This technical instruction revision is issued to pick-up incremental funding from P00041 by (b)(4) from (b)(4) to (b)(4) and to make administrative changes. Revision 7 is hereby superseded.

4.0.1 (ENG REL) / SCD Support (CLIN-0025)

TECHNICAL INSTRUCTION 25-02

CONTRACT HQ0276-10-C-0001

Approved:

(b)(6)



I. Program Implementation

1. INTRODUCTION

A. Overview

This Technical Instruction (TI) provides for SM3 Block IIA Cooperative Development (SCD) Support and for development of Aegis Weapon System (AWS) test configurations necessary for SCD Flight Testing and the interfaces necessary for tactical implementation. This Instruction initiates analysis, design, development and production of these AWS configurations, as well as Combat Systems Engineering Agent (CSEA) for SCD and participation in Joint/Japan forums.

B. Program Schedule

The period of performance of this TI is from 01 October 2009 through 28 February 2011.

C. Material Requirements

In accordance with contract.

D. Information Requirements

In accordance with contract.

E. Contract Data Requirements

In accordance with contract.

F. Scope of Work

CLIN 0025 - Future Studies

As authorized by this technical instruction, the Contractor shall provide program management and system engineering support to MDA/AB for Engagement Sequence Definition; Program planning, Concept Development and Functional Baseline Development for Future Baselines for test configurations necessary for SCD Flight Testing and the interfaces necessary for tactical implementation.

FY11 (1 October 2010 - 28 February 2011) - SM3 Block IIA Cooperative Development (SCD) Support, AWS Test Configuration Development, and development of the interfaces necessary for Tactical Configuration

Current FY11 Period of Performance will focus on preparations for SCD Milestone Reviews (SM3 Block IIA PDR 1/2011 and BMD 4.0.1 (ENG REL) SDR 2/2011). Major detailed tasks are amplified below:

SCD Program Support

Provide CSEA systems engineering support to SCD program including SCD design reviews, SCD DoD and Joint/Japan technical forums, and Aegis BMD Requirements CM process.

- Support development of presentation materials, specification, and design artifacts
- Continued support for the SCD ECS, AWS Test Configuration TLR, Missile TLR, and MRSD
- Support RDT, TWG, and joint forums
- Continue to support and participate in SCD flight test program planning activities for SCD Flight Test Missions, including the Mission Requirements Document (MRD)
- Support the SCD PDR design effort and initiate SCD CDR design effort with representative AWS modeling and analysis
- Provide recommendations, and identify technical and programmatic risks

SCD and Aegis Weapons System (AWS) Working Group (SAWG)

Continue to participate in and provide support to the SAWG necessary to development of the AWS Test and Tactical Configurations. This support includes:

- Provide technical leadership in development and execution of SAWG task plans
- Attendance at SAWG meetings
- Coordinate with the technical community to generate agendas
- Continue to execute tasks as outlined in the FY10 SAWG Plan
- Develop and provide specific SAWG study plans, study results, and Conceptual Design Documentation to support specification development

BMD 4.0.1 (ENG REL) Development

- Prepare for and conduct the BMD 4.0.1 (ENG REL) SDR (February 2011) in accordance with Entrance and Exit Criteria
- Begin BMD 4.0.1 (ENG REL) Preliminary Design
- Support the SCD PDR (January 2011)
- Initiate support for the SCD CDR (February 2012)

BMD 4.0.1 (ENG REL) System Engineering Integration Team (SEIT)

The SEIT is responsible for technical oversight of the program and coordinates activities across IPTs. The SEIT activity covers A-Spec changes, software project management, and system safety. System safety will continue to update the system hazard analysis documentation and support system safety working group meetings and Weapon System Explosive Safety Review Board (WSESRB) briefings.

BMD 4.0.1 (ENG REL) System Analysis

System analysis includes updating MEDUSA to support the BMD 4.0.1 (ENG REL) PDR analysis and conducting necessary analysis. The analysis will involve validating the system and element design against the SCD flight test mission scenarios. This analysis will be initiated but not completed during this TI period.

BMD 4.0.1 (ENG REL) System Design

The following activities will be completed during this period of performance:

- Adjudicate A-Spec and B1 SC QIRs
- Generate SDR package

The following activities will be initiated but not completed during this period of performance:

- SDR driven SC revisions as required
- Design changes driven by SM3 Block IIA MASC changes
- WCS design changes driven by WCS/VLS, VLS/Missile, RF Link, KAS, EICD, and MICD interface changes as required
- SPY design changes driven by RF Link interface changes as required
- ACTS and/or ADS design changes as required
- Support MEDUSA element model (SSTRESS / NTWSIM / C2SIM / Prometheus) updates and integration
- Missile acquisition modeling and analysis
- Generate B5 SC packages

BMD 4.0.1 (ENG REL)/SM-3 Block IIA Interface development

Continue BMD 4.0.1 (ENG REL)/SM-3 Block IIA ICR/ICD development in support of the SCD flight test missions.

Support next revision of the following interface documents:

- EICD
- MICD
- AWS/SM-3 RF Link
- VLS/SM-3
- WCS/VLS
- KAS/MTD
- OSNs

SCD I&T Planning Support

Support Integration and Test (I&T) Planning Activities in preparation for SCD flight test missions.

- Participate in TEWG meetings
- Participate in NSWC-PHD led SCD flight test mission I&T WG meetings
- Update BMD 4.0.1 (ENG REL) Master Test and Evaluation Program Plan (MTEPP) as required
- Monitor risks and opportunities associated with I&T and SCD flight test missions
- Generate SDR I&T package

END FY11 Scope

FY10 (1 October 2009 - 30 September 2010) - SM3 Block IIA Cooperative Development (SCD) Support, AWS Test Configuration Development, and development of the interfaces necessary for Tactical Configuration

Current Period of Performance will focus on preparations for SCD Milestone Reviews (RFR-10/2009, IPR-02/2010, and PDR-1/2011). Major detailed tasks are amplified below:

SCD Program Support

Provide CSEA systems engineering support to SCD program including SCD design reviews, SCD DoD and Joint/Japan technical forums, and Aegis BMD Requirements CM process.

- Support development of presentation materials, specification, and design artifacts
- Continued support for the SCD ECS, AWS Test Configuration TLR, Missile TLR, and MRSD
- Support RDT, TWG, and joint forums
- Continue to support and participate in SCD flight test program planning activities for SCD Flight Test

Missions, including the Mission Requirements Document (MRD)

- Provide recommendations, and identify technical and programmatic risks

SCD Performance Assessment Management Team (PAMT)

Continue to participate in and provide support to the SCD PAMT and TEMT. This support includes:

- Attendance at PAMT and TEMT meetings to cover SCD related analysis topics
- Continue tool updates in preparation for SCD related analysis
- Conduct analysis when MDA/AB/DEET (SEG) issues new DP codes and threat data packages for the consolidated SCD/5.1 threat set to verify there is no impact to requirements
- Continue to update and complete performance analysis necessary for development of ECS SCD related requirements in accordance with the schedule developed and negotiated within the PAMT
- New FY10 analysis includes Raid

SCD Element Capability Specification (ECS)

Continue to participate in and provide support to the ECS Working Group focusing on evaluation of missile related SCNs which could drive AWS development. This support includes:

- Attendance at ECS Working Group meetings
- Continue to develop ECS SCD related requirements for inclusion in the SCD ECS
- Continue tool updates in preparation for SCD related analysis needed to support ECS requirements feasibility
- ECS performance requirements feasibility analysis for SCD related requirements

SM3 Block IIA Cooperative Development (SCD) and Aegis Weapons System (AWS) Working Group (SAWG)

Continue to participate in and provide support to the SAWG necessary to development of the AWS Test and Tactical Configurations. This support includes:

- Provide technical leadership in development and execution of SAWG task plans
- Attendance at SAWG meetings
- Coordinate with the technical community to generate agendas
- Continue to execute tasks as outlined in FY09 SAWG plan and the FY10 SAWG Plan

- Maintain AWS Test Configuration A-Specification and Draft B1 Change Packages which will be required for the AWS Test Configuration SDR
- Develop and provide specific SAWG study plans, study results, and Conceptual Design Documentation to support specification development

Continue to update the following risk reduction white papers to support SCD AWS Test and Tactical Configurations as a joint effort with Raytheon:

- Missile/AWS Physical Interface
- Pssek Allocation and Error Trees
- Engagement Logic
- Designation/Correlation (System Discrimination)
- Engagement Strategy CONOPS
- Integration and Test Strategy

Additional LM/RMS joint white papers may be identified/developed as required to evolve system concept definition.

SCD PDR Analysis Support - SCD AWS Test Configuration Models

Support missile design efforts with representative BMD AWS Test Configuration modeling and analysis (NTWsim, MEDUSA, SSTRESS, C2sim) including SCD/AWS design studies to allocate requirements at the A and B1 level.

- Support the SCD design effort with representative AWS modeling and analysis. Analysis runs need to begin approximately (b)(4) prior to SCD PDR (12/2011), so the models need to be developed and ready to begin the analysis by the end of FY10.
- Develop and provide specific study plans, study results, and Conceptual Design Documentation to support specification development
- This task will also be monitored by the SAWG

WCS FOM and Midcourse Guidance Designs (SM-3 Block IIA)

Develop initial design definition for SCD AWS Test Configuration WCS Figure of Merit (FOM) and midcourse guidance supporting SM-3 Block IIA.

- Develop requirements for the SM-3 BLk IIA FOM and Midcourse Guidance design
- Develop and provide specific study plans, study results, and Conceptual Design Documentation to support specification development

- This task will also be monitored by the SAWG

SCD AWS Test and Tactical Configuration/SM-3 Block IIA Interface development

Continue SCD AWS Test and Tactical Configuration ICR development to lower risk of requirements change late in the missile development timeline.

- Develop and provide specific study plans, study results, and Conceptual Design Documentation to support specification development
- This task will also be monitored by the SAWG

SCD I&T Planning Support

Support Integrations and Test (I&T) Planning Activities in preparation for SCD PDR entrance/exit criteria.

- Joint RMS and LM White Paper on I&T Strategy
- LM White Paper on M&S strategy and plan
- This task will also be monitored by the SAWG

SCD System Safety Support

Provide system safety engineering support to SCD WSERB and other Safety forums to ensure a total system perspective is maintained during the safety program implementation.

- Participate in BMD System Safety Working Group
- Generate draft and final documentation for Preliminary Hazard List (PHL) and Preliminary Hazard Analysis (PHA) per MIL-STD-882

Weapon System Architecture Trade Study for SCD FTM Test Ship

Given the SCD Top-Level schedule provided by BX/B5, reassess Aegis BMD weapon system architecture to be used as point of departure for the SCD AWS Test Configuration and test ship supporting the SCD flight test program. With the schedule movement for the SCD program, determine if the use of a BMD 5.0 ship may be possible to support the SCD FTMs.

- Conduct trade study between 4.0.1 and 5.0 to be the firing ship for the SCD FTMs. Consider factors such as schedule dependencies/timing, re-use, maturity, rework, and availability
- Provide a briefing including trade study results and recommendations

Raid Performance Requirements Development

This task provides the performance analysis to assess raid performance for developing ECS requirements for Raid. In addition, this task includes raid performance sensitivity analysis to identify potential modifications to the Conceptual Design Assumptions to enhance raid capability.

- Develop integrated AWS / SM3 Blk IIA alternative conceptual designs for Raid.
- Evaluate expected performance of alternative conceptual designs for Raid.
- Support ECS raid performance requirements definition.
- Conduct raid performance requirements feasibility assessment.
- Develop and provide specific study plans, study results, and Conceptual Design Documentation to support specification development
- Support ECS raid scenario definition in conjunction with B5 and the TEMP
- This task will also be monitored by the SAWG and PAMT

END FY10 Scope

G. Program Management and Administration

Provide for the overall management, planning, scheduling and execution of all efforts described in this TI. The contractor shall perform resource estimates as required.

H. Amplifying Information

None.

II. Budget Ceiling

The following constraints are imposed upon the Contractor. The estimated dollar amount for the cost of this projected effort is (b)(4). This effort will be completed by 28 February 2011. The total man-hours to be provided (including subcontractors) is (b)(4) man-hours for FY10 and (b)(4) man-hours for FY11, the phasing of costs and potential award fee by fiscal year is:

CLIN	<u>FY10</u>	<u>FY11</u>	<u>TOTAL</u>
0025	(b)(4)		
*Award			
Fee			
Total			

*Potential Award Fee

Incremental Contract Funding Information

Task Manager: (b)(6)

Lockheed Martin Manager: (b)(6)

Contract P000/CLIN 0025	Date Funded	FY\$	Appn	Cost \$ Amount	Fee \$* Amount	Total \$ Amount	ACRN	Funding Source
(b)(4)								
				(b)(4)				
Total								

*Potential Award Fee

Distribution:

MDA/AB D (b)(6)
MDA/AB B3 (b)(6)
MDA/AB B31 (b)(6)
MDA/AB B5 (b)(6)
MDA/AC (b)(6)
MDA/DACG (b)(6)
MDA/DOV (b)(6)
DCMA (b)(6)
TechRep (b)(6)



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SER: AB-D/EATI1170

24 January 2011

AEGIS BMD FY10 TECHNICAL INSTRUCTION NO. 25-03 (LM 520)
Future Weapon Systems (FWS) Concept Development Revision 6

From: Program Executive, Aegis Ballistic Missile Defense Programs

To: Lockheed Martin MS2
Attn: (b)(6)
199 Borton Landing Road
P.O. Box 1027
Mail Stop 127-307
Moorestown, NJ 08057-0927

Via: DCMA Naval Sea System Operations
Attn: Administrative Contracting Officer
199 Borton Landing Road
Mail Stop 127-133
Moorestown, NJ 08057

Subj: Aegis BMD Future Weapon Systems Concept Development Technical
Instruction (CLIN-0025)

- (a) In the issuance of this instruction, it is the understanding of the Aegis BMD Program Manager that implementation of these requirements is within the scope of Contract HQ0276-10-C-0001. In the event Lockheed Martin MS2 feels implementation of this technical instruction exceeds the scope of the contract, Lockheed Martin MS2 will notify the Contracting Officer's Representative, (b)(6), MDA/AB D114, and the Contracting Officer in writing within two weeks after receipt and will take no action pursuant to this instruction.
- (b) This technical instruction revision is issued to pick-up incremental funding from P00039 by (b)(4) from (b)(4) to (b)(4). TI Revision 5 is hereby superseded.

AEGIS BMD FY10 TECHNICAL INSTRUCTION
25-03 (LM 520) FWS Support Revision 6

TECHNICAL INSTRUCTION 25-03

CONTRACT HQ0276-10-C-0001

Approved:

(b)(6)



I. Program Implementation

1. INTRODUCTION

A. Overview

- i. This Technical Instruction (TI) provides for Future Studies & Concept Development, Risk Reduction Technology Development, and Future Baseline development support. Support shall include performance assessments, modeling & simulation support, assessment of concepts and candidate technologies, analysis, definition of requirements, and other related efforts. Synergy with existing and planned MDA/AB and BMDS programs shall be investigated for applicability.

B. Program Schedule

The period of performance of this TI is from 10 May 2010 through 30 September 2011.

C. Material Requirements

No unique material is required.

D. Information Requirements

Documentation shall be transmitted as needed to support required effort.

E. Contract Data Requirements

In accordance with contract.

F. Program Management and Administration - NTE

(b)(4)

Provide for the overview planning, scheduling, financial management, and execution of all efforts described in this Technical Instruction scope, including the efforts of all subcontractors. Specific areas of management responsibilities include configuration management, quality management, finance, and logistics. The Contractor shall perform resource estimates and

engineering and program planning support, as required. The contractor shall develop and deliver as a non-CDRL deliverable program/project plans in accordance with the Aegis BMD SEP where noted.

G. Scope of Work

CLIN 0025 - Future Weapon System Concept Development & Initiatives

As authorized by this technical instruction, the Contractor shall provide program management and system engineering support to MDA/AB for Program Planning, Concept Development and Functional Baseline Development for Future Baselines.

As required, the Contractor shall perform research, investigations, engineering analysis, evaluations, trade studies, and assessments that support decision making and requirements development for future concepts and technologies. Unless otherwise agreed upon by Aegis BMD Program Office, each task shall deliver a Final Report that includes objectives, requirements, assumptions, criteria, research and analysis performed, options (if necessary), conclusions, and recommendations.

Task #1: Special Studies - NTE (b)(4)

The Contractor shall provide system engineering support in response to various emergent data drills and short cycle analysis tasking as directed by MDA/AB/B5. In addition, the Contractor shall provide system engineering support for the Deputy Technical Director's classified project. The effort shall consist of the analysis of Aegis BMD Fire Control performance against a specific threat set in a particular area of interest. An analysis report and brief will be generated.

Task #2: Multi-Ship Planner Requirements/Concept Definition - NTE (b)(4)

The Contractor shall perform conceptual design/trade/feasibility studies examining battle group and coordinated raids planning. The Contractor shall provide a whitepaper, analysis, and CONOPs at the end of this analysis.

Task #3: Diurnal Star Tracker (DST) Proof of Concept Initiative -
NTE (b)(4)

The Contractor shall:

- (a) The Contractor shall develop a project plan upfront to be presented to/approved by MDA/AB.
- (b) Develop Algorithms for Precision Ship Attitude Determination, Precision Ship Position Determination, and transfer Alignment that will provide precision radar alignment for the purpose of minimizing face-to-face transient effects of SPY-1 Radar.
- (c) Develop Integrated Algorithm Design that filters and integrates the position, attitude and transfer algorithms.
- (d) Collaborate with DST Technology Developer and SPAWAR Test Engineer to support DST system interface design development.
- (e) Present test results and algorithm designs at a DST IPR (In Process Review) to be held by 30 December 2010. Document the algorithm functions in a draft DST interface document.
- (f) Support JCTD (Joint Capability Technology Demonstration) socialization and proposal development effort.
- (g) Begin Critical Experiment planning. A draft shipboard testing document will be delivered.

Task #4: SBIR Technical Support & Initiatives - NTE (b)(4)

- (a) **Hardbody/Plume Technical Meeting Support:** The Contractor shall provide Subject Matter Expert (SME) Support for no more than 3 (three) technical meetings including a Kick-Off Meeting. The meeting topic is "Hardbody Plume Interactions on Radar Returns". The Contractor shall provide expertise to validate techniques capable of separately computing missile hardbody and plume RCS. The contractor shall validate the identified approach for simultaneously computing the coherent RCS of a hardbody and its plume. The contractor shall provide a summary meeting report to include technical concerns/issues, conclusions and recommendations. By direction of the Aegis BMD Program Office, the SME may be requested to participate in 2 (two) additional follow-on meetings.
- (b) **3D Imaging Radar Technical Meeting Support:**
The Contractor shall provide Subject Matter Expert (SME) Support for a Technical Interchange Meeting (TIM) for 3D Radar Imaging technology. The contractor shall provide expertise for an innovative 3D Radar Imaging algorithm that can be used in combination with the SPR (Static Pattern Reconstruction) algorithm to provide discrimination and motion determination of ballistic missiles and space

objects of interest. The contractor shall provide a summary meeting report to include technical concerns/issues, conclusions, a roadmap, and recommendations.

(c) New Small Business Initiatives:

At the Direction of the Aegis BMD Program Office, the Contractor shall support new small business initiatives that will provide new capabilities in support of future weapon systems. Contractor shall support TIMs by providing expertise in various Research Topic areas. The Contractor shall also support topic writing in order to seek technology opportunities.

Task #5: Coordinated Raid - NTE

(b)(4)

The Contractor shall conduct analysis to verify current single Aegis asset capabilities in Raid environment (BMD 4.0.1 / 5.0) and conduct DWES multi-asset engagement coordination analysis against saturated raid. Effort includes:

- (a) The Contractor shall develop a project plan upfront to be presented to/approved by MDA/AB which outlines effort details.
- (b) Examination of advanced concepts for multi-tier engagement coordination in raid environment.
- (c) Deliverables are data analysis, CONOPs, and whitepaper describing the Raid environments analyzed.
 - i. Raid missions, critical performance metrics, and scenario lay-down.
 - ii. Feature and attribute correlation and fusion methods.
 - iii. Sensitivity analysis, and selected performance predictions for defined scenarios.
 - iv. Development of distributed doctrine, taxonomy and fire control logic incorporating sensor, weapon and resource availability constraints.

Task #6: EO/IR Sensor Support to Aegis BMD for Early Intercept -

NTE

(b)(4)

- (a) The Contractor shall develop a project plan upfront to be presented to/approved by MDA/AB which outlines effort details.
- (b) Contractor shall develop the concept of operations, system architecture, and logic flow to achieve EO/IR support for EI (Early Intercept) utilizing the Aegis BMD 5.0 baseline.
- (c) Contractor shall evolve the Left Hook LoB (Launch on Boost) tracking filter to include IR features. A characterization of existing IR sensors (ABIR, SBIRS, ground based IR) will

AEGIS BMD FY10 TECHNICAL INSTRUCTION
25-03 (LM 520) FWS Support Revision 6

be completed with the assistance of MIT LL and requirements for QoS (Quality of Service) for EI engagement will be derived.

- (d) The Contractor shall deliver a white paper by 30 December 2010 documenting the design, implementation, and performance of the above mentioned system.

Task #7: Combined RF/IR Sensor Correlation - NTE (b)(4) The Contractor shall develop a project plan upfront to be presented to/approved by MDA/AB. The Contractor shall develop concepts that improve discrimination and designation of threat objects in a countermeasure environment using common EM spectral feature correlation. Determine detectible Ship EO/IR phenomenology in common with SM-3 KW seeker measurements.

Task #8: Deleted.

Task #9: Two Shot Firing Policy/Requirements - NTE (b)(4) The Contractor shall conduct two shot doctrine analysis over defined ECS (Element Capability Specification) required scenarios (BMD 4.0.1 / 5.0). Deliverables will be data analysis and proposed requirements. Effort shall include coordination with APL (TIMs and telcons). Post analysis effort and final presentation delivery shall be coordinated with APL.

Task #10: ECM Requirements Development - NTE (b)(4) The Contractor shall define impacts to Aegis BMD mission given proposed ECM environment (as defined by QIR #1288 against TLR.SCN 127.4 provided by PD452). Deliverable will be a presentation or technical memorandum defining analysis and impacts.

- Task #11: Advanced 3D Display Development - NTE** (b)(4)
- (a) The Contractor shall develop a project plan upfront to be presented to/approved by MDA/AB.
 - (b) The Contractor shall perform system engineering and conceptual design/trade/feasibility studies as directed by MDA/AB in support of AWS Display Unit. The Contractor shall support performance analysis looking at various Display alternatives. System engineering shall include all activities that lead to potential prototyping and testing in FY11 and out.
 - (c) Contractor shall document preliminary interface designs, functional concepts, and allocated requirements by 28 February 2011.

Task #12: Advanced Discrimination - NTE (b)(4)

The Contractor shall develop a project plan upfront to be presented to/approved by MDA/AB. Evaluate, assess, and develop concepts of candidate technologies that enhance Aegis Weapon System discrimination of lethal objects. Deliverables will be whitepapers and/or analysis of results.

Task #13: Future Requirements Generation Team - NTE - (b)(4)

- (a) The Contractor shall participate and support the Future Requirements Generation Team. This Team shall initially develop future concepts for research and development. Identify innovative ideas for FWS based on capability gaps and future needs. This Team shall research and recommend candidate technologies that will meet future needs.
- (b) The Contractor shall support development of a Future Requirements Generation Document. The contents of this document shall be established by the Team and approved by Aegis BMD Program Office (B5).

Task #14: Critical Experiments: NTE - (b)(4)

The Contractor shall support critical experiment definition and planning to develop future weapons systems analysis.

Task #15: Tactical Satellite (TACSAT) Initiative: NTE (b)(4)

- (a) Develop and Finalize a TACSAT CONOPS to include deployment and execution of an orbit insertion scenario. The CONOPS shall address:
 - i. Ship Operations
 - ii. Communication Architectures
 - iii. Payloads and Geometries
 - iv. Aegis BMD impacts (i.e. SM-3 Missile)
- (b) Perform Aegis BMD TACSAT Feasibility Study based on the TACSAT Final CONOPS. Generate a final report that shall include the research and analysis performed, conclusions, and recommendations. CONOPS document to be delivered 30 December 2010.
- (c) Collaborate with MDA, STRATCOM, Navy, Universities, and other Industry Partners to develop a CONOPS.

(b)(4)



H. Amplifying Information

None.

AEGIS BMD FY10 TECHNICAL INSTRUCTION
25-03 (LM 520) FWS Support Revision 6

II. Budget Ceiling

The following constraints are imposed upon the Contractor. The estimated dollar amount for the cost of this projected effort is (b)(4). This effort will be completed by 230 September 2011. The total estimated man-hours to be provided (including subcontractors) is (b)(4) man-hours, the phasing of costs and potential award fee by fiscal year is:

CLIN	<u>FY10</u>	<u>FY11</u>	<u>TOTAL</u>
0025	(b)(4)		
*Award Fee			
Total			

*Potential Award Fee

AEGIS BMD FY10 TECHNICAL INSTRUCTION
25-03 (LM 520) FWS Support Revision 6

Incremental Contract Funding Information

Task Manager: (b)(6)

Lockheed Martin Manager: (b)(6)

Contract P000/CLIN 0025	Date Funded	FY\$	Appn	Cost \$ Amount	Fee \$* Amount	Total \$ Amount	ACRN	Funding Source
(b)(4)								
Total				(b)(4)				

*Potential Award Fee

AEGIS BMD FY10 TECHNICAL INSTRUCTION
25-03 (LM 520) FWS Support Revision 6

Distribution:

MDA/AB D (b)(6)

MDA/AB B3

MDA/AB B31 (b)(6)

MDA/AB B5

MDA/AD (b)(6)

MDA/AC

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DCMA (b)(6)

TechRep (b)(6)



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SER:AB-D/EATI1155
06 December 2010

AEGIS BMD FY10 TECHNICAL INSTRUCTION NO. 25-04 (LM 531) BMD 5.0.1
REVISION 2

From: Program Executive, Aegis Ballistic Missile Defense Programs

To: Lockheed Martin MS2
Attn: (b)(6)
199 Borton Landing Road
P.O. Box 1027
Mail Stop 127-307
Moorestown, NJ 08057-0927

Via: DCMA Naval Sea System Operations
Attn: Administrative Contracting Officer
199 Borton Landing Road
Mail Stop 127-133
Moorestown, NJ 08057

Subj: Aegis BMD Baseline 5.0.1 Baseline Development (CLIN-0025)

1. In the issuance of this instruction, it is the understanding of the Aegis BMD Program Manager that implementation of these requirements is within the scope of Contract HQ0276-10-C-0001. In the event Lockheed Martin MS2 feels implementation of this technical instruction exceeds the scope of the contract, Lockheed Martin MS2 will notify the Contracting Officer's Representative, (b)(6), MDA/AB D114, and the Contracting Officer in writing within two weeks after receipt and will take no action pursuant to this instruction.
2. This technical instruction revision is issued to pick up deobligation from P00033, reduce the FY10 budget ceiling and scope (maintenance and upgrade of ACSIS, RSG, MEDUSA and ETEEDS; A-Spec trace for 5.0.1 ECS; and 5.0.1 M&S) by (b)(4) adding (b)(4) FY11 budget ceiling and reducing total budget ceiling by (b)(4) from (b)(4) to (b)(4), add CLIN 0025 proposal scope, extend period of performance to 31 March 2011 to include SRR and to make administrative changes. Technical Instruction Revision 1 is hereby superseded.

Aegis BMD Baseline Development 5.0.1
(CLIN-0025)

TECHNICAL INSTRUCTION 25-04

CONTRACT HQ0276-10-C-0001

(b)(6)

Approved:

Approved:

Approved:

I. Program Implementation

1. INTRODUCTION

A. Overview

This Technical Instruction (TI) provides for the development of the Aegis BMD Baseline 5.0.1 Weapon System. This instruction initiates the analysis to support performance requirements feasibility assessment in the development of BMD 5.0.1 ECS requirements. . These efforts will support a Dec 2010 IPR PAMT report and requirements feasibility studies for the BMD 5.0.1 SRR.

B. Program Schedule

The period of performance of this TI is from 07 July 2010 through 31 March 2011.

C. Material Requirements

The following CPM items may be required in support of this effort:

1. BMD 5.0.1 AWS Test Suite tactical hardware and software

The following GFM items may be required in support of this effort:

1. Encryption hardware / equipment supporting transmission of classified data using telecommunication network
2. Encryption KEYMAT material supporting transmission of classified data using telecommunication network
3. Site computer program and test equipment
4. Site specific equipment, tactical elements, and hardware required to support integration and test with remote facilities.

D. Information Requirements

In accordance with contract.

E. Contract Data Requirements

In accordance with contract.

F. Scope of Work

CLIN 0025 Aegis BMD Baseline 5.0.1 Concept Development

As authorized by this technical instruction, the Contractor shall initiate the concept development of the Aegis BMD Baseline 5.0.1

The Contractor will develop and propose a program management plan (PMP) in accordance with the Aegis BMD Systems Engineering Plan for the development and fielding of the Aegis BMD Baseline 5.0.1.

Aegis Baseline 5.0.1 will modify Aegis BMD Baseline 5.0 to provide engagement capability against threats by utilizing existing BMD 5.0 missiles and integrating the SM2 Blk IV missile and the associated weapon system changes to plan, detect, track, engage, and intercept the associated threats defined by the AB PAMT process.

The contractor will evaluate the scope of work required to integrate the SM-2 Blk IV missile and use of new endo-engagement algorithm.

The Contractor will meet the requirements for Program Management, Cost/Schedule Management, Combat System Engineering, Computer Program Development, Baseline Requirements Change Assessment, Performance Analysis, Critical Experiments, Site Installation and Site Equipment Development, Integration and Test, System Safety, RM&A Engineering, HSI, Data Management, QAP, Configuration Management, and IA as applicable to this task.

Upon receipt of a valid RFP from the Contracting Officer, this Technical Instruction (TI) will capture the efforts related to providing a cost proposal for CLIN 0025 ceiling increase which includes effort for CLIN 0025 and the movement of SCD/4.0.1 ER effort to CLIN 0014.

BMD 5.0.1 Baseline Development

Current Period of Performance will focus on preparations for BMD 5.0.1 IPR to be held in Dec 2010. The Aegis BMD Systems Engineering Plan (SEP) Entrance/Exit criteria will be tailored for this effort and agreed upon by the Aegis BMD program office.

BMD 5.0.1 will be a standalone effort through the SRR. Major detailed tasks are amplified below:

Aegis BMD 5.0.1 Capability Performance Assessment Management Team (PAMT)

Participate in and provide support to the Aegis BMD 5.0.1 PAMT. This support includes:

- Attendance at PAMT and meetings to cover BMD 5.0.1 related analysis topics
- Continue tool updates needed to support BMD 5.0.1 ECS performance requirements feasibility assessment.
- Continue performance requirements feasibility assessment supporting development of BMD 5.0.1 ECS requirements in accordance with the schedule developed and negotiated within the PAMT
- FY10 priority is to define BMD 5.0.1 ECS performance requirements for the threat set and proposed design concepts, program management plan, IMS, and risks for the 5.0.1 computer program development.

BMD 5.0.1 ECS Working Group

Participate in and provide support to the BMD 5.0.1 ECS Working Group. This support includes:

- Attendance at BMD 5.0.1 ECS Working Group meetings
- Generate QIRs to address/resolve BMD 5.0.1 ECS requirements issues and TBS/TBD/TBRs
- Develop ECS requirements recommendations for inclusion in the BMD 5.0.1 ECS
- Conduct analysis supporting BMD 5.0.1 ECS requirements recommendations and response to BMD 5.0.1 ECS Working Group action items assigned to LM
- Collaborate with the B5 Baseline Management Team for development of Operational View (OV) and System View (SV)

Engagement Trade Studies and Analysis

Conduct trade studies, performance and functional analysis for the following Engagement areas.

- Develop and provide specific study plans and study results, and Conceptual Design Documentation to support ECS / SCN development

Mission Planner Performance Analysis

Conduct performance and functional analysis to support the government in defining BMD 5.0.1 requirements for 5.0.1 BMD Mission Planner with allocations to lower tier specifications.

- Develop and provide specific study plans and initial study results, and Conceptual Design Documentation to support BMD 5.0.1 ECS / SCN development

In-Process Review (IPR)

Support an IPR to be conducted prior to the end of CY10. The primary purpose of the BMD 5.0.1 IPR will be to conduct an assessment of the requirements maturity of the BMD 5.0.1 ECS and review the plan to complete the work remaining prior to SRR.

- Collaborate with the B5 Baseline Management Team to develop specific IPR criteria and agenda
- Develop briefings for requirements feasibility, performance analysis, conceptual design, closure plans for critical path items needed prior to SRR (Q2/Q3FY11), and other topics as appropriate

Additional System Engineering tasks and other technical areas of focus

- Provide recommendations, and identify technical and programmatic risks
- Via B5, coordinate BMDS integration activities applicable to BMD 5.0.1 with MDA/AB B33 and B3D
 - Provide system engineering support of technical interchange meetings between Aegis BMD and other BMDS elements to update BMDS architecture assumptions supporting interface requirements definition applicable to BMD 5.0.1
 - Review and comment on BMD 5.0.1 Spec documents
 - Support external working groups to ensure Aegis BMD 5.0.1 interoperability with BMDS
- Coordinate activities with MDA/AB B5 to initiate, plan and execute a series of government-industry Technical Interchange Meetings (TIM) as required.
- Initiate additional system studies as required to support BMD 5.0.1 ECS / A-Spec requirements development and feasibility activities
- Provide a concept design strategy for BMD 5.0.1 that would adapt to SPY1D(Mod), SPY1D(V), and SPY1B(V) with one "superset" program

Non-CDRL Deliverables

- BMD 5.0.1 Program Management Plan
- Briefings in support of an IPRQIRs in support of ECS working group
- White Papers as required

G. Program Management and Administration

Provide for the overall management, planning, scheduling and execution of all efforts described in this technical instruction. The contractor shall perform resource estimates as required.

H. Amplifying Information

None.

II. Budget Ceiling

The following constraints are imposed upon the Contractor. The estimated dollar amount for the cost of this projected effort is (b)(4). This effort will be completed by 31 March 2011. The total man-hours to be provided (including subcontractors) is (b)(4) man-hours, the phasing of costs and potential award fee by fiscal year is:

CLIN	<u>FY10</u>	<u>FY11</u>	<u>TOTAL</u>
0025	(b)(4)		
*Award Fee			
Total			

*Potential Award Fee

Incremental Contract Funding Information

Task Manager: (b)(6)

Lockheed Martin Manager: (b)(6)

Contract	Date	FY\$	Appn	Cost \$ Amount	Fee \$* Amount	Total \$ Amount	ACRN	Funding Source
P000/CLIN 0025	Funded							
(b)(4)								
Total				(b)(4)				

*Potential Award Fee

Distribution:

MDA/AB D (b)(6)
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SER: AB-D/EATI1127

30 September 2010

AEGIS BMD TECHNICAL INSTRUCTION NO. 25-05 (LM 554) US-UK Sea-Based Missile Defense, Initial

From: Program Director, Aegis Ballistic Missile Defense Programs

To: Lockheed Martin MS2
Attn: (b)(6)
199 Borton Landing Road
P.O. Box 1027
Mail Stop 127-307
Moorestown, NJ 08057-0927

Via: DCMA Naval Sea System Operations
Attn: Administrative Contracting Officer
199 Borton Landing Road
Mail Stop 127-133
Moorestown, NJ 08057

Subj: US-UK Sea-Based Missile Defense (CLIN-0025)

1. In the issuance of this instruction, it is the understanding of the Aegis BMD Program Manager that implementation of these requirements is within the scope of Contract HQ0276-10-C-0001. In the event Lockheed Martin MS2 feels implementation of this technical instruction exceeds the scope of the contract, Lockheed Martin MS2 will notify the Contracting Officer's Representative, (b)(6), MDA/AB D114, and the Contracting Officer in writing within two weeks after receipt and will take no action pursuant to this instruction.
2. This Technical Instruction (TI) is issued to establish the effort for this contract.

AEGIS BMD - TECHNICAL INSTRUCTION
25-05 (LM 554) US-UK Sea-Based Missile Defense

US-UK Sea-Based Missile Defense

AEGIS BMD - TECHNICAL INSTRUCTION NO. 25-05 (LM 554)

CONTRACT HQ0276-10-C-0001

Approved:

Approved:

(b)(6)



I. Program Implementation

1. INTRODUCTION

A. Overview

This TI defines the effort required to support United Kingdom (UK) Missile Defence Centre (MDC) and Missile Defense Agency's (MDA) Project Phase Plan which is related to theater missile defense activities. This work would contribute to developing an indigenous capability that could be used to support future North Atlantic Treaty Organization (NATO) architectures or other missile defense architectures.

B. Program Schedule

The period of performance for this TI is inception through 30 September 2011.

The following key events will be conducted:

- o Technical Interchange Meeting (TIM) - Nov 2010
- o BMD Workshop #2 - Feb 2011
- o TIM - Jun 2011

C. Material Requirements

None

D. Information Requirements

The following information will be provided to Lockheed Martin by MDA/AB-I:

- UK Threat trajectories/scenarios selected by the UK; These will be provided to Lockheed Martin within 2 days of receipt from the UK
- UK Link-16 data; these will be provided to Lockheed Martin within 2 days of receipt from the UK

E. Contract Data Requirements

As specified in contract.

F. Scope of Work

A. Integration Definition: Estimate System Tracking Errors

1. The contractor shall provide the USG with modeling and simulation derived information exchange requirements and tracking error budget requirements to support an Aegis BMD launch on Type 45 modeling capability
2. Investigate, define and develop Type 45 system alignment methods and propose implementation to support BMD Long Range Search & Track (LRS&T) and engagement operations with the Aegis BMD

B. Modeling and Simulation: Identify Joint time phased Constructive Simulation and Hardware in the Loop (HWIL) activities

1. Develop a time phased plan to achieve demonstration of UK test objectives
2. Develop plans for Type 45 participation in cooperative opportunities to reduce risk or leverage other engineering and learning opportunities

C. Trials Planning: Develop demonstration plan and programmatic schedule

1. Develop plans to identify resources, facilities, personnel, schedule, and material requirements for successful participation
2. Identify opportunities in the MDA test schedule for US/UK test

3. Develop Test Objective Plan

4. Develop US-UK data analysis plan

D. Communications Requirements: Develop communication ability to support US/UK interoperability

1. Provide support in the definition of parameters and implementation of specific space track messages required to support Test Plan

E. Platform Integration

1. Provide support in developing Doctrine, Operations, Training, Leadership, Personnel, and Facilities modifications or requirements necessary to integrate a Type 45 BMD capability for joint and coalition operations

F. Threat and Scenario Definition using information derived from US/UK threat data models: Refine UK defined threat trajectories and scenario development

1. Address anomaly in current UK Radar Cross Section (RCS) data
2. Use threat trajectories in modeling and simulation Monte Carlo runs to determine ability of SAMPSON radar to track threat sufficiently to support engagement, either organically or as an engage-on remote or launch-on remote sensor track

G. Evaluation of UK Sensor contribution to BMDS

1. Review current work and goals of program to assist in identification of meaningful, measurable metrics that capture the contribution of the UK asset to the BMDS
2. Develop radar resource brief and present findings at the US/UK BMD Workshop#2

G. Program Management and Administration

Provide for the overall management, planning, scheduling and execution of all efforts described in this TI.

H. Amplifying Information

1. This effort does not include the cost of operation for the NSCC or CSEDS site for the entire period of this effort. It is assumed that this support is or will be furnished under separate contract.

2. The estimated hours requirement will be reviewed periodically and adjusted accordingly for:

Variances caused by events like unforeseen material procurements or other non-labor impacts to the estimated hourly rate

AEGIS BMD - TECHNICAL INSTRUCTION
25-05 (LM 554) US-UK Sea-Based Missile Defense

II. Budget Ceiling

The following constraints are imposed upon the Contractor. The estimated dollar amount for the cost of this projected effort is (b)(4). This effort will be completed by 30 September 2011. The total man-hours to be provided (including subcontractors) are (b)(4) and the costs and potential award fee by fiscal year are:

	TOTAL
Cost	(b)(4)
*Award Fee	
Total	

*Potential Award Fee

AEGIS BMD - TECHNICAL INSTRUCTION
25-05 (LM 554) US-UK Sea-Based Missile Defense

Incremental Contract Funding Information

Task Manager: (b)(6)

Lockheed Martin Manager: (b)(6)

Contract P000/CLIN	Date Funded	FY\$	Appn	Cost \$ Amount	Fee \$* Amount	Total \$ Amount	ACRN	Funding Source
(b)(4)								
Total				(b)(4)				

*Potential Award Fee

AEGIS BMD - TECHNICAL INSTRUCTION
25-05 (LM 554) US-UK Sea-Based Missile Defense

Distribution:

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DCMA (b)(6)
TechRep (b)(6)



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SER:AB-D/EATI1145

22 November 2010

AEGIS BMD FY11 TECHNICAL INSTRUCTION NO. 25-06 (LM 586) FY11
Dahlgren Operations, Revision 1

From: Program Executive, Aegis Ballistic Missile Defense Programs

To: Lockheed Martin MS2
Attn: (b)(6)
199 Borton Landing Road
P.O. Box 1027
Mail Stop 127-307
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Via: DCMA Naval Sea System Operations
Attn: Administrative Contracting Officer
199 Borton Landing Road
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Moorestown, NJ 08057

Subj: Aegis BMD FY11 Dahlgren Operations Technical Instruction
(CLIN-0025)

1. In the issuance of this instruction, it is the understanding of the Aegis BMD Program Manager that implementation of these requirements is within the scope of Contract HQ0276-10-C-0001. In the event Lockheed Martin MS2 feels implementation of this technical instruction exceeds the scope of the contract, Lockheed Martin MS2 will notify the Contracting Officer's Representative, (b)(6) MDA/AB D114, and the Contracting Officer in writing within two weeks after receipt and will take no action pursuant to this instruction.
2. This technical instruction revision is issued to add scope in 1.0 Dahlgren Site Support for 2011 Pathfinder's meeting increasing NTE budget by (b)(4) increasing the budget by (b)(4) from (b)(4) to (b)(4) Aegis BMD Technical Instruction 25-06 (LM 586) Dahlgren Operations, Initial is hereby superseded.

TECHNICAL INSTRUCTION 25-06

CONTRACT HQ0276-10-C-0001

Approved:

Approved:

Approved:

(b)(6)



I. Program Implementation

1. INTRODUCTION

A. Overview

B. Program Schedule

- The period of performance for this TI is 01 October 2010 through 30 September 2011.

C. Material Requirements

D. Information Requirements

E. Contract Data Requirements

As specified in the contract.

F. Scope of Work

The Contractor shall provide efforts to support Dahlgren Operations. The Contractor shall participate on various teams and working groups with MDA/AB, MDA, and Industry Partners as directed by the Aegis BMD Program Office. The Contractor shall perform tasks to support:

1.0 Dahlgren Site Support (NTE: (b)(4))

Tasks:

- Facilitate communications between Lockheed Martin (LM) MS2 and AB staff by providing day-to-day presence with the Aegis BMD program office
- Attend AB staff meetings and IPT meetings as appropriate
- Provide coordination for LM Aegis BMD program reviews and for business and technical meetings; manage

associated logistics and facility support; document meeting minutes and capture, promulgate, track, and report action items to closure

- Provide liaison for delivery of proprietary and time sensitive data and materials between LM MS2 and MDA AB; update and maintain Aegis BMD Business Ops SharePoint site
- Provide coordination with the MDA AB Trusted Agent for LM employee CAC card verification and CAC card requests
- Coordinate onsite LM facility utilization at Dahlgren and Crystal City in support of MDA AB meetings (e.g. business meetings, strategy meetings, AMOD/ACB12 joint meetings)
- Provide per-event and event day coordination and support for the 2011 Pathfinders meeting in Crystal City, VA

Travel: Four (4) domestic quarterly business review meeting support trips to Moorestown, Crystal City or Dahlgren; two (2) domestic program review trips to Moorestown

Deliverables: Meeting minutes and action items (within 7 business days of event)

2.0 Flight Test Mission Documentation (NTE:

(b)(4)

Tasks:

- Pre-mission:
- Develop animation and 3D models for pre-flight mission video/graphic products
- Provide picture/image/graphic support for flight mission logo development and scenario cartoons
- Conduct planning for video production and video template development of post mission products
- Participate in, and support (including video products), T&E event planning meetings, scenario certification reviews, and mission control panel (MCP)
- Plan and coordinate Video/Media Team efforts
- Mission:
- Film and photograph T&E events leading up to Mission Day for each test event
- Develop camera plans and media data management plan for each Mission Day
- Post-mission:

- Develop/produce/replicate/distribute unclassified flight mission video on DVD for MDA AB/B4
- Support PAO media requirements for BMD firing events
- Support production and editing of classified flight test mission videos
- Catalogue products into media library
- Maintain a BMD historical/planning testing schedule for MDA AB/B4

FY11 Events:

1. JFTM-4 (Event Date: October 2010)
2. FTX-16 (Event Date: November 2010)
3. Atlantic Blitz (Event Date: January 2011)
4. FTM-16 (Event Date: March 2011 Trackex/June 2011 Firing Event)
5. FTM-15 (Event Date: April 2011)
6. FTM-19 (1Q FY12) - pre-mission tasks only

Travel: Domestic travel to support four (4) test events

Deliverables:

- Video and photo documentation of pre-mission and mission day operations in support of DMAP requirements
- Unclassified post mission campaign video and replications on DVD to MDA AB/B4
- Flight Mission and Test Event logos for MDA AB/B4
- "T&E Farewell" graphic/video package upon MDA AB/B4 request
- Flight test mission historical/planning schedule updates to MDA AB/B4

3.0 MDA AB/D Strategic Communications Support (NTE:

(b)(4)

Tasks:

- a. Multimedia Development/Production
 - Develop and produce Aegis BMD Program/Flight Testing video products for MDA AB presentations
 - Develop, produce, and replicate DVD's for MDA AB/D public affairs handouts at conferences and at "special" public days at the Aegis BMD office in Dahlgren
 - Provide support to edit/develop classified presentations as requested

- Develop special graphics to support MDA AB presentations; provide picture / image / graphic support as requested
 - Provide Aegis BMD public released video to MDA AB/D in support of the MDA Exhibit
 - Maintain the Aegis BMD media library; catalog and store media (photo and video)
- b. On-call to support MDA AB/D and MDA AB/B4 urgent requests (Fire drills)
1. Video editing/production of Program/Flight Mission video
 2. Video conversions for presentation materials
 3. DVD replication of unclassified and public release video
 4. Presentation scenario graphics
 5. Classified presentation and video editing

Deliverables:

- Flight mission BMD firing event animation to MDA PAO on DVD/Betacam
- Flight mission BMD firing event scenario video to MDA, MDA AB/D and MDA AB/B4 for VIP/foreign national presentation prior to test events
- Aegis BMD testing and flight mission video for MDA AB presentations
- Requested video/photos maintained in the media library to MDA AB
- Flight mission/test events video DVD handouts to MDA AB/D

4.0 BMD Conference Support (NTE: (b)(4))

Task: Provide technical support/liaison at specified BMD conferences. Summarize briefings, key observations, and discussions relevant to the Aegis BMD portfolio in a post-event report. Contractor shall contact MDA/AB-D five (5) days prior to each event for specific instructions.

Events:

1. Surface Navy Association, January 2011, Crystal City VA
2. AIAA 9th Annual Missile Defense Conference, March 2011, Washington DC
3. Navy League Sea Air Space Conference, May 2011, Washington DC

4. AAAF, May 2011, San Sebastian, Spain
5. RUSI, May 2011, London
6. SMDC, August 2011, Huntsville AL
7. Surface Navy Association, August 2011, San Diego CA
8. AIAA Multinational Missile Defense Conference, Sep 2011, Europe

Travel: Five domestic and three international conference trips

Deliverables: Post-event trip report within 7 business days of event completion to MDA/AB-D.

G. Program Management and Administration (NTE: (b)(4))

Provide for the overall management, planning, scheduling and execution of all efforts described in this TI. The contractor shall perform resource estimates as required.

II. Budget Ceiling

The following constraints are imposed upon the Contractor. The estimated dollar amount for the cost of this projected effort is (b)(4). This effort will be completed by 30 September 2011. The total estimated hours to be provided (including subcontractors) is (b)(4) hours using a burdened wrap rate of (b)(4) the phasing of costs and potential award fee by fiscal year is:

CLIN	FY11	TOTAL
0025	(b)(4)	
*Award Fee		
Total		

*Potential Award Fee

Incremental Contract Funding Information

Task Manager: (b)(6)

Lockheed Martin Manager: (b)(6)

Contract P000/CLIN	Date Funded	FY\$	Appn	Cost \$ Amount	Fee \$* Amount	Total \$ Amount	ACRN	Funding Source
(b)(4)								
Total				(b)(4)				

*Potential Award Fee

AEGIS BMD FY11 TECHNICAL INSTRUCTION
25-06 (LM 586) FY11 Dahlgren Operations, Revision 1

Distribution:

MDA/AB (b)(6)
MDA/B3
MDA/AB B31 (b)(6)
MDA/AB B4
MDA/AB B5
MDA DACG (b)(6)
MDA/DOV (b)(6)
DCMA (b)(6)
TechRep (b)(6)



DEPARTMENT OF DEFENSE
MISSILE DEFENSE AGENCY
AEGIS BALLISTIC MISSILE DEFENSE
17211 AVENUE D, SUITE 160
DAHLGREN, VA 22448-5148

7000

SER:AB-D/EATI1139

01 November 2010

AEGIS BMD FY11 TECHNICAL INSTRUCTION NO. 25-07 (LM 582) MMSP for
Baseline 4 Cruisers, Initial

From: Program Executive, Aegis Ballistic Missile Defense Programs

To: Lockheed Martin MS2
Attn: (b)(6)
199 Borton Landing Road
P.O. Box 1027
Mail Stop 127-307
Moorestown, NJ 08057-0927

Via: DCMA Naval Sea System Operations
Attn: Administrative Contracting Officer
199 Borton Landing Road
Mail Stop 127-133
Moorestown, NJ 08057

Subj: MMSP for Baseline 4 Cruisers Technical Instruction (CLIN-
0025)

1. In the issuance of this instruction, it is the understanding of the Aegis BMD Program Manager that implementation of these requirements is within the scope of Contract HQ0276-10-C-0001. In the event Lockheed Martin MS2 feels implementation of this technical instruction exceeds the scope of the contract, Lockheed Martin MS2 will notify the Contracting Officer's Representative, (b)(6) MDA/AB D114, and the Contracting Officer in writing within two weeks after receipt and will take no action pursuant to this instruction.
2. This technical instruction is issued to establish FY11 efforts.

**Multi-Mission Signal Processor for Baseline 4 Cruisers
(CLIN-0025)**

TECHNICAL INSTRUCTION TI 25-07

CONTRACT HQ0276-10-C-0001

Approved:

Approved:

Approved:

(b)(6)



II. Budget Ceiling

The following constraints are imposed upon the Contractor. The estimated dollar amount for the cost of this projected effort is (b)(4). This effort will be completed by 31 March 2011. The total estimated hours to be provided (including subcontractors) is (b)(4) hours using a burdened wrap rate of (b)(4) the phasing of costs and potential award fee by fiscal year is:

CLIN	<u>FY11</u>	<u>TOTAL</u>
0025	(b)(4)	
*Award Fee		
Total		

*Potential Award Fee

AEGIS BMD FY11 TECHNICAL INSTRUCTION
25-07 (LM 582) MMSP for Baseline 4 Cruisers

Incremental Contract Funding Information

Task Manager: (b)(6)

Lockheed Martin Manager: (b)(6)

Contract P000/CLIN	Date Funded	FY\$	Appn	Cost \$ Amount	Fee \$* Amount	Total \$ Amount	ACRN	Funding Source
(b)(4)								
Total				(b)(4)				

*Potential Award Fee

Distribution:

MDA/AB D (b)(6)
MDA/B3 (b)(6)
MCA/AB B31 (b)(6)
MDA/AB B4
MDA/AB B5
MDA DACG (
MDA/DOV (b)(6)
DCMA (b)(6)
TechRep (b)(6)
PEO IWS 2.0 (b)(6)



**DEPARTMENT OF DEFENSE
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AEGIS BALLISTIC MISSILE DEFENSE**
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SER:AB-E/EATI1083
07 June 2010

AEGIS BMD FY10 TECHNICAL INSTRUCTION NO. 26-01 (LM 454) Ship Int
REVISION 3

From: Program Director, Aegis Ballistic Missile Defense Programs

To: Lockheed Martin MS2
Attn: (b)(6)
199 Borton Landing Road
P.O. Box 1027
Mail Stop 127-307
Moorestown, NJ 08057-0927

Via: DCMA Naval Sea System Operations
Attn: Administrative Contracting Officer
199 Borton Landing Road
Mail Stop 127-133
Moorestown, NJ 08057

Subj: AEGIS BMD Ship Integration and Integrated Logistics Support
and Services (CLIN 0026)

1. In the issuance of this instruction, it is the understanding of the Aegis BMD Program Manager that implementation of these requirements are within the scope of Contract HQ0276-10-C-0001. In the event Lockheed Martin MS2 feels implementation of this technical instruction exceeds the scope of the contract, Lockheed Martin MS2 will notify the Contracting Officer's Representative, (b)(6) MDA/AB C13, and the Contracting Officer, (b)(6) MDA/DACG in writing within two weeks after receipt and will take no action pursuant to this instruction.
2. This TI revision is issued to extend the period of performance from 30 June 2010 to 31 July 2010, and to adjust the program schedule for CG 61 TACOPS Training, and for administrative changes.

TECHNICAL INSTRUCTION 26-01

CONTRACT HQ0276-10-C-0001

Approved:

Approved:

Approved:

(b)(6)



I. Program Implementation

1. INTRODUCTION

A. Overview

As authorized under this technical instruction, the Contractor shall provide Program Management, System Engineering, Production Engineering and Logistics Engineering, as required, following established Aegis BMD System Engineering Management Practices, to support Ship Integration and Test, ILS and Training efforts for Aegis BMD Baseline BLK04 (3.6.x).

B. Program Schedule

- The period of performance for this TI is 1 October 2009 through 31 July 2010.

The following key events will be conducted:

CG61 SRA Start	10/2009
CG72 SRA Start	10/2009
CG 61 Systems Training	11/2009 (tentative)
CG 72 Systems Training	11/2009 (tentative)
CG 72 Equipment Training	12/2009
CG 72 SRA End	12/2009
CG 72 TACOPS Training	01/2010 (tentative)
ILS IPT #1	01/2010
CG 61 Equipment Training	02/2010 (tentative)
CG61 SRA End	06/2010
CG 61 TACOPS Training	07/2010
ILS IPT#2	04/2010
4.0.1 Installation Conf.	05/2010

C. Material Requirements

Items required in support of this effort include Contractor Purchased Material (CPM), and Government Furnished Equipment (GFE). When either specific COTS and/or military equipment can not be used, procurement of vendor numbered parts are to be authorized as required.

The following CPM items may be required in support of this effort:

1. Terminals, computers, and associated equipment necessary to prepare, execute and conduct installation training.
2. Purchase of material and equipment necessary to deliver CG 61/72 end item products, including spare requirements.

GFE items necessary to complete this effort are identified in the contract.

It is not anticipated that Special Test Equipment (STE) will be required to complete the CLIN. In the event that STE is required MDA/AB B6 will be contacted for approval prior to purchase.

D. Information Requirements

The Government Furnished Information (GFI) that is required to complete this effort is identified in the contract.

Work in process copies of specific documentation should be submitted as requested and as informational transmittals to support events and reviews.

E. Contract Data Requirements

1. Contract Data Requirements identified under CLIN 26 CDRL list

F. Scope of Work

In the role as CSEA, the contractor shall be responsible for all efforts necessary for completion of the tasks outlined within this Technical Instruction (TI). This TI effort shall consist of ship integration including logistics and training requirements. This TI effort also includes the delivery of in process BMD 3.6.1 material/equipment, initiated under previous contracts, in support of installations aboard the CG 72 and CG 61.

The specific tasks included in this effort are:

1. Program Management and Administration Support Services

Provide for the overview planning, scheduling, and execution of all efforts detailed in this TI scope, including the efforts of all subcontractors. Specific areas of management responsibilities include configuration management, quality management, logistics, and reporting to MDA/AB. The Contractor shall perform resource estimates as required to ensure the successful execution of the tasks outlined within the scope of this TI.

Provide engineering services and ensure staffing is on plan and within cost objectives. Identify technical and programmatic risks to ensure satisfactory completion of program objectives. Verify expenditure plans to contract requirements. Provide overall management of Government Furnished Equipment (GFE) supporting this effort. Maintain status of contract performance. Conduct Reviews as required to assess progress against program objectives and milestones. Coordinate Events to support BMD Ship Installation Training. Monitor and facilitate the preparation and delivery of required documentation. Provide direct customer interaction through participation in working groups and management teams.

The contractor shall be required to attend biweekly BMD ship installation teleconferences and quarterly BMD ship integration working groups that are held to status management, financial, equipment deliveries, installation training and integrated logistics plans, products, and milestones. The Contractor shall support these meetings so that schedules can be reviewed and impacts to current schedules can be addressed as installation windows change.

The contractor shall develop and maintain planning program schedules that indicate events and milestones.

2. BMD Baseline System Engineering Support

The Contractor shall provide system engineering support for BMD 3A.6/3.6 combat systems as required for shipboard integration and training efforts during this TI's period of performance.

3. BMD Shipboard Combat System Integration

As the CSEA, the Contractor is responsible, for the generation of and /or comments on various change documentation and installation material necessary for configuration management of the BMD 3A.6.1 and 3.6.1 combat systems. .

a. BMD 3A/3.6.1 Equipment Production and Delivery

The contractor shall produce and deliver all BMD 3A.6.1 and BMD 3.6.1 equipment in which it is responsible for to the CG72 and CG61. Production and delivery of this equipment shall be in accordance with all applicable MDA, DOD, Navy, and Naval Modernization Program (NMP) standards. This task shall be performed in a manner to ensure the successful implementation of the BMD 3A/3.6.1 combat systems during their scheduled and approved installation period. Notional Installation/Test Windows are:

CG 72 (OCT 09-DEC 09/BAE Systems Norfolk)
CG 61 (OCT 09-MAR 10/BAE Systems Norfolk)

In addition, the contractor will support assessment of Mission Planner Laptops, already delivered to the Government, to ensure laptop configuration is compatible with Operating Environment (OE). The contractor shall make recommendations on how to proceed if the configuration is incompatible with the OE and will support implementation of fixes.

b. Alteration Fatal Flaw Review and Comment

The Contractor shall also be tasked to provide fatal flaw comments for other conjunctive and significant alterations that may occur in the development and fielding of BMD 3.6.1 and 3A.6.1. These alterations could include, but are not limited to CDLMS, JTT, REAP, ORTSNET, RBC Replacement, CDCS, BMD training improvements, etc.

4. BMD Shipboard System Checkout in support of Training Certification

During the period of performance of this TI, one CG will be receiving the BMD 3.6.1 baseline and one CG will be receiving the BMD 3A.6.1 baseline.

The Contractor shall provide the required personnel needed to support the BMD 3.6.1 and 3A.6.1 load and cycle of the computer programs and combat system assessments in support of training and eventual certification.

5. BMD Integrated Logistics Support (BMD 3.6.1/3A.6.1 or UPDATES)

a. Technical Documentation:

The Contractor shall be responsible for the development and delivery of both maintenance and operator manuals to NSWC PHD that are required for the support of the BMD 3A.6.1 and 3.6.1 (and subsequent updates) combat systems for CG 61/72.

b. BMD Configuration Definition Document Generation:

The contractor shall be responsible for the generation and maintenance of BMD combat system Configuration Definition Documents (CDD) for the BMD 3.6.1 and 3A.6.1 baselines, and any subsequent revisions. The baseline CDD shall be released for review, comment, and comment adjudication. Each baseline CDD will provide for a top level description of the BMD baseline on that target platform.

i. BMD 3.6.1 CDD for DDGs

The contractor shall develop and release for review, comment, and adjudication a CDD to detail the installation of BMD 3.6.1 aboard the DDG53-56, DDG59-DDG65, DDG67-70, and DDG73-DDG77.

ii. BMD 3A/3.6.1 CDD for CGs

The contractor shall develop and release for review, comment, and adjudication a CDD to detail the installation of BMD 3.6.1 aboard the CG61, CG67, CG72, and CG73.

c. COTS Health Assessment:

The Contractor will monthly monitor the end of sale, end of support dates for the COTS equipment utilized in the BMD 3A.6.1 and 3.6.1, systems. The contractor will provide recommendations to the program office through periodic reports and presentations for life of type buy strategies for production and sparing for each target BMD baseline. Such assessments should be made quarterly at the ILS IPT, or as requested by MDA/AB B6.

d. Training:

i. BMD 3.6.1 Training:

The BMD 3A.6.1/3.6.1 training package consists of pipeline training updates that include course updates, CSCS site activation and applicable technical documentation as well as interactive multimedia instruction proficiency and the installation training package. In addition the contractor shall provide and support installation training for ship crews, and training for maintenance, fleet and joint staffs. These training packages will be developed to support sustained operation and maintenance of the AEGIS BMD unique equipment and computer programs.

The Contractor shall furnish BMD 3A.6.1/3.6.1 installation and crew training for the USS MONTEREY (CG61) and USS VELLA GULF (CG72) in accordance with the current installation schedules and in coordination with CSCS and NSWC PHD. The Contractor shall support development and execution of train the trainer as required for these platforms during potential windows of opportunity at CSEDS and other events for BMD 3A/3.6.1 as required.

6. Other Ship Integration and Integrated Logistics Support
(as tasked)

a. This TI includes efforts necessary to initiate ship integration and ILS updates. Efforts include initial engineering/logistics studies and scope definition. Specific activities include:

- ILS Management Plan updates
- Configuration Status Accounting updates
- BMD 3.6.1 TM revisions, Operating Manuals review and comment
- Sparing/supply support recommendations
- Maintenance documentation updates
- Provisioning updates
- Technical Data Package development

A TI modification will be initiated to complete additional effort.

7. BMD 4.0.1 Pre-Planning

- a. Contractor shall conduct BMD 4.0.1 pre-planning installation efforts and plan to include AIT/Shipyard work spec breakouts, logistics/material planning, ship checks.
- b. Support planning conferences, as necessary.

G. Program Management and Administration

As specified in the contract..

H. Amplifying Information

No additional required.

II. Budget Ceiling

The following constraints are imposed upon the Contractor. The estimated dollar amount for the cost of this projected effort is (b)(4). This effort will be completed by 31 July 2010. The estimated total man-hours to be provided (including subcontractors) is (b)(4) man-hours, the phasing of costs and potential award fee by fiscal year is:

CLIN	<u>FY10</u>	<u>TOTAL</u>
0026	(b)(4)	
*Incentive Fee		
Total		

*Award Fee for CLIN 0026		
CLIN	<u>FY10</u>	<u>TOTAL</u>
0027	(b)(4)	
Total		

*Potential Award/Incentive Fee

Incremental Contract Funding Information

Task Manager: (b)(6)

Lockheed Martin Manager: (b)(6)

Contract P000/CLIN 0026	Date Funded	FY\$	Appn	Cost \$ Amount	Fee Amount	Total \$ Amount	ACRN	Funding Source
(b)(4)								
Total				(b)(4)				

Contract P000/CLIN 0027	Date Funded	FY\$	Appn	Fee* Amount	ACRN	Funding Source
(b)(4)						
Total				(b)(4)		

*Potential Award Fee

AEGIS BMD FY10 TECHNICAL INSTRUCTION
26-01 (LM 454) Ship Int REVISION 3

Distribution:

MDA/AB C1 (b)(6)
MDA/AB B3
MDA/AB B31
MDA/AB B4
MDA/AB B5
MDA/AB B6
MDA DACG (b)(6)
MDA/DOV (b)(6)
DCMA (b)(6)
TechRep (b)(6)



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SER:AB-E/EATI1069

07 June 2010

AEGIS BMD FY10 TECHNICAL INSTRUCTION NO. 26-02 (LM 526) Ship
Integration: BMD 4.0.1 Technical Data Package

From: Program Director, Aegis Ballistic Missile Defense Programs

To: Lockheed Martin MS2

Attn: (b)(6)

199 Borton Landing Road

P.O. Box 1027

Mail Stop 127-307

Moorestown, NJ 08057-0927

Via: DCMA Naval Sea System Operations

Attn: Administrative Contracting Officer

199 Borton Landing Road

Mail Stop 127-133

Moorestown, NJ 08057

Subj: AEGIS BMD 4.0.1 Ship Integration TDP Efforts (CLIN 0026)

1. In the issuance of this instruction, it is the understanding of the Aegis BMD Program Manager that implementation of these requirements are within the scope of Contract HQ0276-10-C-0001. In the event Lockheed Martin MS2 feels implementation of this technical instruction exceeds the scope of the contract, Lockheed Martin MS2 will notify the Contracting Officer's Representative, (b)(6) MDA/AB C13, and the Contracting Officer, (b)(6) MDA/DACG in writing within two weeks after receipt and will take no action pursuant to this instruction.
2. This TI is issued to develop BMD 4.0.1 Shipboard Technical Data Package necessary to support LKE test events and the additional East Coast 4.0.1 DDGs PR-11, and picks up funding from P00021. The work performed under this TI is a Non-CDRL deliverable.

TECHNICAL INSTRUCTION 26-02

CONTRACT HQ0276-10-C-0001

Approved:

Approved:

Approved:

(b)(6)



I. Program Implementation

1. INTRODUCTION

A. Overview

As authorized under this technical instruction, the Contractor shall provide Program Management, System Engineering, and Ship Integration efforts, as required, following established Aegis BMD System Engineering Management Practices, to support the development of the BMD 4.0.1 Shipboard TDP.

B. Program Schedule

- The period of performance for this TI is inception through 28 February 2011.

The following key events will be conducted:

SCD 9301 TDP start	5/2010
SIWG IPT#2	5/2010
TDP Ship Check	7/2010
SCD 9301 Initial TDP Release	9/2010
SIWG IPT#3	9/2010
LM-PY Reading Session	Complete 11/2010
SCD 9301 Final TDP Release	2/2011
SID Validation Shipcheck	

C. Material Requirements

Items required in support of this effort may include Contractor Purchased Material (CPM), and Government Furnished Equipment/Information (GFE). When either specific COTS and/or military equipment cannot be used, procurement of vendor numbered parts is to be authorized as required.

GFE items necessary to complete this effort are identified in the contract.

It is not anticipated that Special Test Equipment (STE) will be required to complete the CLIN. In the event that STE is required MDA/AB B6 will be contacted for approval prior to purchase.

D. Information Requirements

The Government Furnished Information (GFI) that is required to complete this effort is identified in the contract.

Work in process copies of specific documentation should be submitted as requested and as informational transmittals to support events and reviews.

E. Contract Data Requirements

1. Contract Data Requirements identified under CLIN 26
CDRL list

F. Scope of Work

In the role as CSEA, the contractor shall be responsible efforts necessary for completion of the tasks outlined within this Technical Instruction (TI). The TI effort shall consist of ship integration efforts necessary to develop and deliver Technical Data Package supporting SCD 9301 for outfitting additional East Coast DDGs, not previously updated with BMD 3.6 capability, to BMD 4.0.1.

The specific tasks included in this effort are:

1. Program Management and Administration Support Services

Provide for the overview planning, scheduling, and execution of all efforts detailed in this TI scope, including the efforts of all subcontractors. Specific areas of management responsibilities include configuration management, quality management, and reporting to MDA/AB. The Contractor shall perform resource estimates as required to ensure the successful execution of the tasks outlined within the scope of this TI.

Provide engineering services and ensure staffing is on plan and within cost objectives. Identify technical and programmatic risks to ensure satisfactory completion of program objectives. Verify expenditure plans to contract requirements. Conduct Reviews as required to assess progress against program objectives and milestones. Coordinate Events to support BMD Ship Installation Training. Monitor and facilitate the preparation and

delivery of required documentation. Provide direct customer interaction through participation in working groups and management teams.

The contractor shall be required to attend biweekly BMD ship installation teleconferences and quarterly BMD ship integration working groups that are held to status management, financial, equipment deliveries, installation training and integrated logistics plans, products, and milestones. The Contractor shall support these meetings so that schedules can be reviewed and impacts to current schedules can be addressed as installation windows change.

The contractor shall develop and maintain planning program schedules that indicate events and milestones.

2. Ship Integration Efforts. In accordance with the MDA/AB B6 approved installation schedules, LM will provide ship integration efforts needed to produce installation technical documentation necessary to install BMD 4.0.1 on east coast DDGs that have not previously had BMD installed with the major difference being room arrangements associated with the universal NGP configuration. Ship Change Document 9301 has been identified as the vehicle in executing the change.

In addition LM will develop ship installation documentation and a TDP for a non permanent change to permit VOM/KAS testing prior to test events. This change encompasses changes that can be left on board between test events (ie. Foundations, cables), thus requiring minimal installation efforts just prior to the test event.

The following efforts apply:

The Contractor shall perform those tasks required to develop the requisite BMD Technical Data Packages (TDP) in support of SHIPALT/TEMPALT development in support of BMD tactical/test programs to meet execution milestones. These tasks shall include the proper inspection and cataloging of the TDP target platforms as required to ensure proper TDP design is achieved. The Contractor will

G. Amplifying Information

No additional required.

II. Budget Ceiling

The following constraints are imposed upon the Contractor. The estimated dollar amount for the cost of this projected effort is \$1,205,980. This effort will be completed by 28 February 2011. The estimated total man-hours to be provided (including subcontractors) is 7,820 man-hours. The phasing of costs and potential award fee by fiscal year is:

CLIN	<u>FY10</u>	<u>TOTAL</u>
0026	(b)(4)	
*Incentive Fee		
Total		

*Award Fee for CLIN 0026	
CLIN	(b)(4)
0027	
Total	

*Potential Award/Incentive Fee

AEGIS BMD FY10 TECHNICAL INSTRUCTION
26-02 (LM 526) Ship Integration: 4.0.1 TDP

Incremental Contract Funding Information

Task Manager: (b)(6)

Lockheed Martin Manager: (b)(6)

Contract P000/CLIN 0026	Date Funded	FY\$	Appn	Cost \$ Amount	Fee Amount	Total \$ Amount	ACRN	Funding Source
(b)(4)								
Total				(b)(4)				

Contract P000/CLIN 0027	Date Funded	FY\$	Appn	Fee* Amount	ACRN	Funding Source
(b)(4)						
Total				(b)(4)		

*Potential Award Fee

AEGIS BMD FY10 TECHNICAL INSTRUCTION
26-02 (LM 526) Ship Integration: 4.0.1 TDP

Distribution:

MDA/AB C1 (b)(6)

MDA/AB AD

MDA/AB B3

MDA/AB B31

MDA/AB B4

MDA/AB B5

MDA/AB B6

MDA DACG

MDA/DOV

DCMA (b)(6)

TechRep (b)(6)



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SER:AB-D/EAT11158

20 December 2010

AEGIS BMD FY10 TECHNICAL INSTRUCTION NO. 26-03 (LM 553) Ship
Integration: Integrated Life Cycle Support, Revision 1

From: Program Executive, Aegis Ballistic Missile Defense Programs

To: Lockheed Martin MS2
Attn: (b)(6)
199 Borton Landing Road
P.O. Box 1027
Mail Stop 127-307
Moorestown, NJ 08057-0927

Via: DCMA Naval Sea System Operations
Attn: Administrative Contracting Officer
199 Borton Landing Road
Mail Stop 127-133
Moorestown, NJ 08057

Subj: AEGIS BMD Integrated Life Cycle Support Efforts (CLIN 0026)

1. In the issuance of this instruction, it is the understanding of the Aegis BMD Program Manager that implementation of these requirements are within the scope of Contract HQ0276-10-C-0001. In the event Lockheed Martin MS2 feels implementation of this technical instruction exceeds the scope of the contract, Lockheed Martin MS2 will notify the Contracting Officer's Representative, (b)(6) MDA/AB D114, and the Contracting Officer, (b)(6) MDA/DACG in writing within two weeks after receipt and will take no action pursuant to this instruction.
2. This TI revision is issued to extend the period of performance to 28 February 2011 using existing budget ceiling, and for administrative changes. Aegis BMD Technical Instruction 26-03, Initial is hereby superseded.

AEGIS BMD FY10 TECHNICAL INSTRUCTION
26-03 (LM 553) Aegis BMD Integrated Life Cycle Support, Revision
1

AEGIS BMD Integrated Life Cycle Support

TECHNICAL INSTRUCTION 26-03 (LM 553) 4.0.1 Integrated Life Cycle
Support

CONTRACT HQ0276-10-C-0001

Approved:

Approved:

Approved:

A handwritten signature in black ink, appearing to be "JBR", is written over the "Approved:" label.

(b)(6)

A large rectangular area of the document is redacted with a solid light gray fill. The redaction covers the majority of the right half of the page, starting from the top right and extending down to the bottom right. The text "(b)(6)" is printed in the top left corner of this redacted area.

I. Program Implementation

1. INTRODUCTION

A. Overview

As authorized under this technical instruction, the Contractor shall provide system engineering, program management and other efforts, as required, following established Aegis System Engineering practices, in support of Life Cycle sustainment efforts for Aegis BMD Baseline 3.6.1 and Aegis BMD Baseline 4.0.1

B. Program Schedule

- The period of performance for this TI is inception through 28 February 2011.

C. Material Requirements

Items required in support of this effort may include Contractor Purchased Material (CPM), and Government Furnished Equipment/Information (GFE). When either specific COTS and/or military equipment cannot be used, procurement of vendor numbered parts is to be authorized as required.

GFE items necessary to complete this effort are identified in the contract.

It is not anticipated that Special Test Equipment (STE) will be required to complete the CLIN. In the event that STE is required MDA/AB B6 will be contacted for approval prior to purchase.

D. Information Requirements

The Government Furnished Information (GFI) that is required to complete this effort is identified in the contract.

Work in process copies of specific documentation should be submitted as requested and as informational transmittals to support events and reviews.

E. Contract Data Requirements

In accordance with the contract.

F. Scope of Work

In the role as CSEA, the contractor shall be responsible for efforts necessary for completion of the tasks outlined within this Technical Instruction (TI). The TI effort shall consist of ship integration efforts necessary to develop and deliver Technical Data Package supporting SCD 9301 for outfitting additional East Coast DDGs, not previously updated with BMD 3.6 capability, to BMD 4.0.1.

The specific tasks included in this effort are:

1. Program Management and Administration Support Services

Provide for the overview planning, scheduling, and execution of all efforts detailed in this TI scope, including the efforts of all subcontractors. Specific areas of management responsibilities include configuration management, quality management, and reporting to MDA/AB. The Contractor shall perform resource estimates as required to ensure the successful execution of the tasks outlined within the scope of this TI.

Provide engineering services and ensure staffing is on plan and within cost objectives. Identify technical and programmatic risks to ensure satisfactory completion of program objectives. Verify expenditure plans to contract requirements. Conduct Reviews as required to assess progress against program objectives and milestones. Coordinate Events to support life cycle support activities. Monitor and facilitate the preparation and delivery of required documentation. Provide direct customer interaction through participation in working groups and management teams.

The contractor shall be required to attend biweekly BMD ship installation teleconferences and quarterly BMD ship integration/ILS working groups that are held to status management, financial, equipment deliveries, installation training and integrated logistics plans, products, and milestones. The Contractor shall support

these meetings so that schedules can be reviewed and impacts to current schedules can be addressed as installation windows change.

The contractor shall develop and maintain planning program schedules that indicate events and milestones.

2. Integrated Logistic Support Efforts.

- Provide Supportability Engineering and Planning for the BMD 4.0.1 Baseline configurations including
 - ILS Management Plan/ILS Plan
 - Preventive and Corrective Maintenance Analysis
 - Planned Maintenance System (PMS) (Maintenance Index Pages (MIP) and Maintenance Requirements Cards (MRC))
 - Support to ISEA in Proof-In and revision of the PMS/MRC, as required
 - Support and Test Equipment Analysis
- Provide Provisioning and Modeling Support including
 - Consolidated Spares List
- Provide Training Development and Support including
 - Updated/modified Interactive Courseware in support of scheduled classes beginning Jan 2011
- Provide COTS and Obsolescence Management including
 - DMS Case Management
 - COTS Modeling for Lifecycle Support
 - COTS and LRU Availability and Supplier Viability
 - End of sale, End of support dates
 - Life of Type Buy Strategies for Production and Sparing
 - Market Trend Analysis
 - Hardware Selection Process
 - Parts Control System Database
 - COAR Reports
 - COTS Health and Obsolescence
 - COTS Refresh Strategy
- Provide WEDOC Supply Support including
 - Interim Supply Support will be provided for the deliveries of BMD unique parts and equipment **(Only when Material is considered to be GFE)** until transitioned to the Supply System.
 - Inventory Management including Backorder, Repair Trends, Requisition Volumes
 - Pack and Ship

- Provide Cost and Affordability Engineering including
 - o Cost Analysis Reports
 - Life Cycle Cost Estimates
 - Total Cost of Owner ship
 - o Cost Estimating Models
 - Life Cycle costs
 - Technology Insertion
 - DMS resolution
 - Manning concepts
- Support efforts consistent with ILS Certification for the Baseline prior to Production ship deployment and Training certified in time for the Crews for Production ships to be trained at ATRC

G. Program Management and Administration

As specified in the contract.

H. Amplifying Information

No additional required.

AEGIS BMD FY10 TECHNICAL INSTRUCTION**26-03 (LM 553) Aegis BMD Integrated Life Cycle Support, Revision 1****II. Budget Ceiling**

The following constraints are imposed upon the Contractor. The estimated dollar amount for the cost of this projected effort is (b)(4). This effort will be completed by 28 February 2011. The estimated total man-hours to be provided (including subcontractors) is (b)(4) man-hours, the phasing of costs and potential award fee by fiscal year is:

CLIN	<u>FY10</u>	<u>FY11</u>	<u>TOTAL</u>
0026	(b)(4)		
*Incentive Fee			
Total			

		*Award Fee for CLIN 0026	
CLIN	<u>FY10</u>	<u>FY11</u>	<u>TOTAL</u>
0027	(b)(4)		
Total			

*Potential Award/Incentive Fee

AEGIS BMD FY10 TECHNICAL INSTRUCTION

26-03 (LM 553) Aegis BMD Integrated Life Cycle Support, Revision 1

Incremental Contract Funding Information

Task Manager: (b)(6)

Lockheed Martin Manager: (b)(6)

Contract P000/CLIN 0026	Date Funded	FY\$	Appn	Cost \$ Amount	Fee \$* Amount	Total \$ Amount	ACRN	Funding Source
(b)(4)								
Total				(b)(4)				

Contract P000/CLIN 0027	Date Funded	FY\$	Appn	Fee \$* Amount	ACRN	Funding Source
(b)(4)						
Total				(b)(4)		

*Potential Award
Fee

AEGIS BMD FY10 TECHNICAL INSTRUCTION

**26-03 (LM 553) Aegis BMD Integrated Life Cycle Support, Revision
1**

Distribution:

MDA/AB D (b)(6)
MDA/AD (b)(6)
MDA/AB B3 (b)(6)
MDA/AB B31
MDA/AB B4
MDA/AB B5
MDA/AB B6
MDA/DOV (b)(6)
MDA DACG (b)(6)
DCMA (b)(6)
TechRep (b)(6)



**DEPARTMENT OF DEFENSE
MISSILE DEFENSE AGENCY
AEGIS BALLISTIC MISSILE DEFENSE**
17211 AVENUE D, SUITE 160
DAHLGREN, VA 22448-5148

7000
Ser: AB-E/EATI1082
28 May 2010

AEGIS BMD TECHNICAL INSTRUCTION NO. 100-01 (LM 522) 4.0.1 Installs
Effort, Revision 1

From: Program Executive, Aegis Ballistic Missile Defense Programs

To: Lockheed Martin MS2
Attn: (b)(6)
199 Borton Landing Road
P.O. Box 1027
Mail Stop 127-307
Moorestown, NJ 08057-0927

Via: DCMA Naval Sea System Operations
Attn: Administrative Contracting Officer
199 Borton Landing Road
Mail Stop 127-133
Moorestown, NJ 08057

Subj: AEGIS BMD Ship Integration and Integrated Logistics Support
and Services

1. In the issuance of this instruction, it is the understanding of the Aegis BMD Program Manager that implementation of these requirements are within the scope of Contract HQ276-10-C-0001. In the event Lockheed Martin MS2 feels implementation of this technical instruction exceeds the scope of the contract, Lockheed Martin MS2 will notify the Contracting Officers' Representative, (b)(6), MDA/AB C13, and the Contracting Officer in writing within two weeks after receipt and will take no action pursuant to this instruction.
2. This Basic TI is issued to pick up P00020 funding decrease by (b)(4) Aegis BMD Technical Instruction 100-01 (LM 522) Initial is hereby superceded.

AEGIS BMD FY10 TECHNICAL INSTRUCTION
100-01 (LM 522) 4.0.1 Installs Revision 1

AEGIS BMD Ship Integration and Integrated Logistics Support and
Services

TECHNICAL INSTRUCTION 100-01 (LM 522) 4.0.1 Installs Effort

CONTRACT HQ276-10-C-0001

Approved:

Approved:

Approved:

(b)(6)



AEGIS BMD FY10 TECHNICAL INSTRUCTION
100-01 (LM 522) 4.0.1 Installs Revision 1

I. Program Implementation

1. INTRODUCTION

A. Overview

This Level of Effort (LOE) Technical Instruction (TI) provides the Aegis BMD Baseline 4.0.1 program management activities and procurement of long-lead materials for the ISSP Modifications, ORDALT 74380, and ECW Modifications, ORDALT 74379, for FY11 CG installation and planning for Ship Integration and Logistics.

B. Program Schedule

The period of performance for this TI is 26 April 2010 through 30 June 2011.

C. Material Requirements

The Contractor shall provide required modification kit(s), for the procurement of the ISSP Modifications and the ECW Modifications for FY11 CG installation. The Contractor shall provide Contractor Purchased Material as necessary.

D. Information Requirements

Not applicable

E. Contract Data Requirements

In accordance with contract.

F. Scope of Work

- Manage procurement of long-lead materials for the ISSP and ECW modifications kits for FY11 CG.
- Provide documentation as required
- Verify expenditure plans to contract requirements
- Provide overall management and planning of Contractor Furnished Equipment (CFE) required to support the effort
- Provide technical status as requested
- Coordinate Events to support Ship Installations
- Monitor and facilitate the preparation and delivery of required documentation

AEGIS BMD FY10 TECHNICAL INSTRUCTION
100-01 (LM 522) 4.0.1 Installs Revision 1

II. Budget Ceiling

The following constraints are imposed upon the Contractor. The estimated dollar amount for the cost of this projected effort is (b)(4). This effort will be completed by 30 June 2011. The estimated total man-hours to be provided are (b)(4) at rate of (b)(4) hour. Estimated material costs of this effort are (b)(4). The phasing of costs and potential award fee by fiscal year:

CLIN	FY10	TOTAL
0100	(b)(4)	
*Award Fee		
Total		

*Award Fee for CLIN 0100	
CLIN	(b)(4)
0103	
Total	

*Potential Award/Incentive Fee

AEGIS BMD FY10 TECHNICAL INSTRUCTION
100-01 (LM 522) 4.0.1 Installs Revision 1

Task Manager: (b)(6)

Lockheed Martin Manager: (b)(6)

Incremental Funding Table

Contract P000/CLIN 0100	Date Funded	FY\$	Appn	Cost \$ Amount	Fee Amount	Total \$ Amount	ACRN	Funding Source
(b)(4)								
TOTALS				(b)(4)				

Contract P000/CLIN 00103	Date Funded	FY\$	Appn	Fee* Amount	ACRN	Funding Source
(b)(4)						
TOTALS				(b)(4)		

*Potential Award Fee

AEGIS BMD FY10 TECHNICAL INSTRUCTION
100-01 (LM 522) 4.0.1 Installs Revision 1

Distribution:

MDA/AB C1	(b)(6)
MDA/AD	(b)(6)
MDA/AB B3	(b)(6)
MDA/AB B31	
MDA/AB B4	
MDA/AB B5	
MDA/AB B6	
MDA DACG (
MDA/DOV	(b)(6)
DCMA	(b)(6)
TechRep	(b)(6)



DEPARTMENT OF DEFENSE
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17211 AVENUE D, SUITE 160
DAHLGREN, VA 22448-5148

7000

Ser: AB-D/EATI1110

10 August 2010

AEGIS BMD TECHNICAL INSTRUCTION NO. 100-02 (LM 544) 4.0.1 ISSP Kits.

From: Program Executive, Aegis Ballistic Missile Defense Programs

To: Lockheed Martin MS2
Attn: (b)(6)
199 Borton Landing Road
P.O. Box 1027
Mail Stop 127-307
Moorestown, NJ 08057-0927

Via: DCMA Naval Sea System Operations
Attn: Administrative Contracting Officer
199 Borton Landing Road
Mail Stop 127-133
Moorestown, NJ 08057

Subj: AEGIS BMD Ship Integration and Integrated Logistics Support
and Services

1. In the issuance of this instruction, it is the understanding of the Aegis BMD Program Manager that implementation of these requirements are within the scope of Contract HQ0276-10-C-0001. In the event Lockheed Martin MS2 feels implementation of this technical instruction exceeds the scope of the contract, Lockheed Martin MS2 will notify the Contracting Officers' Representative, (b)(6) MDA/AB D114, and the Contracting Officer in writing within two weeks after receipt and will take no action pursuant to this instruction.
2. This Basic TI is issued to define efforts, under CLIN 0100, necessary to field and support ABMD configurations. Specifically, efforts under this base TI consist of program management and procurement of In-Service Signal Processor modifications, ORDALT 74830, for 2 DDG 4.0.1 installations.

**AEGIS BMD FY10 TECHNICAL INSTRUCTION
100-02 (LM 544) 4.0.1 ISSP Kits**

**AEGIS BMD Ship Integration and Integrated Logistics Support and
Services**

TECHNICAL INSTRUCTION 100-02 (LM 544) 4.0.1 Installs Effort

CONTRACT HQ0276-10-C-0001

Approved:

Approved:

Approved:

(b)(6)



AEGIS BMD FY10 TECHNICAL INSTRUCTION
100-02 (LM 544) 4.0.1 ISSP Kits

I. Program Implementation

1. INTRODUCTION

A. Overview

This Level of Effort (LOE) Technical Instruction (TI) provides the Aegis BMD Baseline 4.0.1 program management activities and procurement of In-Service Signal Processor modifications, ORDALT 74830, for 2 DDG 4.0.1 installations in FY12.

B. Program Schedule

The period of performance for this TI is inception through 30 June 2012. The following DDGs require ORDALT 74830 30 days prior to ship availability start date:

DDG 64 Start	04/11/2012
DDG 75 Start	07/18/2012

C. Material Requirements

The Contractor shall provide required modification kit(s), for the procurement of the ISSP Modifications for two (2) DDG 4.0.1 installations. The Contractor shall provide Contractor Purchased Material as necessary.

D. Information Requirements

Not applicable

E. Contract Data Requirements

In accordance with contract.

F. Scope of Work

- Manage procurement of materials, production labor, factory testing and kitting for the ISSP modification kits.
- Provide documentation as required
- Verify expenditure plans to contract requirements
- Provide overall management and planning of Contractor Furnished Equipment (CFE) required to support the effort
- Provide technical status as requested

AEGIS BMD FY10 TECHNICAL INSTRUCTION
100-02 (LM 544) 4.0.1 ISSP Kits

- Monitor and facilitate the preparation and delivery of required documentation

II. Budget Ceiling

The following constraints are imposed upon the Contractor. The estimated dollar amount for the cost of this projected effort is (b)(4). This effort will be completed by 30 June 2012. The estimated total man-hours to be provided are (b)(4) at rate of (b)(4) hour. Estimated material costs of this effort are (b)(4). The phasing of costs and potential award fee by fiscal year:

CLIN	<u>FY10</u>	<u>FY11</u>	<u>FY12</u>	<u>TOTAL</u>
0100	(b)(4)			
*Incentive Fee				
Total				

		*Award Fee for CLIN 0100		
CLIN	<u>FY10</u>	<u>FY11</u>	<u>FY12</u>	<u>TOTAL</u>
0103	(b)(4)			
Total				

*Potential Award/Incentive Fee

AEGIS BMD FY10 TECHNICAL INSTRUCTION
100-02 (LM 544) 4.0.1 ISSP Kits

Task Manager: (b)(6)

Lockheed Martin Manager: (b)(6)

Incremental Funding Table

Contract P000/CLIN 0100	Date Funded	FY\$	Appn	Cost \$ Amount	Fee Amount	Total \$ Amount	ACRN	Funding Source
(b)(4)								
Total				(b)(4)				

Contract P000/CLIN 00103	Date Funded	FY\$	Appn	Fee* Amount	ACRN	Funding Source
(b)(4)						
Total				(b)(4)		

*Potential Award Fee

AEGIS BMD FY10 TECHNICAL INSTRUCTION
100-02 (LM 544) 4.0.1 ISSP Kits

Distribution:

MDA/AB D	(b)(6)
MDA/AD	(b)(6)
MDA/AB B31	(b)(6)
MDA/AB B5	
MDA/AB B6	
MDA DACG	(b)(6)
MDA/DOV	
DCMA	(b)(6)
TechRep	(b)(6)



DEPARTMENT OF DEFENSE
MISSILE DEFENSE AGENCY
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17211 AVENUE D, SUITE 160
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7000
SER:AB-E/EATI1175
02 February 2011

AEGIS BMD TECHNICAL INSTRUCTION NO. 102-01 (LM 463) Japan Computer Program Test Site (JCPTS) JABMD Upgrade, Revision 9

From: Program Executive, Aegis Ballistic Missile Defense Programs

To: Lockheed Martin MS2
Attn: (b)(6)
199 Borton Landing Road
P.O. Box 1027
Mail Stop 127-307
Moorestown, NJ 08057-0927

Via: DCMA Naval Sea System Operations
Attn: Administrative Contracting Officer
199 Borton Landing Road
Mail Stop 127-133
Moorestown, NJ 08057

Subj: Japan Computer Program Test Site (JCPTS) JABMD Upgrade
(CLIN-0102)

FMS Case: JA-P-CAM

1. In the issuance of this instruction, it is the understanding of the Aegis BMD Program Manager that implementation of these requirements is within the scope of Contract HQ0276-10-C-0001. In the event Lockheed Martin MS2 feels implementation of this technical instruction exceeds the scope of the contract, Lockheed Martin MS2 will notify the Contracting Officer's Representative, (b)(6) MDA/AB D114, and the Contracting Officer in writing within two weeks after receipt and will take no action pursuant to this instruction.
2. This technical instruction revision is issued to update the budget ceiling and funding table to reflect the de-obligation of unearned award fee on P00040 and to make administrative changes. Aegis BMD Technical Instruction 102-01 (LM 463) Japan Computer Program Test Site (JCPTS) JABMD Upgrade, Rev. 8 is hereby superseded.

AEGIS BMD - TECHNICAL INSTRUCTION
102-01 (LM 463) JCPTS, Revision 9

Japan Computer Program Test Site (JCPTS) JABMD Upgrade

AEGIS BMD - TECHNICAL INSTRUCTION NO. 102-01 (LM 463)

CONTRACT HQ0276-10-C-0001

Approved:

(b)(6)

I. Program Implementation

1. INTRODUCTION

A. Overview

This TI defines the effort required to deliver a limited Japan Aegis Ballistic Missile Defense (JABMD) upgrade to the Japan Computer Program Test Site (JCPTS) in Yokosuka, Japan, under FMS Case JA-P-CAM including MK 133 processor cabinet, Mission Planner and SCUS laptops to support the BMD capability and an ACSIS computer suite to execute both J3 AAW and JABMD functions.

B. Program Schedule

The period of performance for this TI is 1 October 2009 through 28 February 2011.

The following key events will be conducted:

TRR	Apr 2010
SAT	May 2010
CPAP	Jul 2010
ALO	Jul 2010
SW INCO	Jul 2010

C. Material Requirements

Items required in support of this effort may include incidental Contractor Purchased Material (CPM). It may be necessary to purchase CPM as part of this effort and it will be purchased under Contract HQ0276-10-C-0001. When either specific commercial off the shelf (COTS) material and/or military equipment cannot be used, procurement of vendor numbered parts are to be authorized as required.

D. Information Requirements

None

E. Contract Data Requirements

As specified in contract.

F. Scope of Work

The contractor shall continue development of the ACSIS software for JCPTS to upgrade current equipment suite configuration including current ACSIS modification for BMD capability. In addition, the contractor shall ship cable, hardware material items, and documentation in support of the conduct of hardware and software installation and checkouts (INCO) at JCPTS. Hardware installation assistance including removal of current equipment and installation of new BMD and ACSIS hardware and cabling from Japan Maritime Self Defense Force (JMSDF) shall be determined by mutual discussion and agreement with expected completion prior to contractor conducting ALO in June 2010. The contractor shall continue development of Program Requirements Document (PRD) for 6 elements: Mission Planner, SCUS, C&D, C&D/A, WCS and ADS. The JCPTS ACSIS computer programs shall be inspected by the cognizant DCMA Representative and accepted by the Japan Aegis BMD Technical Representative for MDA/ABI via DD250 following completion of a System Acceptance Test (SAT) and a Computer Program Acceptance Panel (CPAP). The contractor shall procure the system clock emulator hardware with associated cabling. The contractor shall integrate and install hardware, perform checkout, and update documentation as applicable for JCPTS. The contractor shall also provide an update to the Rack Based Console (RBC) site configuration to provide an automated computer program switching capability at JCPTS.

G. Program Management and Administration

Provide for the overall management, planning, scheduling and execution of all efforts described in this Technical Instruction.

H. Amplifying Information

1. This effort does not include the cost of operation for the NSCC or CSEDS site for the entire period of this effort. It is assumed that this support is or will be furnished under separate contract.

2. The estimated hours requirement will be reviewed periodically and adjusted accordingly for:

Variances caused by events like unforeseen material procurements or other non-labor impacts to the estimated hourly rate

II. Budget Ceiling

The following constraints are imposed upon the Contractor. The estimated dollar amount for the cost of this projected effort is (b)(4). This effort will be completed by 28 February 2011. The total man-hours to be provided (including subcontractors) are (b)(4) and the costs and potential award fee by fiscal year are:

	TOTAL
	(b)(4)
*Award Fee	
Total	

*Potential Award Fee

Incremental Contract Funding Information

Task Manager: (b)(6)

Lockheed Martin Manager: (b)(6)

Contract P000/CLIN	Date Funded	FY\$	Appn	Cost \$ Amount	Fee \$* Amount	Total \$ Amount	ACRN	Funding Source
(b)(4)								

*Potential Award Fee

AEGIS BMD - TECHNICAL INSTRUCTION
102-01 (LM 463) JCPTS, Revision 9

Distribution:

MDA/AB D114 (b)(6)

MDA/AB I (b)(6)

MDA DACG (b)(6)

DCMA (b)(6)

TechRep (b)(6)



DEPARTMENT OF DEFENSE
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AEGIS BALLISTIC MISSILE DEFENSE
17211 AVENUE D, SUITE 160
DAHLGREN, VA 22448-5148

7000

SER: AB-D/EATI1176

02 February 2011

AEGIS BMD TECHNICAL INSTRUCTION NO. 102-02 (LM 464) Japanese Flight Test Mission-3(JFTM-3) System Performance Verification, Revision 6

From: Program Executive, Aegis Ballistic Missile Defense Programs

To: Lockheed Martin MS2
Attn: (b)(6)
199 Borton Landing Road
P.O. Box 1027
Mail Stop 127-307
Moorestown, NJ 08057-0927

Via: DCMA Naval Sea System Operations
Attn: Administrative Contracting Officer
199 Borton Landing Road
Mail Stop 127-133
Moorestown, NJ 08057

Subj: Japanese Flight Test Mission-3 (JFTM-3) System Performance Verification (CLIN-0102)
FMS Case: JA-P-LVK

1. In the issuance of this instruction, it is the understanding of the Aegis BMD Program Manager that implementation of these requirements is within the scope of Contract HQ0276-10-C-0001. In the event Lockheed Martin MS2 feels implementation of this technical instruction exceeds the scope of the contract, Lockheed Martin MS2 will notify the Contracting Officer's Representative, (b)(6), MDA/AB D114, and the Contracting Officer in writing within two weeks after receipt and will take no action pursuant to this instruction.
2. This technical instruction is issued to update the budget ceiling and funding table to reflect the de-obligation of unearned award fee on P00040 and to make administrative changes. Aegis BMD Technical Instruction 102-02 LM 464 JFTM-3 System Performance Verification Revision 5 is hereby superseded.

**Japanese Flight Test Mission-3 (JFTM-3) System Performance
Verification**

AEGIS BMD TECHNICAL INSTRUCTION 102-02 (LM 464)

CONTRACT HQ0276-10-C-0001

Approved

(b)(6)



I. Program Implementation

1. INTRODUCTION

A. Overview

As support for the completion of JS MYOKO's JABMD Upgrade, this Technical Instruction (TI) provides all tasks required for the pre-mission and post mission analytical support for the JABMD JFTM-3 and FTX-06 as provided under FMS Case JA-P-LVK.

B. Program Schedule

The period of performance for this TI is 1 October 2009 through 30 May 2010.

C. Material Requirements

No material requirements are anticipated in support of this effort.

D. Information Requirements

No information requirements are anticipated in support of this effort.

E. Scope of Work

The contractor shall support JABMD system engineering analysis efforts, pre/post-mission support, and completion of Waterfront Integration Testing (WIT) as related to the JFTM-3 mission. This includes two TrackEx events, two AAW intercept events and the interception of a Medium Range Target (MRT) and engineering technical assistance. These efforts also include performance prediction analysis conducted using MEDUSA, SSTRESS and NTWSIM as required, event planning support, participation in related joint U.S. and Japan working groups, reviews and panels, and shipboard engineering support during the JS MYOKO underways and at-sea events. The contractor shall also provide data reduction

analysis support as part of the system engineering efforts. The contractor shall analyze and report AWS data performance using Mercury and other analysis tools as required to assess Aegis BMD performance for JFTM-3 and FTX-06 events.

F. Contract Data Requirements

As specified in the contract.

G. Program Management and Administration

Provide for the overall planning, scheduling and execution of all efforts described in this Technical Instruction, including the efforts of all subcontractors. Specific areas of management responsibilities are specified in Contract HQ0276-10-C-0001.

H. Amplifying Information

1. This effort does not include the cost of operation for the NSCC or CSEDS site for the entire period of this effort. It is assumed that this support is or will be furnished under separate contract.

2. The estimated hours requirement will be reviewed periodically and adjusted accordingly for:

Variances caused by events like unforeseen material procurements or other non-labor impacts to the estimated hourly rate

3. The authorized foreign recipients are as follows:

The Japan Ministry of Defense, as represented by the Maritime Staff Office (MSO), all offices and divisions, 5-1 Ichigaya Honmura-cho, Shinjuku-ku Tokyo, 162-8801 Japan.

MITSUBISHI HEAVY INDUSTRIES, LTD., (MHI) with offices at Nagasaki Shipyard & Machinery Works, 1-1 Akunoura-Machi Nagasaki 850-0063, Japan.

UNIVERSAL SHIPBUILDING CORPORATION (USC), with offices at 1180, Amarube-shimo Maizuru, Kyoto 625-8501 Japan.

AEGIS BMD TECHNICAL INSTRUCTION

102-02 (LM 464) JFTM-3 System Performance Verification, Revision 6

FURUNO Electric Ltd., with offices at 9-52 Ashihara-cho, Nishinomiya, Hyogo, Japan.

II. Budget Ceiling

The following constraints are imposed upon the Contractor. The estimated dollar amount for the cost of this projected effort is (b)(4). This effort will be completed by 30 May 2010. The total man-hours to be provided (including subcontractors) are (b)(4) and costs and potential award fee by fiscal year are:

	TOTAL
	(b)(4)
*Award	
Fee	
Total	

*Potential Award Fee

Incremental Contract Funding Information

Task Manager: (b)(6)

Lockheed Martin Manager: (b)(4)

Contract P000/CLIN	Date Funded	FY\$	Appn	Cost \$ Amount	Fee \$* Amount	Total \$ Amount	ACRN	Funding Source
(b)(4)								

*Potential Award Fee

AEGIS BMD TECHNICAL INSTRUCTION

102-02 (LM 464) JFTM-3 System Performance Verification, Revision 6

Distribution:

MDA/AB D (b)(6)

MDA/AB I

MDA DACG

DCMA (b)(6)



DEPARTMENT OF DEFENSE
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AEGIS BALLISTIC MISSILE DEFENSE
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SER:AB-D/EATI1177
02 February 2011

AEGIS BMD FY10 TECHNICAL INSTRUCTION NO. 102-03 (LM 468) JABMD JS
KONGO Class Support, Revision 5

From: Program Executive, Aegis Ballistic Missile Defense Programs

To: Lockheed Martin MS2
Attn: (b)(6)
199 Borton Landing Road
P.O. Box 1027
Mail Stop 127-307
Moorestown, NJ 08057-0927

Via: DCMA Naval Sea System Operations
Attn: Administrative Contracting Officer
199 Borton Landing Road
Mail Stop 127-133
Moorestown, NJ 08057

Subj: JABMD JS KONGO Class Support
(CLIN-0102)
FMS Case: JA-P-LVK

1. In the issuance of this instruction, it is the understanding of the Aegis BMD Program Manager that implementation of these requirements is within the scope of Contract HQ0276-10-C-0001. In the event Lockheed Martin MS2 feels implementation of this technical instruction exceeds the scope of the contract, Lockheed Martin MS2 will notify the Contracting Officer's Representative, (b)(6) MDA/AB D114, and the Contracting Officer in writing within two weeks after receipt and will take no action pursuant to this instruction.
2. This Technical Instruction revision is issued to add additional scope to modify MK683, add (b)(4) in budget ceiling, and to update the budget ceiling and funding table to reflect the de-obligation of unearned award fee on P00040 and to make administrative changes. Aegis BMD Technical Instruction 102-03, Revision 4 is hereby superseded.

JABMD JS KONGO Class Support

AEGIS BMD TECHNICAL INSTRUCTION 102-03 (LM 468)

CONTRACT HQ0276-10-C-0001

Approved:

(b)(6)



Approved:

I. Program Implementation

1. INTRODUCTION

A. Overview

This Technical Instruction (TI) provides for JABMD JS KONGO Class Support efforts related to the JABMD program which will be performed under the HQ0276-10-C-0001 contract.

B. Program Schedule

The period of performance for this TI is 1 October 2009 through 30 June 2011.

C. Material Requirements

None

D. Information Requirements

None

E. Scope of Work

a. Conduct preliminary planning studies, develop Technical Instructions, Task Requirements, provide Price and Availability (P&A) data and/or Rough Order of Magnitude (ROM) estimates, as requested, in addition to contract proposals, in support of JABMD programs as directed by the Contracting Officer or designated Contracting Officer's Representative (COR).

- b. Provide systems engineering in support of JABMD computer program design and development. Participate in studies and perform analysis in support of JABMD efforts.
- c. Provide engineering and management liaison services with country defense offices and MDA/ABI.
- d. Perform initial planning and design approaches, trade studies and cost analyses in support of future JABMD upgrades and development efforts.
- e. Perform VLS studies, preparations, investigations, design, code and testing including ship visits and installs for the following tasks:
 - 1) SAASM 3.3 data analysis & test report
 - 2) VGI Tech Manual updates
 - 3) Three (3) VGI Key Loading STRs
 - 4) Trap Code 512 Investigation aboard JS MYOKO
- f. Modify MK683 Mod 4 Integrated Test Sets in accordance with Engineering Change Proposal (ECP) MVLS2-3862 "MK 683 Overvoltage Protection (OVP) Technical Data Package (TDP) Update". The units to be modified are S/N 044553 and S/N 044554.

F. Program Management and Administration

Provide for the overall management, planning, scheduling and execution of all efforts described in this Technical Instruction. The contractor shall perform resource estimates as required.

G. Amplifying Information

- 1. This effort does not include the cost of operation for the NSCC or CSEDS site for the entire period of this effort. It is assumed that this support is or will be furnished under separate contract.
- 2. The estimated hours requirement will be reviewed periodically and adjusted accordingly for:

Variances caused by events like unforeseen material procurements or other non-labor impacts to the estimated hourly rate

II. Budget Ceiling

The following constraints are imposed upon the Contractor. The estimated dollar amount for the cost of this projected effort is (b)(4). This effort will be completed by 30 June 2011. The total man-hours to be provided (including subcontractors) are (b)(4) man-hours, and the costs and potential award fee by fiscal year are:

	TOTAL
	(b)(4)
*Award	
Fee	
Total	

*Potential Award Fee

Incremental Contract Funding Information

Task Manager: (b)(6)

Lockheed Martin Manager: (b)(6)

Contract	Date	FY\$	Appn	Cost \$	Fee \$*	Total \$	ACRN	Funding
P000/CLIN	Funded			Amount	Amount	Amount		Source
(b)(4)								

*Potential Award Fee

AEGIS BMD TECHNICAL INSTRUCTION

102-03 (LM 468) JABMD JS MYOKO Support, Revision 5

Distribution:

MDA/AB D114 (b)(6)

MDA/AB I (b)(6)

MDA DACG

DCMA (b)(6)

TechRep (b)(6)



DEPARTMENT OF DEFENSE
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SER: AB-D/EATI1178
02 February 2011

AEGIS BMD TECHNICAL INSTRUCTION NO. 102-04 (LM 467) System
Engineering Support for the Netherlands SBMD, Revision 6

From: Program Executive, Aegis Ballistic Missile Defense Programs

To: Lockheed Martin MS2
Attn: (b)(6)
199 Borton Landing Road
P.O. Box 1027
Mail Stop 127-307
Moorestown, NJ 08057-0927

Via: DCMA Naval Sea System Operations
Attn: Administrative Contracting Officer
199 Borton Landing Road
Mail Stop 127-133
Moorestown, NJ 08057

Subj: System Engineering Support for the Netherlands SBMD (CLIN-0102)

FMS Case: NE-P-GLK

1. In the issuance of this instruction, it is the understanding of the Aegis BMD Program Manager that implementation of these requirements is within the scope of Contract HQ0276-10-C-0001. In the event Lockheed Martin MS2 feels implementation of this technical instruction exceeds the scope of the contract, Lockheed Martin MS2 will notify the Contracting Officer's Representative, (b)(6) MDA/AB D114, and the Contracting Officer in writing within two weeks after receipt and will take no action pursuant to this instruction.
2. This technical instruction revision is to update the budget ceiling and funding table to reflect the de-obligation of unearned award fee on P00040 and to make administrative changes. Aegis BMD Technical Instruction 102-04 (467) Revision 5 is hereby superseded.

AEGIS BMD TECHNICAL INSTRUCTION
102-04 (LM 467) Netherlands SBMD, Revision 6

System Engineering Support for the Netherlands SBMD

AEGIS BMD TECHNICAL INSTRUCTION 102-04 (LM 467)

CONTRACT HQ0276-10-C-0001

Approved

(b)(6)



I. Program Implementation

1. INTRODUCTION

A. Overview

The objectives and scope of this TI are to provide system engineering, data analysis, and weapon system trade studies in support of MDA/ABI for their interaction with the Royal Netherlands Navy (RNLN) related to participation in BMD, under FMS Case NE-P-GLK.

B. Program Schedule

The period of performance for this TI is 1 October 2009 to 25 April 2010.

C. Material Requirements

Contractor Purchased Material (CPM) is not required.

D. Information Requirements

The following Government Furnished Information (GFI) will be provided.

MDA/ABI will provide information about the Dutch SBMD (Sea-Based BMD) requirements and capabilities to the extent permitted by existing agreements.

E. Scope of Work

System Engineering Support to Dutch SBMD

Provide support for MDA/ABI system engineering needs on The Netherlands' SBMD Program

Provide Program Management and Systems Engineering support to MDA/ABI during the RNLN SBMD Feasibility Study.

Support PMRs and TIMs as required by MDA/AB I.

Conduct analysis and prepare briefings as directed.

F. Program Management and Administration

Provide for the overall management, planning, scheduling and execution of all efforts described in this Technical Instruction. The contractor shall perform resource estimates as required.

G. Amplifying Information

This effort does not include the cost of operation for the NSCC or CSED site for the entire period of this effort. It is assumed that this support is or will be furnished under separate contract.

II. Budget Ceiling

The following constraints are imposed upon the Contractor. The estimated dollar amount for the cost of this projected effort is (b)(4). This effort will be completed by 25 April 2010. The total man-hours to be provided (including subcontractors) are (b)(4) and the costs and potential award fee are:

	TOTAL
Cost	(b)(4)
*Award Fee	
Total	

*Potential Award Fee

Incremental Contract Funding Information

Task Manager: (b)(6)

Lockheed Martin Manager: (b)(6)

Contract P000/CLIN	Date Funded	FY\$	Appn	Cost \$ Amount	Fee \$* Amount	Total \$ Amount	ACRN	Funding Source
(b)(4)								

*Potential Award Fee

AEGIS BMD TECHNICAL INSTRUCTION
102-04 (LM 467) Netherlands SBMD, Revision 6

Distribution:

MDA/AB D

(b)(6)

MDA/AB I

MDA DACG

DCMA

TechRep

(b)(6)

(b)(6)



DEPARTMENT OF DEFENSE
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SER: AB-D/EATI1179

02 February 2011

AEGIS BMD TECHNICAL INSTRUCTION NO. 102-05 (LM 469) Japan Air Defense Ground Environment (JADGE) Interface Control Working Group (ICWG), Revision 7

From: Program Director, Aegis Ballistic Missile Defense Programs

To: Lockheed Martin MS2
Attn: (b)(6)
199 Borton Landing Road
P.O. Box 1027
Mail Stop 127-307
Moorestown, NJ 08057-0927

Via: DCMA Naval Sea System Operations
Attn: Administrative Contracting Officer
199 Borton Landing Road
Mail Stop 127-133
Moorestown, NJ 08057

Subj: Japan Air Defense Ground Environment (JADGE) Interface Control Working Group (ICWG) (CLIN-0102)
FMS Case: JA-P-FLU

1. In the issuance of this instruction, it is the understanding of the Aegis BMD Program Manager that implementation of these requirements is within the scope of Contract HQ0276-10-C-0001. In the event Lockheed Martin MS2 feels implementation of this technical instruction exceeds the scope of the contract, Lockheed Martin MS2 will notify the Contracting Officer's Representative, (b)(6), MDA/AB D114, and the Contracting Officer in writing within two weeks after receipt and will take no action pursuant to this instruction.
2. This technical instruction revision is issued to update the budget ceiling and funding table to reflect the de-obligation of unearned award fee on P00040 and to make administrative changes. AEGIS BMD TECHNICAL INSTRUCTION NO. 102-05 (LM 469) Japan Air Defense Ground Environment (JADGE) Interface Control Working Group (ICWG), Rev. 6 is hereby superseded.

Japan Air Defense Ground Environment (JADGE) Interface Control
Working Group (ICWG)

AEGIS BMD TECHNICAL INSTRUCTION NO. 102-05 (LM 469)

CONTRACT HQ0276-10-C-0001

Approved

(b)(6)



I. Program Implementation

1. INTRODUCTION

A. Overview

This Technical Instruction (TI) provides for System Engineering support to the JADGE ICWG under FMS Case JA-P-FLU.

B. Program Schedule

The period of performance for this TI is 1 October 2009 through 7 May 2010.

C. Material Requirements

MDA/ABI will direct the following material to be acquired to support JADGE requirements capture and maintenance if necessary:

Products	Qty
Rhapsody C++, C, Java Devel	2
Rhapsody C++, C, Java Devel Maintenance	2
Rhapsody Gateway Value PK	1
Rhapsody Gateway Value PK Maintenance	1
Rhapsody Test Conductor	1
Rhapsody Test Conductor Maintenance	1
PC	2
DOORS	2
DOORS Maintenance	2

D. Information Requirements

None

E. Scope of Work

Conduct system engineering tasks maximizing collaboration with Japan utilizing industry standard CASE tools and products. Support preparation of ICWG action item responses as assigned by USG PD-452I. Identify applicable mission requirements and provide recommendations to refine Japan BMD concept of operations. Document JADGE system architecture and associated functional descriptions. Establish and document JADGE system functional and performance requirements. Document associated interface requirements between JADGE and the Aegis BMD element and associated data flows to other Japan elements utilizing Aegis BMD data. Prepare Interface Control Document detailing messages between JADGE and Aegis BMD.

Travel as required to attend and support ICWG meetings to discuss the interface design between JADGE and Japan AEGIS (BMD).

System modeling to be conducted in support of functional and performance analysis activities. Weapon System Functional, Performance, and Requirements analysis may be conducted as required and as directed by customer for BMDS support.

Extend availability in support of continuing interface development and testing being performed between JADGE and JABMD and to ensure the Interface Control Document reflects the results of those efforts.

LM and its subcontractors may be required to provide technical assistance and data directly to the Japan Air Self Defense Force (JASDF) Air Staff Office (ASO) and/or their authorized contractors in their role providing engineering and technical support for efforts related to ICWGs conducted to develop Interface Control Documents (ICDs) between JABMD ships and the JADGE.

F. Program Management and Administration

Provide for the overall management, planning, scheduling and execution of all efforts described in this Technical Instruction. The contractor shall perform resource estimates as required.

G. Amplifying Information

This effort does not include the cost of operation for the NSCC or CSED site for the entire period of this effort. It is assumed that this support is or will be furnished under separate contract.

The estimated hours requirement will be reviewed periodically and adjusted accordingly for:

1. Variances caused by events like unforeseen material procurements or other non-labor impacts to the estimated hourly rate.

MDA acknowledges that LM has selected (b)(4), with main (b)(4) as a subcontractor for this effort.

The authorized foreign recipients are as follows:

The Japan Ministry of Defense, as represented by the Maritime Staff Office (MSO) and the Air Staff Office (ASO), all offices and divisions, 5-1 Ichigaya Honmura-cho, Shinjuku-ku Tokyo, 162-8801 and 162-8804 Japan.

MITSUBISHI HEAVY INDUSTRIES, LTD. (MHI), all offices and divisions, with offices at Nagasaki Shipyard and Machinery Works, 1-1 Akunoura-Machi Nagasaki 850-0063, Japan.

II. Budget Ceiling

The following constraints are imposed upon the Contractor. The estimated dollar amount for the cost of this projected effort is (b)(4). This effort will be completed by 7 May 2010. The total man-hours to be provided (including subcontractors) are (b)(4) and the costs and potential award fee are:

	TOTAL
	(b)(4)
*Award Fee	
Total	

*Potential Award Fee

Incremental Contract Funding Information

Task Manager: (b)(6)

Lockheed Martin Manager: (b)(6)

Contract P000/CLIN	Date Funded	FY\$	Appn	Cost \$ Amount	Fee \$* Amount	Total \$ Amount	ACRN	Funding Source
(b)(4)								

*Potential Award Fee

AEGIS BMD TECHNICAL INSTRUCTION
102-05 (LM469) JADGE ICWG, Revision 7

Distribution:

MDA/AB D (b)(6)

MDA/AB I

MDA DACG

DCMA (b)(6)

TechRep (b)(6)



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SER: AB-D/EATI1180
02 February 2011

AEGIS BMD TECHNICAL INSTRUCTION NO. 102-06 (LM 494) Japanese Flight Test Mission-4 (JFTM-4), Revision 8

From: Program Executive, Aegis Ballistic Missile Defense Programs

To: Lockheed Martin MS2
Attn: (b)(6)
199 Borton Landing Road
P.O. Box 1027
Mail Stop 127-307
Moorestown, NJ 08057-0927

Via: DCMA Naval Sea System Operations
Attn: Administrative Contracting Officer
199 Borton Landing Road
Mail Stop 127-133
Moorestown, NJ 08057

Subj: Japanese Flight Test Mission-4 (JFTM-4)
FMS Case: JA-P-CAN

1. In the issuance of this instruction, it is the understanding of the Aegis BMD Program Manager that implementation of these requirements is within the scope of Contract HQ0276-10-C-0001. In the event Lockheed Martin MS2 feels implementation of this technical instruction exceeds the scope of the contract, Lockheed Martin MS2 will notify the Contracting Officer's Representative, (b)(6) MDA/AB D114, and the Contracting Officer in writing within two weeks after receipt and will take no action pursuant to this instruction.
2. This technical instruction is issued to update the budget ceiling and funding table to reflect the de-obligation of unearned award fee on P00040 and to make administrative changes. Aegis BMD Technical Instruction 102-06, Revision 7 is hereby superseded.

Japanese Flight Test Mission-4 (JFTM-4)

AEGIS BMD TECHNICAL INSTRUCTION NO. 102-06 (LM 494)

CONTRACT HQ0276-10-C-0001

Approved

(b)(6)

(b)(6)

I. Program Implementation

1. INTRODUCTION

A. Overview

This Technical Instruction (TI) provides all tasks required for the pre-mission planning activity, analytical support for Scenario Certification and Mission Control Panel (MCP), data analysis and support during Waterfront Integration Testing (WIT), including Pre-WIT cued engagement analysis, Firing Team Training (FTT) and Event 1 Underway efforts, and execution of the Firing Event and post mission analysis and support of the Mission Data Review for Japan Flight Test Mission-4 (JFTM-4). The JFTM-4 mission includes interception of a Group B Medium Range Target (MRT) with an SM-3 BLK IA missile launched by the AEGIS Weapon System on board the JS KIRISHIMA. Mission also includes support equipment and engineering technical assistance as provided under FMS Case JA-P-CAN.

B. Program Schedule

The period of performance for this TI is 5 February 2010 through 15 April 2011.

C. Material Requirements

No material requirements are anticipated in support of this effort.

D. Information Requirements

No information requirements are anticipated in support of this effort.

E. Scope of Work

The contractor shall provide JABMD system engineering analysis support for pre-mission, underway, and post mission efforts and Waterfront Integration Testing (WIT) for the JFTM-4 mission. These efforts include

performance prediction analysis conducted using MEDUSA, SSTRESS and NTWSIM as required, event planning support, participation in related joint U.S. and Japan working groups, reviews and panels, and shipboard engineering support during the JS KIRISHIMA transit, underway and at-sea periods. The contractor shall also provide data reduction analysis support as part of the system engineering efforts. The contractor shall analyze and report AWS data performance using Mercury and other analysis tools, as required, to assess Aegis BMD's performance.

The contractor shall also perform detailed analysis supporting cued engagement performance for Event 1 to include supporting CSEDS runs and data analysis with the US DDG team, and MCP slide preparation for cued engagement information including open US DDG CPCR analysis. They shall also conduct all required cued engagement efforts in support of WIT and FTT. US DDG team engineering support includes ACTS, MEIT, CND, SPY and DSS. LM will provide material and shipping logistics for Dockside Simulator and data analysis equipment for the US DDG. Lastly, LM will perform detailed analysis certifying Aegis performance during JFTM-4 mission for Japan ownership and US DDG during Event 1. The contractor shall also support Kirishima participation in FTX-16 as required

F. Program Management and Administration

Provide for the overall management, planning, scheduling and execution of all efforts described in this Technical Instruction. The contractor shall perform resource estimates as required.

G. Amplifying Information

This effort does not include the cost of operation for the NSCC or CSED site for the entire period of this effort. It is assumed that this support is or will be furnished under separate contract.

The estimated hours requirement will be reviewed periodically and adjusted accordingly for:

1. Variances caused by events like unforeseen material procurements or other non-labor impacts to the estimated hourly rate.

The authorized foreign recipients are as follows:

The Japan Ministry of Defense, as representative by the Maritime Staff Office (MSO), all offices and divisions, 5-1 Ichigaya Honmura-cho, Shinjuku-ku Tokyo, 162-8801 Japan.

MITSUBISHI HEAVY INDUSTRIES, LTD., (MHI) with offices at Nagasaki Shipyard & Machinery Works, 1-1 Akunoura-Machi Nagasaki 850-0063, Japan.

Ishikawajima-Harima Heavy Industries Co., Ltd. (IHI) Toyosu IHI Bldg., 1-1, Toyosu 3-chome, Koto-ku, Tokyo 135-8710, Japan

(b)(4) will provide support services to LM MS2, as directed by MDA/ABI, during the test events including:

- 1) Liaison support for meeting coordination
- 2) Training support such as translation during training events and student achievement feedback coordination
- 3) Technical assistance such as system setup and operation support and troubleshooting

II. Budget Ceiling

The following constraints are imposed upon the Contractor. The estimated dollar amount for the cost of this projected effort is (b)(4). This effort will be completed by 15 April 2011. The total man-hours to be provided (including subcontractors) are (b)(4) man-hours and the costs and potential award fee are:

	TOTAL
	(b)(4)
*Award Fee	
Total	

*Potential Award Fee

Incremental Contract Funding Information

Task Manager: (b)(6)

Lockheed Martin Manager: (b)(6)

Contract	Date	FY\$	Appn	Cost \$	Fee \$*	Total \$	ACRN	Funding
P000/CLIN	Funded			Amount	Amount	Amount		Source
(b)(4)								

*Potential Award Fee

AEGIS BMD TECHNICAL INSTRUCTION 102-06 (LM 494) Japanese Flight Test
Mission-4 (JFTM-4), Revision 8

Distribution:

MDA/AB D (b)(6)
MDA/AB I
MDA/DACG
DCMA (b)(6)
TechRep (b)(6)



DEPARTMENT OF DEFENSE
MISSILE DEFENSE AGENCY
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SER: AB-D/EATI1181

02 February 2011

AEGIS BMD FY10 TECHNICAL INSTRUCTION NO. 102-07 (LM 507) JABMD
Hardware in the Loop (HWIL), Revision 1

From: Program Executive, Aegis Ballistic Missile Defense Programs

To: Lockheed Martin MS2
Attn: (b)(6)
199 Borton Landing Road
P.O. Box 1027
Mail Stop 127-307
Moorestown, NJ 08057-0927

Via: DCMA Naval Sea System Operations
Attn: Administrative Contracting Officer
199 Borton Landing Road
Mail Stop 127-133
Moorestown, NJ 08057

Subj: JABMD Hardware in the Loop (HWIL) (CLIN-0102)
FMS Case: JA-P-FPX

1. In the issuance of this instruction, it is the understanding of the Aegis BMD Program Manager that implementation of these requirements is within the scope of Contract HQ0276-10-C-0001. In the event Lockheed Martin MS2 feels implementation of this technical instruction exceeds the scope of the contract, Lockheed Martin MS2 will notify the Contracting Officer's Representative, (b)(6) MDA/AB D114, and the Contracting Officer in writing within two weeks after receipt and will take no action pursuant to this instruction.
2. This technical instruction revision is issued to update the budget ceiling and funding table to reflect the de-obligation of unearned award fee on P00040 and to make administrative changes. Aegis BMD Technical Instruction 102-07 (507) JABMD Hardware in the Loop (HWIL), BASIC is hereby superseded.

JABMD Hardware in the Loop (HWIL)

AEGIS BMD - TECHNICAL INSTRUCTION NO. 102-07 (LM 507)

CONTRACT HQ0276-10-C-0001

Approved:

(b)(6)



I. Program Implementation

1. INTRODUCTION

A. Overview

This Technical Instruction (TI) provides for engineering/technical services, equipment, training, and documentation for the design, test, and delivery of Hardware in the Loop (HWIL) capability to Japan, under FMS Case JA-P-FPX.

The HWIL Aegis Interface Equipment (IE) is a portable suite of simulation hardware and software to provide an interface to the Aegis Weapon System (AWS) for Japan Aerospace Defense Ground Environment (JADGE) conducted/distributed Ballistic Missile Defense (BMD) testing. The Aegis IE will act as the driver for Aegis by injecting the scenario information into the AWS on board a JABMD ship through simulated interfaces. The Aegis IE will respond to control requests from the JADGE BMD Simulator (BMDSIM) to coordinate scenario start and stop times.

B. Program Schedule

The period of performance for this TI is 22 March 2010 through 30 September 2012.

C. Material Requirements

As directed by MDA/ABI, the following material may be acquired to support HWIL requirements, capture, and maintenance:

Products	Qty
Aegis Interface Equipment (IE) Suite	2

D. Information Requirements

None

E. Contract Data Requirements

As specified in contract. In addition, the following documents will be delivered as non-CDRL deliverables:

1. BMDSIM to IE Interface Control Document (ICD)
2. IE Users Manual
3. Shipboard procedures, including ship installation and setup manual

F. Scope of Work

Lockheed Martin Moorestown will perform the required activities to develop and deliver a JABMD HWIL Interface Driver referred to as IE. The JABMD HWIL Interface Driver will communicate with the BMD Simulator to exchange the vehicle ground truth and associated scenario messaging. The Interface Driver will then appropriately stimulate the Aegis Combat System (ACS) based on the information received from the BMD simulator.

The JABMD HWIL Interface Driver is designed to be brought onboard the ship and cabled into the resident combat system for test events. The Interface Driver will then connect to the BMD Simulator via an Ethernet connection. This configuration will allow for the JABMD ship's tactical combat system communicating with the Interface Driver to act as a HWIL node within the interoperability event.

Development of the JABMD HWIL Interface Driver will consist of the following activities:

1. System and software engineering efforts required to develop the Interface Driver system including requirements analysis, design, code, and test.

2. Procurement and delivery of the hardware which makes up the Interface Driver and its connection to the tactical system
3. Provide support for the development of the Interface Driver to BMD Simulator ICD
4. Engineering support for quarterly Interface Control Working Groups (ICWGs)
5. Development of associated documentation including a technical manual, operations manual, and training manual
6. Provide training on the use of the Interface Driver to Japanese personnel
7. On-site integration of the Interface Driver with the combat system and BMD Simulator
8. Provide engineering support for a level of effort between Engineering Load delivery and final QA delivery

LM and its subcontractors may be required to provide technical assistance and data directly to the Japan Air Self Defense Force (JASDF) Air Staff Office (ASO) and/or their authorized contractors in their role providing engineering and technical support for efforts related to ICWGs conducted to develop ICDs between JABDM ships and the JADGE.

G. Program Management and Administration

Provide for the overall management, planning, scheduling and execution of all efforts described in this Technical Instruction.

H. Amplifying Information

This effort does not include the cost of operation for the NSCC or CSEDS site for the entire period of this effort. This support will be furnished under separate

(b)(4)

The estimated hours requirement will be reviewed periodically and adjusted accordingly for:

1. Variances caused by events like unforeseen material procurements or other non-labor impacts to the estimated hourly rate

AEGIS BMD - TECHNICAL INSTRUCTION

102-07 (LM 507) JABMD Hardware in the Loop (HWIL), Revision 1

MDA acknowledges that LM has selected (b)(4), with main (b)(4)

(b)(4) as a subcontractor for this effort. AS&T's role will be to identify system architecture, requirements, functional descriptions, and performance requirements for the IE and document the interface requirements between the IE and BMDSIM. Travel as required to attend and support ICWG meetings with Japan and to provide other services as directed by Lockheed Martin.

The authorized foreign recipients are as follows:

The Japan Ministry of Defense, as represented by the Maritime Staff Office (MSO) and the Air Staff Office (ASO), all offices and divisions, 5-1 Ichigaya Honmura-cho, Shinjuku-ku Tokyo, 162-8801 and 162-8804 Japan.

MITSUBISHI HEAVY INDUSTRIES, LTD. (MHI), all offices and divisions, with offices at Nagasaki Shipyard and Machinery Works, 1-1 Akunoura-Machi Nagasaki 850-0063, Japan.

MITSUBISHI HEAVY INDUSTRIES, Nagoya Guidance and Propulsion Works, O-Aza Higashi Tanaka, Komaki, Aichi Prefecture, Japan 485-8561

II. Budget Ceiling

The following constraints are imposed upon the Contractor. The estimated dollar amount for the cost of this projected effort is (b)(4). This effort will be completed by 30 September 2012. The total man-hours to be provided (including subcontractors) are (b)(4) man-hours using a burdened wrap rate of (b)(4). the costs and potential award fee are:

	TOTAL
	(b)(4)
*Award Fee	
Total	

*Potential Award Fee

AEGIS BMD - TECHNICAL INSTRUCTION

102-07 (LM 507) JABMD Hardware in the Loop (HWIL), Revision 1

Incremental Contract Funding Information

Task Manager: (b)(6)

Lockheed Martin Manager: (b)(6)

Contract P000/CLIN	Date Funded	FY\$	Appn	Cost \$ Amount	Fee \$* Amount	Total \$ Amount	ACRN	Funding Source
(b)(4)								

*Potential Award Fee

AEGIS BMD - TECHNICAL INSTRUCTION

102-07 (LM 507) JABMD Hardware in the Loop (HWIL), Revision 1

Distribution:

MDA/AB D

(b)(6)

MDA/AB I

MDA DACG

DCMA

(b)(6)

TechRep

(b)(6)



DEPARTMENT OF DEFENSE
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SER: AB-D/EATI1182

02 February 2011

AEGIS BMD TECHNICAL INSTRUCTION NO. 102-08 (LM 543) JS KONGO Class
JABMD Pre-Overhaul Test and Inspection (POT&I) Support, Revision 2

From: Program Executive, Aegis Ballistic Missile Defense Programs

To: Lockheed Martin MS2
Attn: (b)(6)
199 Borton Landing Road
P.O. Box 1027
Mail Stop 127-307
Moorestown, NJ 08057-0927

Via: DCMA Naval Sea System Operations
Attn: Administrative Contracting Officer
199 Borton Landing Road
Mail Stop 127-133
Moorestown, NJ 08057

Subj: JS KONGO Class JABMD Pre-Overhaul Test and Inspection
(POT&I) Support (CLIN-0102)
FMS Case: JA-P-FLW

1. In the issuance of this instruction, it is the understanding of the Aegis BMD Program Manager that implementation of these requirements is within the scope of Contract HQ0276-10-C-0001. In the event Lockheed Martin MS2 feels implementation of this technical instruction exceeds the scope of the contract, Lockheed Martin MS2 will notify the Contracting Officer's Representative, (b)(6) MDA/AB D114, and the Contracting Officer in writing within two weeks after receipt and will take no action pursuant to this instruction.
2. This Technical Instruction (TI) is issued to update the budget ceiling and funding table to reflect the de-obligation of unearned award fee on P00040 and to make administrative changes. Aegis BMD Technical Instruction 102-08 (LM 543) JS KONGO Class JABMD Pre-Overhaul Test and Inspection, Revision 1 is hereby superseded.

AEGIS BMD - TECHNICAL INSTRUCTION
102-08 (LM 543) JS KONGO Class JABMD Pre-Overhaul Test and
Inspection (POT&I) Support, Revision 2

**JS KONGO Class JABMD Pre-Overhaul Test and Inspection (POT&I)
Support**

AEGIS BMD - TECHNICAL INSTRUCTION NO. 102-08 (LM 543)

CONTRACT HQ0276-10-C-0001

Approved:

(b)(6)



I. Program Implementation

1. INTRODUCTION

A. Overview

This TI defines the effort required to develop JS KONGO Class POT&I requirements/procedures for a Japan Aegis Ballistic Missile Defense (JABMD) Vertical Launching System (VLS) Global Positioning System (GPS) Interface (VGI) and to review the POT&I for a MK133 Processor, under FMS Case JA-P-FLW.

B. Program Schedule

The period of performance for this TI is 1 July 2010 through 31 December 2010.

The following key events will be conducted:

- o Deliver VGI POT&I 45 days ARO
- o Deliver revised MK133 POT&I 30 days ARO

C. Material Requirements

None

D. Information Requirements

None

E. Contract Data Requirements

As specified in contract.

F. Scope of Work

The contractor shall develop POT&I requirements and procedures for a JABMD VGI using a POT&I developed by the US Navy (USN) as the basis for JABMD and review existing JABMD MK133 Processor POT&I for the JS KONGO Class.

G. Program Management and Administration

Provide for the overall management, planning, scheduling and execution of all efforts described in this TI.

H. Amplifying Information

1. This effort does not include the cost of operation for the NSCC or CSEDS site for the entire period of this effort. It is assumed that this support is or will be furnished under separate contract.

2. The estimated hours requirement will be reviewed periodically and adjusted accordingly for:

Variances caused by events like unforeseen material procurements or other non-labor impacts to the estimated hourly rate

II. Budget Ceiling

The following constraints are imposed upon the Contractor. The estimated dollar amount for the cost of this projected effort is (b)(4). This effort will be completed by 31 December 2010. The total man-hours to be provided (including subcontractors) are (b)(4) and the costs and potential award fee by fiscal year are:

	TOTAL
	(b)(4)
*Award Fee	
Total	

*Potential Award Fee

AEGIS BMD - TECHNICAL INSTRUCTION
102-08 (LM 543) JS KONGO Class JABMD Pre-Overhaul Test and
Inspection (POT&I) Support, Revision 2

Incremental Contract Funding Information

Task Manager: (b)(6)

Lockheed Martin Manager: (b)(6)

Contract	Date	FY\$	Appn	Cost \$	Fee \$*	Total \$	ACRN	Funding
P000/CLIN	Funded			Amount	Amount	Amount		Source
(b)(4)								

*Potential Award Fee

AEGIS BMD - TECHNICAL INSTRUCTION
102-08 (LM 543) JS KONGO Class JABMD Pre-Overhaul Test and
Inspection (POT&I) Support, Revision 2

Distribution:

MDA/AB D114 (b)(6)

MDA/AB I (b)(6)

MDA DACG

DCMA (b)(6)

TechRep (b)(6)

October 1, 2009

Statement of Work**1.0 SCOPE**

This Statement of Work (SOW) defines the effort required for the Aegis Ballistic Missile Defense (BMD) Combat System Engineering Agent (CSEA) and Aegis BMD Weapon System design, development and computer program source. Aegis BMD is the sea based portion of the Missile Defense Agency's (MDA) Ballistic Missile Defense System (BMDS).

The Contractor shall provide the necessary material and technical engineering to define, develop, integrate, test, deliver, install and field Weapon System capability for Aegis Cruisers and Destroyers. The Contractor shall provide program management, system engineering, computer program development and test, system testing, shipboard installation/test/checkout and support to BMDS flight tests, ground tests, and simulation events (e.g., Performance Assessments) en route to operational capability for Aegis Cruisers and Destroyers. The Contractor shall assure that the baselines, as fielded, meet the applicable requirements of the Element Capabilities Specification (ECS), meet applicable U.S. Navy certification requirements and are integrated and interoperable with the other BMDS Elements.

Following the existing Aegis BMD System Engineering process, the Contractor shall assist development of the ECS and associated BMDS Validation and Verification documentation in conjunction with MDA and develop the Aegis BMD Combat System (ACS) solutions in conjunction with the other BMDS Elements and component contractors. The Contractor shall allocate Aegis BMD ACS performance requirements and error budgets to functional subsystems and components, develop Aegis BMD Weapon System Specifications, and design/code/test the Aegis BMD Weapon System computer programs. The Contractor shall conduct Element, Multi-Element and System integration testing (both land-based and at sea), support the Systems Demonstration, support the shipboard installation, test and checkout and support validation and verification through Flight Test Missions (FTMs), Ground Test Campaigns and other BMDS System level tests.

Under a completion contract line item number (CLIN), the Contractor shall complete the development of Aegis BMD Baseline 4.0.1, support its Certification, install, test and checkout the Weapon System modifications aboard an Aegis Cruiser in 2011 and support the associated FTMs. Aegis BMD 4.0.1 modifies Aegis BMD 3.6.1, which is presently in service, to provide Engagement capability against an expanded threat set by integrating the Standard Missile SM-3 Block IB, the Ballistic Signal Processor (BSP) and improving Enhanced Feature Extraction, Object Classification, Automatic Designation, Kill Assessment, and the (b)(4) capability and algorithms.

Under a completion CLIN, the Contractor shall complete the development and deliver Aegis BMD Baseline 5.0 as an integral part of Navy development or delivered baselines. The Contractor shall support certification of Aegis BMD Baseline 5.0, installation, test and checkout of the associated Weapon System modifications aboard an Aegis Destroyer in 2012 and subsequent FTMs. Aegis BMD Baseline 5.0 shall replicate Aegis BMD Baseline 4.0.1 in open architecture, include (b)(4) Engagement Capability, provide multi-mission (Anti Air

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Warfare (AAW) and BMD) warfare integration and signal processor development, and improve MK 41 Vertical Launching System (VLS) and Mission Planner capabilities.

Under a level of effort CLIN, the Contractor shall continue development of Aegis BMD Baseline 5.1 through the System Requirements Review and conduct the associated Critical Experiments. Aegis BMD Baseline 5.1 shall modify Aegis BMD Baseline 5.0 to provide engagement capability against additional threats by integrating the SM-3 Block IIA and the associated Missile Encryption Upgrade and by providing Ascent Phase capabilities, Engage on Remote capabilities, Unifying Missile Defense Function (UMDF) when developed, and C4I and MK41 VLS improvements.

Under a level of effort CLIN, the Contractor shall provide the technical engineering required to define an "In Compliance" capability against an emergent threat as an integral part of the Aegis BMD Baseline Weapon System delivery.

Under a level of effort CLIN, the Contractor shall provide Post Certification Support for Aegis BMD Baselines 3.6.1, 4.0.1 and 5.0 including Computer Program Maintenance, FTM and At Sea Demonstration Support and Weapons System Upgrades.

Under a level of effort CLIN, the Contractor shall also support BMDS Integration efforts, conduct studies for future baselines, and support Engagement Sequence Definition.

At such time as these baseline development efforts become more clearly defined, the subject scope shall be converted from level of effort tasking to completion efforts.

Modeling and Simulation (M&S) support shall include a level of effort CLIN for Program Management and System Engineering to assure the horizontal integration and continuity of modeling, simulation and test capability across all Aegis BMD programs, as well as support the planning and execution of MDA System Engineering Performance Assessment (PA) simulation events. Tool maintenance and upgrade shall be included under the baseline CLINs.

2.0 APPLICABLE DOCUMENTS

2.1 (U.S. Only) Specifications

Document Number	Document Title	Date (See Note)
MDA Documents		
S-1418-3.0	Integrated Ballistic Missile Defense System Build D BMD System Specification	12 June 08
	BMDS Build D Internal Interface Control Document Part 1, DRAFT	
	MDA Directive 4250.02 – MDA Cost Estimates	26 Aug 2006
	MDA-QS-001-MAP MDA Assurance Provisions Revision A	29 Oct 2006
	MDA-QS-003-PMAP MDA Parts, Materials and Processes Mission Assurance Plan Revision A	26 Mar 2008

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	MDA Plan 8500.02-P MDA Information Assurance Program Plan	3 Oct 2007
	S-0637-1.0 BMDS Block 06 Test Bed Internal Interface Control Document: Part 1 Includes Document Change Notices (DCNs) ICD-0001, ICD-0005, and ICD-0007	16 Jun 2005
	S-0818-1.0 BMDS Block 04/06 Test Bed SBIRS Interface Control Document: Part 1 -	17 May 2005
	SP-AS-BMDS BLK06 Test Bed Internal ICD Part 2, Volume I, A058 BMDS Block 06 Test Bed Internal ICD: Part 2 Volume I (Link 16 and General Information) Includes DCN ICD-07-0004	2 Apr 2007
	SP-AS-BMDS BLK06 Test Bed Internal ICD Part 2 Volume I A058 Appendices A-E BMDS Block 06 Test Bed Internal ICD: Part 2 Volume I Appendices A-E Includes DCN 07-0002 Rev 1 and Rev 2 (Rev 2 is the DCN)	
	SP-AS-BMDS BLK06 Test Bed Internal ICD Part 2 Volume II A058 BMDS Block 2006 Test Bed Internal ICD Part 2 Volume II (GMD and C2BMC interface) Includes DCN 07-0001 Revision 0.4	
	SS0017 Space Based Infrared System (SBIRS) Ground to Ballistic Missile Defense System (BMDS) Rev G	
	Integrated Master Test Plan (IMTP) Version 9.1	10 Oct 08
	MIP, BMDS Master Integration Plan Build C	31 Mar 08
	MIP, BMDS Master Integration Plan Build D	18 July 08 DRAFT
	MFP, Master Fielding Plan, Version 9.0	September 08 DRAFT
	M&S Strategic Plan	
	2008-2 BMDS Adversary Data Package for BMDS Integrated Build D	12 Jun 08
	2008-2.1 BMDS Adversary Data Package for BMDS Integrated Build D Addendum 1, European Capability Revision A	12 Jun 08
Aegis Specific Documents		
WS-21200/14	Aegis Modernization (AMOD) Commercial Off The Shelf (COTS) Refresh 3 (CR3) System Specification	
WS 35174	Aegis BMD 4.0.1 Element Capabilities Specification (ECS), Rev E, change 3	7 May 2009
WS 35348	Aegis BMD 5.0 Element Capabilities Specification (ECS), Rev C*	9 June 2009

*Including approval of BMD 5.0 RFDs in process at the time of award (RFD AB W0009-Deviation of Raid SOA Requirement & Ship Location; RFD AB TBD-Deviation of MIL STD 464A EME Requirement; and RFD AB TBD-Deviation for Performance Verification in Presence of Certain Debris Types.

2.2 Military Standards (MIL-STD)

Document Number	Document Title	Date (See Note)
MIL-STD-129	Military Marking for Shipment and Storage	15 May 1997
MIL-STD-167	Mechanical Vibrations of Shipboard Equipment	30 June 1993
MIL-STD-461F	Requirements for the Control of Electromagnetic Interference Characteristics of Subsystems and Equipment	10 December 2007
MIL-STD-464A	Electromagnetic Environmental Effects Requirements for Systems	19 December 2002
MIL-STD-648D	Design Criteria for Specialized Shipping Containers	10 April 2008
MIL-STD-810F	DoD Test Method Standard for Environmental Engineering	5 May 2003
MIL-STD-882D	Standard Practice for System Safety	10 February 2000
MIL-STD-901D	Requirements for Shock Tests, HI (High-Impact) Shipboard Machinery, Equipment and Systems	17 March 1989
MIL-STD-1366D	Interface Standard Transportability Criteria Change Notice 1	31 March 2003
MIL-STD-1472F	DoD Design Criteria Standard, Human Engineering Change Notice 1	5 December 2003
MIL-STD-2073-1	DoD Standard Practice for Military Packaging	10 May 2002
MIL-STD-3011	Interoperability Standard for the Joint Range Extension Application protocol (JREAP)	30 September 2002
MIL-STD-6016C	Tactical Data Link (TDL) 16 Message Standard	28 March 2005
MIL-STD-6040	United States Message Text Formatting Program	31 March 2006 (updated annually)

2.3 Other Government Documents, Drawings and Publications

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Document Number	Document Title	Date (See Note)
(b)(5)		
ANSI/ASQC Z1.4-1993	Sampling Procedures and Tables for Inspection by Attributes	1 January 1993
ANSI Z136.1	American National Standard for Safe Use of Lasers	1 January 2000
ASTM D3951-95	Standard Practice for Commercial Packaging	
CJCSI 3210.01 (U.S. Only)	Chairman of the Joint Chiefs of Staff Instruction	6 November 1998
CJCSI 6510.01D (U.S. Only)	Information Assurance and Computer Network Defense	15 June 2004
CNSS TEMPEST 01-02 (U.S. Only)	CNSS Advisory Memorandum TEMPEST 01-02	October 2002
CRÈME 96	Cosmic Ray Effects on Micro-Electronics	20 June 1999
DII COE	Defense Information Infrastructure-Common Operating Environment (represented by Installation & Run Time Specification (I&RTS))	August 2000
DISR-05	Department of Defense Information Technology Standards Registry (DISR), Version 4.3.8	04 April 2005
DoDI 5000.2	Operation of the Defense Acquisition System	8 December 2008
DoD-STD-1399 (Navy), Section 070 – Part 1	Interface Standard for Shipboard Systems: D.C. Magnetic Field Environment	26 February 1979
DoD 5200.8-R (U.S. Only)	DoD Physical Security Program	May 1991
DoDD 0-8530.1 (U.S. Only)	Computer Network Defense (CND)	8 January 2001
DoDD 3100.10	Space Policy	9 July 1999
DoDD 4630.5	Interoperability and Supportability of Information Technology (IT) and National	5 May 2004

	Security Systems (NSS)	
DoDD 8500.1 (U.S. Only)	Information Assurance	24 October 2002
DoDI 6055.11	Protection of DoD Personnel From Exposure to Radio Frequency (RF) Radiation and Military Exempt Lasers (Change 1)	6 May 1996
DoDI 6055.1	DoD Safety and Occupational Health Program	19 August 1998
DoDI 8500.2 (U.S. Only)	Information Assurance (IA) Implementation	6 February 2003
DoDI 8510.01 (U.S. Only)	Missile Defense Agency Primary DoD Information Assurance Certification and Accreditation Process (DIACAP) Artifact, Aegis Ballistic Missile Defense System (Aegis BMD 5.1 (TBR))	28 November 2007
FCC PART 15	47 Code of Federal Regulations- Part 15: Radio Frequency Devices	31 July 1998
IATF v 3.1 (U.S. Only)	Information Assurance Technical Framework	September 2002
ICAO Doc 9284	International Civil Aviation Organization Technical Instruction Document 9284	January 2003
IMDG (Amendment 32)	International Maritime Dangerous Goods Code Amendment 32	2005
	International Solar Cycles #23 and #24, Summary of Panel Findings	September 2004
ISSMP	Aegis Ballistic Missile Defense Integrated System Safety Management Plan	August 2005
ITU-R P.531-8 (U.S. Only)	Ionospheric Propagation Data and Prediction Methods Required for the Design of Satellite Service and Systems	March 2005
ITU-R P.676-5	International Telecommunications Union Method: Attenuation by Atmospheric Gases	February 2001
ITU-R P.834-4	International Telecommunications Union	October 1999

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	Method: Effects of refraction on Earth-Space Propagation patterns	
ITU-R P.840-3	Attenuation Due to Clouds and Fog	October 1999
MDA 5200.01 (U.S. Only)	Security Policy	7 January 2004
(b)(5)		
NAVSEAINST 8394.2F	MK 41 Vertical Launching System Safety and Design Precepts	
(b)(5)		
NSTISSP II (U.S. Only)	National Security Telecommunications and Information Systems Security Policy: National Information Assurance Strategy	July 2003
NSWCDD/MP-05/14	Shipboard Vibration Environmental Test Specification of the Encanistered SM-3 Block 1A Missile within the MK 41 Vertical Launching System (VLS) Aboard Aegis-Class Ships	June 2005
(b)(5)		

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(b)(5)

NOTE: Or most current version as detailed in ECS.

3.0 REQUIREMENTS

3.1 Program Management

The Contractor shall designate a qualified Program Manager (PM) who may have specific task managers and who shall have complete responsibility for the planning, execution and control of all aspects of the program, and for directing in-house and subcontractors' efforts in the areas of design, fabrication, documentation, test and evaluation, ship integration, installation support, Integrated Logistics Support and training. The PM shall assure that the necessary controls of in-house equipment; computer program development and support efforts are appropriately supplied (including Safety program, Data Management, Quality Assurance, Configuration Management, Risk Management, Financial Management, Subcontractor management, Information (b)(4) and Human System Integration) utilizing established Aegis Standard Operating Procedures. The PM shall provide Critical Path scheduling, Programmatic and Technical Risk management and periodic reporting. (CDRL A005)

The PM shall have the necessary authority to utilize the company's resources to assure the SOW is accomplished consistent with technical, cost and schedule requirements and prudent programmatic and technical risk mitigation. The PM shall provide cost estimation, as authorized by the Contracting Officer's Representative (COR).

The Contractor shall support the verification of requirements contained in the Aegis BMD ECS and assist MDA with tracing ECS requirements to the BMD System Specification.

The Contractor shall support MDA configuration management and capability delivery processes by providing technical analyses enabling decision making.

The Contractor shall support the design and test readiness review process, conduct design reviews and the test readiness review, as authorized by the COR (CDRLs A002, A003, and A010).

The Contractor shall participate in Aegis BMD Integrated Product Teams (IPTs), Management Teams, Working Groups and Technical Interchange Meetings, as authorized by the COR.

The PM shall also be responsible to assess requirements changes and implement approved changes, as authorized by the COR or Contracting Officer.

The Contractor shall implement continuous process improvement techniques including Software Engineering Institute Capability Maturity Model (SEICMM), System Engineering Capability Model (SECM), and Capability Maturity Model Integrated (CMMI) and use a set of metrics to assure commitment to Continuous Process Improvement (CPI). Formal process definitions and the metric measurements shall form the basis for the enhancement of the upgrade efforts.

3.2 Cost/Schedule Management

Contractor Integrated Performance Management - The contractor shall establish, maintain, and use in the performance of this contract, an integrated performance management system. Central to this integrated system shall be a validated Earned Value Management System (EVMS) in accordance with Defense Federal Acquisition Regulation Supplement (DFARS) 252.234-7001, DFARS 252.234-7002, and the EVMS guidelines contained in ANSI/EIA-748. To establish the integrated performance management system, the EVMS shall be linked to and supported by the contractor's management processes and systems to include the integrated master schedule, contract work breakdown structure, change management, material management, procurement, cost estimating, and accounting. The correlation and integration of these systems and processes shall provide for early indication of cost and schedule problems, and their relation to technical achievement (DI-MGMT-81466A), (CDRL A001).

The Contractor shall implement and maintain an approved Earned Value Management System (EVMS) reporting at the level indicated on the Contract Work Breakdown Structure (CWBS) in Attachment J-6 to this contract.

The total contract reporting requirements shall be as specified in the CDRL requirements for completion scopes of work (CDRLs A001, A007, A037, A038 and A039). The Contractor shall implement and maintain CSDRs in accordance with the Contract Work Breakdown Structure. The Contractor shall submit contract funds status reports (CSFRs) in accordance with CDRL A007. The Contractor shall participate as a member of the Common Cost Model (CCM) Cost Working Group (CWG) and support the CCM development for this contract as described in MDA Directive 4250.02, BMDS Cost Estimates (guidance only). The Contractor shall ensure appropriate subcontractor participation in the CCM CWG.

The Contractor shall provide a master schedule with critical paths that maps back to events in the contract Integrated Master Schedule (IMS), Attachment J-4, to this contract (CDRL A012). Each technical instruction shall identify applicable major events and milestones from the contract IMS as a part of the program schedule. The IMS activities shall be derived from the Integrated Master Plan (IMP) (CDRL A040).

An IBR shall be held for each completion CLIN. For CLINs 0001 and 0011 the IBR shall be held within 120 days after start of performance. For CLIN 0004 the IBR shall be held within 180 days of start of performance. Upon contract award, only CLINs 0004 and 0011 shall require an IBR. CLIN 0001 shall require an IBR, if the Option is exercised. The format and content of the IBR shall be based on MDA Handbook 5004.01-H, as tailored.

3.3 Combat System Engineering

As the Aegis BMD CSEA, the Contractor shall provide engineering evaluation and system analysis in support of BMDS system concept exploration and development necessitated by evolving threats, mission requirements, technology advances or operational environments, as authorized by the COR. The Contractor shall support development of the BMDS Concept Description, System Definition and Architecture, BMD Definition Document, BMD System Specification, ECS and the associated Aegis BMD Concept Performance Baseline. The Contractor shall also identify technology needs, candidate technologies and risk reduction critical experiments.

The Contractor, following established Aegis System Engineering Process in the MDA/AB System Engineering Management Plan and the Technical Review Manual (Attachment J-7), shall provide overall system engineering to establish and ensure implementation of allocation of performance requirements and error budgets throughout the Aegis BMD ACS functional subsystems and components. The Contractor shall also assess the verifications conducted at all levels throughout the design and development for adequacy in evaluating system (i.e., Aegis BMD element and BMDS intra-element system engineering) and subsystem (i.e., sensors, battle management and weapons), and component (i.e., computer software critical item /computer hardware critical item) performance. In addition, the Contractor shall lead coordinated reviews of combat system designs, tests and analysis with subsystem component contractors and other BMDS Elements.

Where required, the Contractor shall provide system engineering assistance to the various Government Design Agents so as to reach an Aegis BMD Combat System (ACS) solution consistent with specified levels of system of systems or system performance. Where required, the Contractor shall also propose and provide Aegis BMD Aegis Weapon System (AWS) specification changes.

The Contractor shall integrate all elements of the Aegis BMD ACS, including computer programs and Government Furnished Property/Government Furnished Information (GFP/GFI), through equipment and computer program design and development, system integration and test (both land-based and at-sea), ship integration, installation and test including logistics, training, and New Jersey sites. The Contractor shall support critical experiments to assess candidate

technologies. The Contractor shall ensure the overall technical integrity of the Aegis BMD ACS configurations, the ease of growth into follow on Aegis BMD configurations and, to the maximum extent possible, a design which facilitates the adaptation of each upgrade to both the Aegis Cruisers and Destroyers. The Contractor shall ensure that the Aegis BMD ACS satisfies the requirements of the applicable ECS and applicable U.S. Navy certification requirements. The contractor shall support planning and conduct of U.S. Navy certifications including Computer Program Certification, LINK/NCTSI Interoperability Certification and Information Assurance Certification testing.

The Contractor shall assume that systems (equipment, computer programs and data) developed or produced under this contract must be integrated and interoperable with that of other BMDS Elements in accordance with applicable Interface Design Specifications and the MDA Master Integration Plan. When available, the Contractor shall integrate the algorithms of the Universal Missile Defense Functions. The Contractor shall support BMDS Integration Test Planning, Test Procedure Development and Performance Verification activities (i.e., FTM, Ground Test Campaigns and M&S Runs for the Record). The BMDS interoperability efforts are a joint effort with other Elements of the BMDS requiring companion scope of work in the other BMDS Elements' SOWs for successful execution.

The Contractor shall update and/or generate specifications and/or design documents (CDRLs A008, A009, A011, A013, A014, A015, A024, A025, A028 and A030).

Technical reports required shall be defined in each technical instruction. (CDRL A035)

3.4 Computer Program Development, Design, Code, Test and Delivery

As the AWS computer program developer, the Contractor shall specify, design, code, test, document and introduce the computer program changes necessary to introduce the applicable updates into the previous computer program version. The Contractor shall introduce corrections for Computer Program Change Requests (CPCRs) from previous versions that are essential to proper performance of the updated version ("Legacy CPCRs") as approved by formal change process considering budget/schedule implications. Essential changes from System Demonstration and Dahlgren Certification Testing shall also be introduced. Computer programs shall be capable of use on Aegis Cruisers and Destroyers with similar computing suites, infrastructures and signal processors. This meets the requirements as defined in the existing baseline specifications.

The Contractor shall conduct computer program testing at the Program Generation Center (PGC), Computer Program Test Site (CPTS), support system integration and test at the Combat System Engineering Development Site (CSEDS) and aboard ship. Testing shall verify integration of the contractor developed computer program with the Government furnished computer programs. The Contractor shall provide a Computer Program Development Plan (CDRL A016).

In accordance with established Aegis system engineering practices the Contractor shall prepare problem reports as necessary, perform requisite engineering to evaluate problems for their effect

on the Aegis BMD AWS and computer programs, propose solutions to the Software Implementation Board (SIB), as applicable, and take corrective actions to resolve developmental AWS problems (“Developmental CPRs”). Approved changes shall be introduced in the current or next development cycle and during computer program maintenance, as authorized by the COR. The Contractor shall also provide system engineering support to implement and maintain a comprehensive Technical Observation Report (TOR)/CPCR status tracking and reporting system (STARSYS). The Contractor shall support meetings with NSWC/DD to ensure STARSYS and NSWC/DD ACCESS CPCR Data Bases are synchronized.

Computer programs shall be delivered for installation aboard ship and for certification use without unresolved High Priority or Safety CPRs. (Priority R1 and R2 as defined by the Aegis Baseline development process). R1 and R2 CPRs as adjudicated by the JCRB must be resolved via software corrections or through mitigation via Tactics, Techniques and Procedures (TTP), restrictions or documented as program limitations. TTPs, restrictions and computer program limitations must be tested, validated, documented, delivered and trained to ships crew. In accordance with the Aegis Baseline Development process the Contractor shall conduct 6 and 12 hour stress and 25 hour endurance tests with TTPs and restrictions executed as applicable. The individual and aggregate of warfare system TTPs, restrictions and limitations (associated with mitigating High Priority or Safety CPRs) and workarounds (associated with Priority 3 and 4 CPRs) must not be so complex or labor-intensive so as to prevent operational effectiveness or the inability to satisfy platform mission requirements. Link 16 and GCCS-M Interface Testing during System Demonstration has to show interoperability to satisfy applicable Interface Specifications, as amplified by Technical Instruction. System demonstrations shall be conducted to verify computer program readiness to meet these requirements.

The Contractor shall maintain a current version of all Aegis BMD computer programs and associated support software, including firmware, and computer programming resources. The Contractor shall maintain archival copies of computer programs, which successfully complete formal acceptance, until superseded. Experimental programs shall be retained until superseded or until incorporated into an official computer program delivery. The effort shall include all activities associated with the maintenance of this baseline source program, the processing of Government approved changes to this program, and the generation and authentication of all load programs derived from the baseline source. (CDRLs A014, A015, A030 and A036)

The Contractor shall also provide data reduction and analysis support as part of the system engineering efforts and transmit or deliver Adaptation Data as required at NSWC/DD.

3.5 Baseline Requirements Change Assessment

As authorized by the COR, the Contractor shall evaluate candidate Upgrade capabilities, systems or equipments including:

- Identify system performance enhancement
- Identify required technical changes and trade space including impact on the Aegis Combat System and Weapons System

- Develop an implementation approach following the established Aegis System Engineering process and reflecting all efforts required to specify, design, test, deliver and certify the upgrade including M&S test site upgrades, Threat data needs and other GFE/GFI.
- Develop an executable schedule for the effort using milestones described on the current version of the IMS
- Develop a cost estimate, as mutually agreed with the COR
- Identify Programmatic and Technical Risk

3.6 Performance Analysis

The Contractor shall analyze the impact on performance and system configuration caused by the integration inclusion of the new or modified systems and equipment into the Aegis BMD System as a result of upgrade or critical experiment in accordance with the jointly agreed to analysis plan for each baseline as deemed appropriate by the Joint Systems Analysis IPT. The result of this analysis shall be used to determine specific implementation details, final configuration and interface requirements of the upgrade or critical experiment.

3.7 Design Reviews

The Contractor shall hold periodic design review as defined per technical instruction (CDRL A023). Requirements documents and design documents shall be delivered in accordance with CDRLs A010, A011, A013, A014, A015, A024, A025 and A028.

3.8 Critical Experiments

The Contractor shall support the conduct of Aegis BMD critical experiments to assess candidate technologies as authorized by the COR. The Contractor shall perform the required analysis and system engineering to establish the approach and detailed procedures for critical experiments that ensures experiment objectives are achieved. All critical experiments shall require submittal of a test procedure and test report (CDRLs A031 and A032).

3.9 Site Installation and Site Equipment Development

The Contractor shall design and develop those pieces of equipment, such as unique interface devices, electronic boards, special cables and others as determined necessary to complete the development and integration of the Aegis BMD configuration, baseline upgrade or critical experiment. This equipment may be in the form of brass board or pre-production models. The Contractor shall assure that design for each development site (e.g., CSED site, PGC, CPTS) affected includes those equipment and/or simulators required to support the development, test, and integration of computer program and equipment changes in the Aegis BMD System or critical experiment.

Equipment procured or constructed under this contract shall be tagged and registered in the Government Property Control System.

3.10 Integration and Test

The Contractor shall integrate the Aegis BMD computer programs to ensure physical, functional and performance compatibility. The Contractor shall provide engineering and technical support for the integration and test of those contractor-developed computer program changes at CPTS, CSEDS and onboard ship for FTM series of demonstrations. The Contractor shall hold a Test Readiness Review (TRR) for MDA/AB. (CDRL A019, A031)

The Contractor shall conduct or support the following tests or events, as required

- Engineering Test and Evaluation (ET&E)
- Multi-Element Integration and Test (MEIT)
- System Requirements Verification (SRV)
- Support MDA/AB defined tests and exercises including System Demonstration
- Conduct/support System Engineering Evaluations and Assessments
- CSEDS System Integration Test
- Waterfront Integration Tests (WIT)
- At-sea Firing Events (FTMs and At Sea Demonstrations (ASD))
- BMD FTM, Ground Test Campaigns and Performance Assessments involving other BMDS Elements (i.e., GMD, THAAD, FBX-T, Patriot, C2BMC)
- Other critical experiments, Operational Test & Evaluation and Fleet Exercises, as required

Final test reports shall be submitted after the completion of each event. (CDRL A020)

3.11 System Safety

The Contractor shall establish and conduct a safety program for equipment, computer programs, and system changes in accordance with MIL-STD-882C. This system safety program shall include the following:

- a. System Safety Program Plans per Task 102 of MIL-STD-882C (CDRL A017)
- b. Preliminary Hazard Analysis per Task 202 of MIL-STD-882C (CDRL A035)
- c. Safety Requirements/Criteria Analysis per Task 203 of MIL-STD-882C (CDRL A035)
- d. System Hazard Analysis per Task 205 of MIL-STD-882C. (CDRL A035)
- e. Operating and Support Hazard Analysis per Task 206 of MIL-STD-882C (CDRL A035)
- f. Safety Verification per Task 401 of MIL-STD-882C (CDRL A035)
- g. Software System Safety Technical Review Panel (SSSTRP) and Weapon System Explosive Safety Review Board (WSESRB)
- h. Safety Assessment Report (SAR) per Task 301 of MIL-STD-882C (CDRL A018)
- i. Sub-Systems Hazard Analysis (SHAA) per Task 204 of MIL-STD-882C (CDRL A035)

In conjunction with above, the Contractor shall maintain the Safety Hazard Alert Report (SHAR) system and participate in the Aegis BMD System Safety Working Group.

The specific elements of the safety program to be implemented within the scope of this SOW for each upgrade effort shall be in accordance with the approved System Safety Plan (CDRL A017).

3.12 Reliability, Maintainability and Availability Engineering

The Contractor shall:

- Utilize the established Reliability, Maintainability and Availability (RM&A) program in accordance with current practices.
- Update and maintain the RM&A Program Plan provided under previous development programs. (CDRL A022)
- Assess the need for RM&A engineering effort for each capability program and provide the Government with the results of this assessment.
- Perform reliability allocations, assessments, and analyses as required. (CDRL A021)
- Develop required analysis techniques and perform system/equipment level analysis to determine whether specified RM&A requirement will be satisfied.
- Evaluate RM&A lessons learned from fleet operations for applicability in the design, to incorporate cost effective changes to maximize system availability, and to determine the impact on system RM&A characteristics resulting from incorporation of commercial equipment where appropriate.
- Provide RM&A related inputs to specifications.
- Participate in computer development process to ensure that techniques are employed to reduce the probability of computer program errors
- Participate in the planning and execution of test programs to measure RM&A related parameters for new equipments and computer programs
- Develop and/or upgrade computer programs to provide data extraction and data reduction in support of evaluation of RM&A parameters used to accomplish RM&A engineering efforts
- Maintain a Failure Reporting and Corrective Action System to identify RM&A related problems and provide data for internal and MDA/AB Problem Review Boards
- Participate in transition from development to production planning and implementation
- Provide failure rate and lowest repairable unit (LRU) mission criticality data in formats required for the Readiness Based Spares selection process.
- Perform a Maintainability Readiness Assessment (MRA) for all new or modified equipment to verify Fault Detection/Fault Isolation (FD/FI) paths for each LRU and confirm links to appropriate maintenance documentation/work packages.

3.13 Human Systems Integration

The Contractor shall establish and conduct a Human Systems Integration (HSI) Program in accordance with MIL-STD-1472 in support of Aegis BMD efforts toward tailored HSI Certification.

The HSI program shall include the following:

- HSI Program Plans
- Knowledge Engineering Analysis of BMD Crew Mission and Usability Testing for selected user interfaces (such as Operational Readiness and Test (ORTS) and Mission Planner)
- Operational and Maintenance Workload Modeling and Analysis in support of program milestones and validation of fleet units' ability to successfully execute BMD missions
- Ergonomic Analysis and Modeling in support of BMD Ship Integration, focusing on equipment space layout and operation/maintenance usability
- Engineering Test and Evaluation Support of system design efforts, focused on evaluation of human element of system performance
- Participation in the Joint Government-Industry HSI IPT and HSI Program Planning
- Support to the overall design so as to satisfy Aegis BMD Program and tailored HSI Certification Criteria.

3.14 Data Management

The Contractor shall establish and conduct a data management program. The Contractor shall prepare and maintain a Data Accession List of contractor internal data (CDRLs A004 and A006) generated in support of this contract and which is available to the Government. Upon request from the COR, the Contractor shall provide copies of specific data items. The Contractor shall provide the Government and designated supporting organizations with electronic access to the contractor's unclassified and classified Integrated Data Environment. Drawings and associated lists shall be submitted in accordance with each technical instruction. (CDRL A029)

3.15 Quality Assurance Program

The Contractor shall establish and maintain an approved Quality Assurance Program in accordance with current practices documented in an approved Aegis BMD Quality Program Plan defining the quality assurance activities and functions required to ensure contract compliance throughout the product lifecycle. Results of Program Mission Assurance Provisions (PMAP) Gap Analysis, as funded, shall be included.

3.16 Configuration Management

The Contractor shall maintain an approved Configuration Management process that shall include:

- Ensuring that technical documentation (including that provided as GFI which has been placed under change control) will be properly maintained

- Maintaining status of configuration identification changes
- Ensuring that equipment, computer programs, and firmware are assigned identifying numbers, designators and/or serial numbers in accordance with the contractor program directives
- Ensuring that all contractor program configuration procedures and those of subcontractors, comply with contractor program directives
- Ensuring that technical documentation contains adequate justification for system configuration changes that impact the BMDS Operational Configuration Baseline
- Digital data shall be delivered in a format that is compatible with commercially available software programs such as Rationale Rose or DOORS database, except data for baselines prior to and including Baseline 4.0.1 which may be delivered in legacy forms,

3.17 Information Assurance (IA)

The Contractor shall establish an Information Assurance (IA) Program supporting MDA/AB in achieving IA Accreditation for the Aegis BMD Weapon System following the DOD IA Certification and Accreditation Process (DIACAP).

The IA Program shall:

- Support MDA/AB in completing the IA DIACAP Documentation for MDA and NNWC
 - Complete IA Vulnerability Analysis in accordance with DODI 8500.2 requirements
 - Identify the applicable IA Controls from DODI 8500.2
 - Map the applicable IA controls into the AWS specifications
- Provide a process for necessary IA Products (e.g. data/network encryptors, firewalls and intrusion detection devices) and IA-Enabled Information Technology Products (e.g. security-enabled web browsers, screening routers, trusted operating systems and security-enabled messaging systems) to be included in AWS Specifications, Design and Equipment/Computer Programs as part of the System Engineering Process.
- Verify IA and IA-Enabled hardware, firmware and software has undergone Common Criteria Certification
 - If IA or IA-enabled COTS has not undergone a Common Criteria evaluation, submit the COTS for evaluation to an approved common Criteria Testing Laboratory
- Develop Test Procedures to verify IA Requirements and conduct IA Verification testing during Combat System Integration and Test
 - Document vulnerabilities discovered during IA testing and submit needed change requests to fix vulnerabilities.
- Develop Information Assurance Plan that addresses risk associated with viruses and other malicious code.
- Support MDA/AB in planning testing leading to Interim Authority To Operate (IATOs)
- Support planning for IA Validation and Certification (ashore and on board ship) including Authority To Operate (ATO)

3.18 Technical Manuals

The Contractor shall provide an advance copy of technical documentation to support shore based crew training, preliminary documentation with the computer programs and final documentation after FTMs and initial fleet comments. Advance Technical Manuals and Quick Reference Guides (QRGs) shall be based upon the specifications provided for the appropriate design review. Each technical instruction shall define the technical manuals associated with each computer program delivery. (CDRLs A026, A033 and A034)

3.19 Training

The Contractor shall provide services, equipment and computer programs to support MDA/AB efforts to plan, develop and conduct Aegis BMD baseline training. Training shall be conducted in accordance with the approved Aegis BMD Baseline Training Plan.

The Contractor shall provide training consisting of system, maintenance and tactical (TACOPS) training for ships crews, train-the-trainer events, and tactical training for fleet and joint staffs including Flag Officer-General Officer training. Training shall be conducted aboard ship, at shore facilities and at the New Jersey Sites, including CSEDS.

The contractor shall develop curriculum for the school house pipeline training and support at the Center for Surface Combat Systems (CSCS) in the development of web enabled NKO and Integrated Courseware. Shipboard training shall include interactive multimedia instruction.

The contractor shall support CSCS, Dahlgren in preparing to begin traditional U.S. Navy training for the crews including providing CSCS, Dahlgren and SCSC Wallops Site Activation packages with associated technical documentation.

Training materials shall be updated per each technical instruction. (CDRL A027)

3.20 Flight Test Mission

The Contractor shall provide FTM support including Pre-Mission Analysis, Mission Execution support and Post Mission Analysis and support to Operational Test and Evaluation (T&E) including:

- Support the planning including development, prioritization, and assignment of Aegis-related test objectives; determination of ship Test Support Positions, and event scenarios
- Provide Aegis BMD system performance predictions to support test and evaluation objectives
- Support the development of flight test plans and shipboard flight test procedures, as required
- Support pre-mission land-based testing, shipboard risk reduction tests and event conduct including Link-16 related efforts

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- Provide support and presentations for the test and evaluation process (i.e. Scenario Certification, Mission Control Panel, Range Readiness Review, and Mission Readiness Review)
- Perform pre-mission T&E tasks including scenario development and certification, performance predictions, Waterfront Integration, and crew training, as required.
- Provide personnel onboard the designated Aegis ship(s) during At-Sea Test Events to train the crew and provide assistance,
- Perform post-event data analysis and present results at the Aegis At-Sea Event Quicklook Data Review (nominally 14 days post event) and the Aegis At-Sea Event Mission Data Review (nominally 60 days post event)
- Generate Aegis BMD Test Report input to support development of a final test report after each At-Sea Event (nominally 30 days after the Aegis At-Sea Event Mission Data Review)

3.21 Modeling, Simulation and Test

The Contractor shall develop and maintain MS&T tools following the Aegis System Engineering process as needed to support Performance Analysis, AWS design and development, AWS computer program development and test, ACS Integration and Test, Baseline Verification and Validation (including FTMs, Ground Test Campaigns and M&S Runs for the Record)), BMDS Integration, Performance Assessments and Operational Real World assessments.

Tools, when combined with land based tactical hardware, infrastructure and telecommunication networks, shall be capable of testing internal and external interfaces for AWS, ACS and BMDS. Tools shall also be capable of AWS Elements standalone testing, site to site testing (e.g.

(b)(4)

(b)(4)

The Contractor shall design, develop, integrate, operate, and sustain the following in support of (b)(4) and/or distributed simulation activities: (b)(4)

(b)(4)

The Contractor shall maintain and support a version of MEDUSA to support performance assessment at MDA sites as authorized by technical instruction. The data flow and dependencies of these components are primarily through the HIL facilities, though a variety of equivalent or lower fidelity simulations, High Level Architecture extensions and specialized test equipment shall also be provided to support design and developmental testing.

3.22 Integrated Logistics Support

The Contractor shall provide the following Integrated Logistics Support (ILS) services and material for Aegis BMD responsibilities:

- Support the update and deliver the Aegis BMD Baseline ILS products to the Navy program of record
- Develop and deliver Level of Repair Analysis
- Conduct RM&A analysis and spares modeling (including Logistics Support Analysis and Provisioning Technical Documentation)

- Update AWS Operator and Maintenance Technical Manuals, QRG and Operating Principles and Procedures (OPP).
- Assist the Lifecycle System Engineering Agent (LSEA) and In-Service Engineering Agent (ISEA) in updating Operating Manuals including the Combat System Operation Sequence System, Combat System Technical Operations Manual, Radar Systems Capability Handbook, Capabilities and Limitations Manual and System Operability Test Manuals.
- Prepare the initial Planned Maintenance System (PMS) (Maintenance Index Pages and Maintenance Requirements Cards) and assist the ISEA with the Proof-In of PMS
- Support Aegis BMD Baseline ILS Certification
- Assess COTS Health and Obsolescence; develop a COTS Refresh Strategy for BMD responsible Contractor Purchased Material (CPM), continuously monitor the end of sale, end of support dates for COTS equipment utilized in Contractor Purchased Material, identify DMS issues and provide recommendations for life of type buys strategies, for production and sparing, as required
- Provide logistics support for Aegis BMD responsible contractor purchased material at the New Jersey Sites, at Virginia Sites and for the ships.
- The Contractor shall provide repair services and materials, replacements parts and Repair of Repairables with firmware updates, where required. DMS material and SHIPALT material are included.

3.23 Ship Integration and Test

The Contractor shall be responsible to plan and conduct the installation, test and checkout of the applicable Aegis BMD Baseline Weapon System modifications aboard Aegis Cruiser(s) and Destroyer(s) IAW the Surface Ships and Carrier Entitled Process for Modernization (SSCEPM) operations and Management Manual, 5L720-AA-MAN-30 to include:

- Complete BMD responsible efforts for the Technical Data Package (TDP) and installation planning
- Participate in reading/review sessions with the LSEA, ISEA and planning yard to ensure completeness of the TDP product
- Update TDP drawings to account for ship unique configurations and provide updated drawings to support the installation schedule
- Conduct Logistics/Material Planning, Pre-Installation Planning
- Accomplish necessary modification to shipboard compartments and distributive systems
- Accomplish equipment installation and equipment testing including the Aegis Installation Team
- Conduct Systems level testing including Weapons System Checkout
- Execute stage 1-7 staged test procedures including transparency tests.
- Provide Onsite Logistics/Material support

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The Contractor shall be responsible for subcontracted work including all required shipyard industrial support and to have these services under subcontract not later than four months prior to the start of the availability (J-4).

3.24 Implementation of Mission Assurance Provision (MAP)

The MAP and PMAP provide a measurable, standardized set of Quality, Safety, and Mission Assurance requirements to be applied to developers for mission and safety critical items in support of evolutionary acquisition and deployment of MDA systems. Mission and safety critical items are those items where failure would directly affect system or personnel safety, mission success, or operational readiness.

In accordance with the above, the Contractor shall update and maintain accountability and compliance for fulfilling the Quality, Safety and Mission Assurance requirements defined in the MDA Assurance Provisions (MAP), MDA-QS-001-MAP Rev A (or current version), and the MDA Parts, Materials, and Processes Mission Assurance Plan (PMAP), MDA-QS-003-Rev A (or current version). Accountability shall be documented through the assignment of specific roles, responsibilities, and authorities.

It is expected that the developer is fully compliant to the MAP and PMAP and will document all areas of partial and non-compliance in the MAP Exceptions Matrix (CDRL A041) and PMP Compliance Plan. The MAP Exceptions Matrix shall also include a risk assessment for those documented provisions. The level of accountability and compliance shall apply to all CLINs for weapons systems development with the exception of the following: 0007; 0020; 0025; 0026; 0100; 0101 and 0102 (ABMD International Support).

The developer shall establish a program, which identifies, selects, evaluates new technologies, and incorporates technologies that improve software quality, increase productivity, and decrease development cycle time. This program shall include establishing the responsibilities and authority for implementing the policy, allocation of resources for technology change management activities, and coordinating requirements and issues associated with technology change management in accordance with CDRL A041.

CLINs 0001, 0002, 0003 (Option) –

(b)(4)

The Contractor shall provide system engineering, program management and other efforts including maintenance and upgrade of M&S tools, as required, to complete the development and (b)(4) the integration of the SM3 Block IB missile, support U.S. Navy certifications and support Ship Installation, Test and Checkout for the first Fleet ship in accordance with the schedule of Attachment J-4.

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The Contractor shall update the computer programs to resolve appropriate Post Delivery issues including:

- Prepare problem reports, as necessary,
- Perform requisite engineering to evaluate problems for their effect on the Aegis BMD AWS and computer programs
- Propose solutions to the SIB, as applicable.
- Implement corrections for appropriate CPCR's including ones applicable from the Computer Program Acceptance Panel, certification process and FTM results
- Conduct the associated ET&E/MEIT and Regression testing
- Deliver the computer program updates and support NSWC Dahlgren in certification efforts
- Maintain a comprehensive TOR/CPCR STARSYS and synchronize STARSYS and NSWC/DD ACCESS CPCR Data Bases
- Propose and provide Aegis BMD AWS specification changes, where required.

The Contractor shall provide FTM support per the requirements including Pre-Mission Analysis, Mission Execution support and Post Mission Analysis and support to Operational T&E.

The Contractor shall be responsible to plan and conduct the installation, test and checkout of the applicable (b)(4) modifications aboard an Aegis Cruiser in FY 2011 in Pearl Harbor, Hawaii in accordance with the requirements. Staged test procedures shall include transparency testing for Aegis AAW Baseline 5.3.9.

The contractor shall provide technical drawing updates in accordance with CDRL A029 in support of execution of the stated requirements.

The Contractor shall also provide required modification kit(s), for the procurement of the In Service Signal Processor Modifications and the Electronic Cooling Water Modifications. The Contractor shall provide Contractor Purchased Material as necessary. The completion of CLIN 0001 is based on the successful completion of the following milestones, in accordance with the schedule as defined in Attachment J-4 and the milestone completion criteria defined in Attachment J-8:

- (b)(4)
-
-

CLIN 0004, 0005, 0006 - (b)(4)

(b)(4)

As the Aegis BMD CSEA and Aegis BMD Weapon System design, development and computer program source, the Contractor shall provide the necessary material, equipment, supplies and technical engineering to define, develop, integrate, test, deliver, install and field Aegis BMD 5.0

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Weapon System capability for Aegis Destroyers. The Contractor shall provide program management, system engineering, computer program development and test, system testing, shipboard installation/test/checkout and support to flight tests and certification en route to operational capability for Aegis Destroyers in accordance with the schedule of Attachment J-4.

The Contractor shall assure that the baseline, as fielded, meets the applicable requirements of the Specifications:

- Aegis BMD Baseline 5.0 Element Capability Specifications dated 3 December 2007
- System Specification for Aegis Cruisers and Destroyers for Ballistic Missile Defense (Aegis BMD Baseline 5.0) (Type A) dated 12 June 2008

The Contractor shall also assure that the baseline, as fielded, meets applicable U.S. Navy certification requirements and is integrated and interoperable with the other BMDS Elements in accordance with BMDS System Specification.

Following the existing Aegis BMD System Engineering process, the Contractor shall assist development of the ECS and associated BMDS V&V documentation in conjunction with MDA, develop the ACS solutions in conjunction with the other BMDS Elements and component contractors, allocate Aegis BMD ACS performance requirements and error budgets to functional subsystems and components, develop Aegis BMD Weapon System Specifications, design/code/test the Aegis BMD Weapon System computer programs, conduct Element, Multi-Element and System integration testing (both land-based and at sea), support the systems demonstration, support the shipboard installation, test and checkout and support V&V through FTMs.

The Contractor shall complete the development and deliver Aegis BMD Baseline 5.0 as an integral part of an Aegis baseline either being developed or fielded. The Contractor shall support certification of Aegis BMD Baseline 5.0, installation, test and checkout of the associated (b)(4) and subsequent FTMs. Aegis BMD Baseline 5.0 shall replicate Aegis BMD Baseline 4.0.1 in open architecture, include (b)(4) Engagement Capability, provide multi mission (AAW and BMD) warfare integration and signal processor development, improve MK 41 VLS and Mission Planner and provide other capabilities including C4I in 2012.

The Contractor shall specify, design, code, test, integrate, document and deliver Aegis BMD Baseline 5.0 computer programs following established Aegis System Engineering practices. The Contractor shall conduct consolidated Aegis BMD Baseline 5.0 computer program testing at CPTS, CSEDS and aboard ship. Testing shall verify integration of Aegis BMD Baseline 5.0 computer programs and the Government furnished computer programs and include regression testing to verify successful architectural conversion and BMD and AAW multi mission integration. A Systems Demonstration shall be held at the CSEDS which will include BMD 5.0 functionality.

The Contractor shall meet the requirements for Program Management, Cost/Schedule Management, Combat System Engineering, Computer Program Development, Design, Code, Test and Delivery, Baseline Requirements Change Assessment, Performance Analysis, Site

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Installation and Site Equipment Development, Integration and Test, System Safety, RM&A Engineering, HSI, Data Management, QAP, Configuration Management, IA and Technical Manuals and Training Materials.

The Contractor shall complete all Aegis BMD responsible ship integration tasks (i.e., participation in Demonstration Number One) necessary for installation, test and checkout of the BMD Weapon System modifications aboard an Aegis Destroyer in 2012, per the requirements.

The Contractor shall provide ILS services and material for Aegis BMD responsibilities, per the requirements.

The Contractor shall provide technical drawings in accordance with CDRL A029.

The Contractor shall provide Aegis BMD responsible training per the requirements.

The Contractor shall provide At Sea Demonstration (in the form of a CSSQT) and FTM support per the requirements, including Pre-Mission Analysis, Mission Execution support and Post Mission Analysis.

The Contractor shall provide for the integration of the ACTS superset.

The Contractor shall maintain and upgrade MS&T tools per the Requirements (AEGIS Combat System Interface Simulator (b)(4)), following the Aegis System Engineering process, as needed to support Performance Analysis, AWS design and development, AWS computer program development and test, ACS Integration and Test, FTMs, and BMDS Integration efforts for Aegis BMD Baseline 5.0.

The Contractor shall also provide Contractor Purchased Material as necessary.

The completion of CLIN 0004 is based on the successful completion of the following milestones, in accordance with the schedule as defined in Attachment J-4 and the milestone completion criteria as defined in Attachment J-8:

- ABMD (b)(4)
- (b)(4)

CLIN 0007 (OPTION) – Aegis BMD Weapon System Development – Emergent Threat (LOE - CPAF)

As authorized by technical instruction, the Contractor shall provide the technical engineering required to define an “In Compliance” capability against an emergent threat as an integral part of the Aegis BMD Baseline Weapon System delivery.

After MDA/AB identifies the candidate threat, the Contractor shall conduct a Baseline Change Requirements Assessment.

After evaluation of the Contractor's assessment, MDA/AB shall make a decision on adding the candidate threat to the "In Compliance" list in the ECS and authorizing the Contractor to proceed via modification to the contract.

CLINS 0008, 0009, and 0010 - RESERVED

CLIN 0011, 0012, 0013 –Multi Mission Signal Processor (MMSP) Development and CDRLs (Completion – CPIF, AF, Technical/Schedule Incentive Fee)

The Contractor shall provide for Signal Processor development (hardware and software), Transmitter development (hardware), Development and Operational Test Engineering Support and System/Subsystem Analysis in accordance with Attachment J-4.

The Contractor shall complete the MMSP Core Design and Development Phase, which is focused on development of a CSEDS Signal processor. The Contractor shall provide Systems Engineering Integration and Test (SEIT); Readiness analysis; Beam Steering Controller (BCS), Digital Processor and RF Processor design, development and test; Processor level Integration and Test; and conduct Production Readiness Review.

The Contractor shall plan and execute the MMSP Delivery, installation, and checkout phase which includes completion of a Multi Mission Radar Exercise using the CSEDS Signal Processor.

The Contractor shall provide a Level 3 Technical Data Package (TDP) in accordance with the requirements of CDRLs A043, A045, A046, A047, A048, A049, and A051 and the associated CDRL Enclosures. The TDP shall be delivered with Rights in technical data per DFARS Clause 252.227-7013 and without Circuit Card Assemblies acceptance test procedures which are dependent on specific Automatic Test Equipment. A TDP Guidance Conference will be held within 90 days after contract award. In Process Review(s), Physical Configuration Audit(s) and a Final Technical Review will also be held.

Preliminary drawings for in-process review will be delivered 45 days prior to Production Readiness Review (PRR). Final data to be delivered 90 days after review. Subsequent delivery of new and updated product Drawings/Models and Associated Lists will be not later than 60 days after the Multi-mission Exercise (MMX).

The completion of CLIN 0011 is based on the successful completion of the following milestones, in accordance with the schedule as defined in Attachment J-4 and the milestone completion criteria as defined in Attachment J-8:

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- (b)(4)
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CLINs 0014, 0015, 0016 - RESERVEDCLIN 0017, 0018, 0019 – Aegis BMD Baseline 5.1 Weapon System Development (LOE - CPIF, AF, Technical/Schedule Incentive Fee)

As authorized by technical instruction, the Contractor shall provide system engineering and program management to continue development of Aegis BMD Baseline 5.1 through the SDR, and conduct the associated critical experiments in accordance with the schedule of Attachment J-4.

Aegis BMD Baseline 5.1 shall modify Aegis BMD Baseline 5.0 to provide engagement capability against additional threats by integrating the SM-3 Block IIA and the associated Missile Encryption Upgrade and by providing Ascent Phase capabilities, Engage on Remote capabilities and C4I and MK41 VLS improvements.

The Contractor shall meet the requirements for Program Management, Cost/Schedule Management, Combat System Engineering, Computer Program Development, Design, Code, Test and Delivery, Baseline Requirements Change Assessment, Performance Analysis, Critical Experiments, Site Installation and Site Equipment Development, Integration and Test, System Safety, RM&A Engineering, HSI, Data Management, QAP, Configuration Management, IA and Technical Manuals and Training Materials.

The Contractor shall maintain and upgrade the (b)(4), as required, to support development and test of Aegis BMD Baseline 5.1, per the requirements.

The Contractor, as the CSEA, shall provide Technical Director and System Engineer support to the planning and execution of critical experiments, including risk reduction efforts for the Engage on Remote capability.

The Contractor shall participate in AB-BC-DE Study Groups across element working group to resolve communications issues.

CLINs 0020 and 0021 – Post Certification Weapon Systems Support (LOE CPIF, AF)

As authorized by technical instruction, the Contractor shall provide system engineering and program management services in accordance with established Aegis System Engineering practices for the post certification support of Aegis BMD Baselines 3.6.1, 4.0.1 and 5.0.

The Contractor shall support computer program maintenance including:

- Prepare problem reports, as necessary

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- Perform requisite engineering to evaluate problems for their effect on the Aegis BMD AWS and computer programs
- Propose solutions to the SIB, as applicable.
- Implement appropriate CPCR's
- Conduct the associated ET&E/MEIT and Regression testing
- Provide computer program updates

The Contractor shall maintain a comprehensive TOR/CPCR STARSYS and synchronize STARSYS and NSWC/DD ACCESS CPCR Data Bases.

Where required, the Contractor shall also propose and provide Aegis BMD AWS specification changes.

The Contractor shall provide FTM and ASD support including Pre-Mission Analysis, Mission Execution support and Post Mission Analysis and support to Operational Test and Evaluation, per the requirements.

The Contractor shall evaluate candidate upgrade systems or equipments and implement approved upgrades including:

- Conduct a Baseline Change Requirements Assessment
- Support evaluation of the Assessment through the MDA/AB Change Control Board (CCB) Process
- Implement approved changes, as authorized by technical instruction, following the System Engineering Process including preparation of Specification and Design Changes, modification of the computer programs, regression testing and delivery of the computer program updates, as appropriate.

The Contractor shall support Contractor Purchased Material requirements including technical support and Technical Refresh efforts.

The Contractor shall provide technical drawing updates in accordance with CDRL A029 in support of execution of the stated requirements.

The Contractor shall perform LKE cabling Cleanup and removal of BMD Test Suite, test equipment, etc., in support of FTM 17.

CLIN 0022 – Ballistic Missile Defense System (BMDS) Integration Support (LOE CPAF)

As authorized by technical instruction, the Contractor, as the CSEA, shall provide system engineering and program management efforts to support planning, preparation, execution and analysis for BMDS exercises (including FTMs, Ground Test Campaigns and M&S Runs for the Record) and BMDS Integration Exercises.

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The Contractor shall work in close cooperation with MDA, the Collaborative Analysis and Assessment Forum (CAAF), the Program Offices for other BMDS Elements, the Prime Contractors for the other BMDS Elements, the MDA National Team and the Aegis BMD Community. The Contractor shall participate in MDA Joint Working Groups including the joint Aegis BMD/GMD WG, Joint Analysis Group (JAG), Aegis BMD/TPY-2 Engineering Team (ATET), THAAD WG, and Patriot WG across element working group to resolve communications issues.

The Contractor shall maintain and upgrade the (b)(4) as required to support BMDS Integration efforts, as authorized by TI.

BMDS interoperability is a joint effort with MDA and the other Elements of the BMDS requiring companion scope of work in the other BMDS Elements SOW for successful execution.

The Contractor shall support Data Analysis Group, JAG meetings and development of the MDA M&S Master Plan. The Contractor shall work in conjunction with BMDS Elements to define appropriate modeling and simulation interfaces to be used as an evaluation tool for the BMDS, with applicable modifications.

CLIN 0023 – Modeling, Simulation and Test Support (LOE CPIF)

As authorized by technical instruction, the Contractor shall:

- The contractor shall upgrade the Beowulf Cluster to support future BMD testing requirements.
- Provide Program Management and System Engineering to assure the horizontal integration and continuity of modeling, simulation and test capability across all Aegis BMD programs with focus on Surveillance (Long Range Surveillance and Track design and integration with the BMDS elements), Engagement (AWS design and development for integration with Standard Missile) and BMDS interoperability (System of System interoperability and system capability Performance Assessments).
- Maintain and upgrade the Performance Assessment Tool, BMD Virtual Aegis Combat System Simulator, MDA Single Stimulation Framework, Digital Simulation Architecture, and other tools, as authorized by technical instruction.

The Contractor shall support Critical Engagement Condition efforts.

The Contractor shall support planning and preparations for Operational and Developmental Tests.

The Contractor shall provide V&V plan IAW CDRL A052.

CLIN 0024 – Award Fee for CLIN 0023**CLIN 0025 - Future Studies (LOE CPAF)*****Aegis BMD Advanced Technology Initiatives***

As authorized by technical instruction, the Contractor shall support advanced concepts initiatives by the Aegis BMD Program Office to identify technology for introduction into present and future Aegis BMD Baselines or Spirals. The Contractor shall provide systems engineering, program management, performance assessment, M&S support and other efforts, as required, to identify technology needs, assess criticality, assess candidate technologies and develop technology demonstration plans for risk reduction including critical experiments. Synergy with existing and planned MDA/AB and BMDS programs shall be investigated for applicability to Aegis BMD development efforts including interoperability with off-board sensors and joint systems. The Contractor shall participate on various teams and working groups with MDA/AB, MDA, the National Team, and international partners as directed by the Aegis BMD Program Office.

Future Baselines

As authorized by technical instruction, the Contractor shall provide program management and system engineering support to MDA/AB, U.S. Navy and MDA efforts for Engagement Sequence Definition, Program planning, Concept Development and Functional Baseline Development for Future Baselines. Advanced Radar Studies work is included.

Strategic (Summer) Studies

As authorized by technical instruction, the Contractor shall conduct comprehensive analyses on the need for and deployment of missile defense capability, including both land-based and sea-based solutions, against the full range of missile threats. The Contractor shall work with MDA, in conjunction with U.S. Northern Command and U.S. Strategic Command, and provide recommendations for deployment options of missile defense capability that would protect population centers, use mature technologies, and include progressions for spiral technology upgrades that would enhance missile defense capabilities over time. Critical data collection experiments are included.

Dahlgren Operations

As authorized by technical instruction, the Contractor shall provide program management and system engineering support for Aegis BMD Operations including support for T&E video production, engineering working groups and Aegis BMD booth support at conferences and trade shows.

Aegis BMD Baseline 4.0.1 Engineering Release (ER) Weapon System Development and Test

As authorized by technical instruction, the contractor shall develop the Aegis BMD Baseline 4.0.1 Engineering Release (ER), Weapon System modifications to support test firings of developmental rounds of the SM-3 Block IIA, including FTM in 2013 and 2014. As a risk reduction effort for SM-3 block IIA missile development and the associated combat system integration in Aegis BMD Baseline 5.1, Aegis BMD Baseline 4.0.1ER shall develop the algorithms (e.g., weapons control, missile communications) and modify and test the Aegis BMD 4.0.1 computer program in the legacy UYK-43 computers and point to point architecture as necessary to safely fire the SM-3 Block IIA developmental rounds at sea and accomplish the test objectives in accordance with the schedule of Attachment J-4.

The contractor shall specify and design, Aegis BMD Baseline 4.0.1ER computer programs following established Aegis System Engineering practices in preparation for a System Design Review (SDR).

CLINs 0026 and 0027 – Ship Integration and Test, Integrated Logistics Support, Training (LOE CPIF, AF)

As authorized by technical instruction, the Contractor shall provide system engineering, program management and other efforts, as required, following established Aegis System Engineering practices, to support Ship Integration and Test, ILS and Training efforts for Aegis BMD Baseline 3.6.1, Aegis BMD Baseline 4.0.1, Aegis BMD Baseline 5.0 and Aegis BMD Baseline 5.1, per the requirements (except for work addressed in Contract Lines Items 0001 and 0004).

The Contractor shall support all installation planning activities for 4.0.1 and 5.0.

CLIN 0028 – Data in accordance with CDRLs

In accordance with the Contract Data Requirements List (CDRL), Exhibit A, to this contract.

CLIN 0100 – (OPTION) Aegis BMD Baseline 4.0.1 Ship Installations (FY 2012, FY 2013 Ships) (LOE CPIF, AF)

As authorized by technical instruction, the Contractor shall be responsible to conduct the installation, test and checkout of the Aegis BMD Baseline 4.0.1 Weapon System modifications aboard four Aegis Cruiser(s) or Destroyer(s) in FY 2012 and FY 2013 in Pearl Harbor, Hawaii, per the requirements. In the event that the Ship availabilities are subsequently reassigned to CONUS shipyards, the Contractor's support would be reduced to the following:

- Provide expert advice to support MDA/AB in assessing installation planning and progress by a shipyard under contract to MDA/AB.
- Provide installation assistance in critical technology areas such as installation, termination, connection and test of all data cables including, but not limited to, TRIAX, COAX, CAT 5 and Fiber Optic cables.
- Provide Logistics/Material Planning and on site Logistics/Material support. The Contractor shall stage, kit, ship, install and test applicable ORDALT/ECP kits including

those for the Electronic Cooling Water System, ORTS Equipment, AN/UYK computers and In Service Signal Processor.

- Execute the stage 1-7 staged test procedures including foundation flatness for BMD installed equipment, cable QA, 5.3.9 transparency tests and Weapons System Checkout. Staged test procedures will be accomplished in port and during five to seven days at sea.

The Contractor shall also provide required modification kit(s) for Contractor Purchased Material.

The Contractor shall comply with the provisions of the Surface Ships and Carrier Entitled Process for Modernization (SSECPM) Operations Management Manual.

The Contractor shall provide for the planning and execution of the LKE and PTR upgrade installations (Gen 3+ as well as EDM to production configuration upgrades)

CLIN 0101 – (OPTION) Aegis BMD Baseline 5.0 Shipboard Installations (FY 2012, FY 2013 Ships) (LOE CPIF, AF)

As authorized by technical instruction, the Contractor shall conduct the test and checkout of the Aegis BMD Baseline 5.0 Weapon System modifications aboard up to four Aegis Destroyer(s) in FY 2012 and FY 2013, per the requirements.

The Contractor shall comply with the provisions of the Surface Ships and Carrier Entitled Process for Modernization (SSECPM) Operations Management Manual.

The Contractor shall also provide required modification kit(s) for Contractor Purchased Material.

CLIN 0102 – (OPTION) Aegis BMD International Support (LOE CPAF)

Aegis BMD International Sea Based Ballistic Missile Defense Studies and Aegis BMD International Baseline Definition

The Contractor shall provide Program Management and Systems Engineering to assist International Partners in identifying and evaluating viable options for introducing Sea Based Ballistic Missile Defense and defining a tailored Aegis BMD Combat System Baseline, as authorized by technical instruction.

Aegis BMD International Baseline Design, Development

The Contractor shall provide initial planning, trade studies, and risk reduction efforts to include Price and Availability (P&A) development for the implementation of sea-based BMD capability to foreign Navies ships including hardware and software design approach, technology protection assessment and method, equipment location and cabling (ship impacts), and DMS/supportability. The effort can include the conduct of SRR, SDR but is not to exceed PDR, as authorized by technical instruction.

Aegis BMD International Baseline Post Delivery, Validation and Lifetime Support

The Contractor shall provide necessary material and technical engineering to support Computer Program Maintenance, FTM support, Demonstration Support, Shipboard Installation and Test; Shore Site Support and Upgrade, ILS, and Training for International Partners, as authorized by technical instruction.

DEPARTMENT OF DEFENSE CONTRACT SECURITY CLASSIFICATION SPECIFICATION				1. CLEARANCE AND SAFEGUARDING	
(The requirements of the National Industrial Security Program Operating Manual (NISPOM) apply to all security aspects of this effort)				a. FACILITY CLEARANCE REQUIRED TOP SECRET	
				b. LEVEL OF SAFEGUARDING REQUIRED TOP SECRET	
2. THIS SPECIFICATION IS FOR (x and complete as applicable)				3. THIS SPECIFICATION IS: (x and complete as applicable)	
X	a. PRIME CONTRACT NUMBER HQ0276-10-C-0001		X	a. ORIGINAL (Complete date in all cases) Date (YYMMDD) 2009/10/0	
	b. SUBCONTRACT NUMBER			b. REVISED (Supersedes all previous specs) Revision No. Date (YYMMDD)	
	c. SOLICITATION OR OTHER NUMBER HQ0276-09-R-0001 Due Date (YYMMDD)			c. FINAL (Complete Item 5 in all cases) Date (YYMMDD)	
4. IS THIS A FOLLOW-ON CONTRACT? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO If Yes, complete the following					
Classified material received or generated under N00024-03-C-6110 (Preceding Contract Number) is transferred to this follow-on contract.					
5. IS THIS A FINAL DD FORM 254? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO If Yes, complete the following					
In response to the contractor's request dated _____, retention of the identified classified material is authorized for the period of _____					
6. CONTRACTOR (Include Commercial and Government Entity (CAGE) Code)					
a. NAME, ADDRESS, AND ZIP CODE Lockheed Martin Corp, Maritime Systems & Sensors P. O. Box 1027 Moorestown, NJ 08057-0927			b. CAGE CODE 02769	c. COGNIZANT SECURITY OFFICE (Name, Address, and Zip Code) Defense Security Service (IOFNM) 307 Fellowship Road, Suite 115 Mt. Laurel, NJ 08054-1233	
7. SUBCONTRACTOR					
a. NAME, ADDRESS, AND ZIP CODE			b. CAGE CODE	c. COGNIZANT SECURITY OFFICE (Name, Address, and Zip Code)	
8. ACTUAL PERFORMANCE					
a. LOCATION			b. CAGE CODE	c. COGNIZANT SECURITY OFFICE (Name, Address, and Zip Code)	
9. GENERAL IDENTIFICATION OF THIS PROCUREMENT Aegis Ballistic Missile Defense					
10. THIS CONTRACT WILL REQUIRE ACCESS TO:		YES	NO	11. IN PERFORMING THIS CONTRACT, THE CONTRACTOR WILL:	
a. Communications Security (COMSEC) Information		<input checked="" type="checkbox"/>	<input type="checkbox"/>	a. Have Access To Classified Information Only At Another Contractor's Facility Or A Government Activity	
b. Restricted Data (RD)		<input checked="" type="checkbox"/>	<input type="checkbox"/>	b. Receive Classified Documents Only	
c. Critical Nuclear Weapon Design Information (CNWDI)		<input checked="" type="checkbox"/>	<input type="checkbox"/>	c. Receive And Generate Classified Material	
d. Formerly Restricted Data (FRD)		<input checked="" type="checkbox"/>	<input type="checkbox"/>	d. Fabricate, Modify, Or Store Classified Hardware	
e. Intelligence Information:				e. Perform, Services Only	
(1) Sensitive Compartmented Information (SCI)		<input checked="" type="checkbox"/>	<input type="checkbox"/>	f. Have Access To United States (US) Classified Information Outside The US, Puerto Rico, US Possessions And Trust Territories	
(2) Non-SCI (b)(6)		<input checked="" type="checkbox"/>	<input type="checkbox"/>	g. Be Authorized To Use The Services Of Defense Technical Information (b)(6) Other Secondary Distribution Center	
f. Special Access		<input checked="" type="checkbox"/>	<input type="checkbox"/>	h. Require a COMSEC Account	
g. North Atlantic Treaty Organization (NATO) INFORMATION		<input checked="" type="checkbox"/>	<input type="checkbox"/>	i. Have TEMPEST Requirements	
h. Foreign Government Information		<input checked="" type="checkbox"/>	<input type="checkbox"/>	j. Have Operations Security (OPSEC) Requirements	
i. Limited Dissemination Information		<input type="checkbox"/>	<input checked="" type="checkbox"/>	k. Be Authorized To Use The Defense Courier Service (DCS)	
j. For Official Use Only (FOUO) Information (Includes Term Controlled Unclassified Information (CUI)) (b)(6)		<input checked="" type="checkbox"/>	<input type="checkbox"/>	l. Other (Specify) See page 5 of FOUO Addendum for Access restrictions to Contractor's Unclassified Local Area Network (LAN).	
k. Other					
l. Government					
Aegis BMD					

12. **PUBLIC RELEASE.** Any information (classified or unclassified) pertaining to this contract shall not be released for public dissemination except as provided by the NISPOM or unless it has been approved for public release by appropriate US Government authority. Proposed public release shall be submitted for approval prior to release.

☐ Direct ☒ Through (Specify)

Missile Defense Agency
7100 Defense Pentagon: Attn: Public Affairs (MDA/PA)
Washington, DC 20301-7100

to the Directorate for Freedom of Information and Security Review, Office of the Assistant Secretary of Defense (Public Affairs)* for review
*In the case of non-DoD User Agencies, requests for disclosure shall be submitted to that agency.

13. **SECURITY GUIDANCE.** The security classification guidance needed for this classified effort is identified below. If any difficulty is encountered in applying this guidance or if any other contributing factor indicates a need for changes in this guidance, the contractor is authorized and encouraged to provide recommended changes, to challenge the guidance or the classification assigned to any information or material furnished or generated under this contract; and to submit any questions for interpretation of this guidance to the official identified below. Pending final decision, the information involved shall be handled and protected at the highest level of classification assigned or recommended. (Fill in as appropriate for the classified effort. Attach, or forward under separate correspondence, any documents/guides/extracts referenced herein. Add additional pages as needed to provide complete guidance.)

(b)(5)

14. **ADDITIONAL SECURITY REQUIREMENTS.** Requirements, in addition to NISPOM requirements, are established for this contract. (If Yes, identify the pertinent contractual clauses in the contract document itself, or provide an appropriate statement which identifies the additional requirements. Provide a copy of the requirements to the cognizant security office. Use item 13 if additional space is needed.)

☒ Yes ☐ No

(b)(5)

15. **INSPECTIONS.** Elements of this contract are outside the inspection responsibility of the cognizant security office. (If Yes, explain and identify specific areas of elements carved out and the activity responsible for inspections. Use Item 13 if additional space is needed.)

☒ Yes ☐ No

(b)(5)

16. **CERTIFICATION AND SIGNATURE.** Security requirements stated herein are complete and adequate for safeguarding the classified information to be released or generated under this classified effort. All questions shall be referred to the official named below.

a. TYPED NAME OF CERTIFYING OFFICIAL
(b)(6)

b. TITLE
Contracting Officer's Industrial Security
Representative

c. TELEPHONE (Include Area Code)
(b)(6)

d. ADDRESS (Include Zip Code)

Missile Defense Agency (MDA/DXSS)
7100 Defense Pentagon
Washington, DC 20301-7100

17. **REQUIRED DISTRIBUTION**

- | | |
|-------------------------------------|---|
| <input checked="" type="checkbox"/> | a. CONTRACTOR |
| <input type="checkbox"/> | b. SUBCONTRACTOR |
| <input checked="" type="checkbox"/> | c. COGNIZANT SECURITY OFFICE FOR PRIME AND SUBCONTRACTOR |
| <input checked="" type="checkbox"/> | d. U.S. ACTIVITY RESPONSIBLE FOR OVERSEAS SECURITY ADMINISTRATION |
| <input checked="" type="checkbox"/> | e. ADMINISTRATIVE CONTRACTING OFFICER |
| <input checked="" type="checkbox"/> | f. OTHERS AS NECESSARY : MDA/DXSS, MDA/AB 452 S, & MDA/DXSP |

e. SIGNATURE
(b)(6)

AWARD FEE PLAN
FOR
AEGIS BALLISTIC MISSILE DEFENSE
WEAPON SYSTEMS DEVELOPMENT

Lockheed Martin Maritime Systems and Sensors

HQ0276-10-C-0001

APPROVED:

(b)(6)



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1.0 INTRODUCTION

This award fee plan is the basis for the evaluation of the contractor's performance for Aegis Ballistic Missile Defense Weapon System Development and for presenting an assessment of that performance to the Fee Determining Official (FDO). It describes specific criteria and procedures used to assess the contractor's performance and to determine the amount of award fee earned. Actual award fee determinations and the methodology for determining award fee are unilateral decisions made solely at the discretion of the Government.

The award fee will be provided to the contractor through contract modifications and is in addition to the Cost Incentive Fee and Technical/Schedule Incentive Fee provisions of the contract. The award fee earned and payable will be determined by the FDO based upon review of the contractor's performance against the criteria set forth in this plan. The FDO may unilaterally change this plan prior to the beginning of an evaluation period. The contractor will be notified of changes to the plan by the Contracting Officer (CO), in writing, 30 days before the start of the affected evaluation period. Changes to this plan that are applicable to a current evaluation period will be incorporated by mutual consent of both parties.

2.0 ORGANIZATION

The award fee organization consists of the FDO; an Award Fee Advisory Council (AFAC); an Award Fee Review Board (AFRB); Performance Monitors; and the Award Fee Secretariat (AFS). The FDO, AFAC, AFRB members, and Performance Monitors are listed in Annex 1.

3.0 RESPONSIBILITIES

a. **Fee Determining Official**. The FDO approves the award fee plan and any significant changes. The FDO reviews the recommendation(s) of the AFRB, considers all pertinent data, and determines the earned award fee amount for each evaluation period.

b. **Award Fee Advisory Council**. The AFAC advises the FDO on matters pertaining to the consistent application of award fees across the BMDS. The AFAC reviews award fee plan revisions and coordinates on the FDO package prior to approval.

c. **Award Fee Review Board**. AFRB members review Performance Monitors' evaluations of the contractor's performance, consider all information from pertinent sources, prepare interim performance reports, and arrive at an earned award fee recommendation to be presented to the FDO. The AFRB may also recommend changes to this plan.

d. **AFRB Recorder**. The AFRB Recorder is responsible for coordinating the administrative actions required by the Performance Monitors, the AFRB and the FDO, including: 1) receipt, processing and distribution of evaluation reports from all required sources; 2) scheduling and assisting with internal evaluation milestones, such as briefings; and 3) accomplishing other actions required to ensure the smooth operation of the award fee.

e. **Contracting Officer**. The CO is the liaison between contractor and Government personnel.

f. **Performance Monitors**. Performance Monitors maintain written records of the contractor's performance in their assigned evaluation area(s) so that a fair and accurate evaluation is obtained and prepare interim and end-of-period evaluation reports as directed by the AFRB.

g. **Award Fee Secretariat**. The AFS works with the Program Office during the award fee process to facilitate timely scheduling of the expectations letter, AFRB, and FDO briefings. The AFS will staff and coordinate the expectations letter, award fee plan updates, and AFRB recommendation to the FDO. The AFS attends the expectations letter, AFRB, and FDO briefings and provides agency-level award fee policy guidance.

4.0 **AWARD FEE PROCESSES**

a. Available Award Fee Amount. The available award fee for each evaluation period will be determined at the conclusion of the period. The award fee earned will be paid based on the contractor's performance during each evaluation period. (b)(4)

(b)(4)

b. Expectations Letter. The AFRB Chairperson with assistance from Board Members will prepare an expectations letter for FDO approval which will contain criteria that clearly define MDA's expectations, identify special focus areas, address cost, schedule, and performance risk as applicable, and emphasize adherence to corporate best practices. The

expectations letter will be provided to the contractor prior to the beginning of each evaluation period with the goal of notification 30 days prior to the start of the period.

c. Evaluation Criteria. Initial Evaluation Criteria are provided in Annexes 2-3. Any changes to evaluation criteria will be made in accordance with Paragraph 5.0 Award Fee Change Procedures.

d. End-of-Period Evaluations. The AFRB Recorder notifies each AFRB member and performance monitor no later than 15 business days before the end of the evaluation period. Performance monitors submit their evaluation reports to the AFRB no later than five (5) business days after the end of the evaluation period. The AFRB meeting is conducted, inputs from the contractor and the Performance Monitors are considered and earned award fee is recommended. The AFRB Chairperson briefs the evaluation report and recommendation to the FDO. At this time, the AFRB may also recommend any significant changes to the award fee plan for FDO approval. The FDO determines the overall grade and earned award fee amount for the evaluation period. The FDO letter informs the contractor of the earned award fee amount. The CO is committed to issuing a timely contract modification within 30 business days after the FDO's decision is made authorizing payment of the earned-award fee amount.

5.0 AWARD FEE PLAN CHANGE PROCEDURE

All significant changes are approved by the FDO and the AFRB Chairperson approves other changes. Examples of significant changes include changing evaluation criteria, adjusting weights to redirect contractor's emphasis to areas needing improvement, and revising the distribution of the award fee dollars. The contractor may recommend changes to the CO no later than 90 days prior to the beginning of the new evaluation period. After approval, the CO shall notify the contractor in writing of any change(s). Unilateral changes may be made to the award fee plan if the contractor is provided written notification by the CO 30 days before the start of the upcoming evaluation period and incorporated into the contract via unilateral mod. Changes affecting the current evaluation period must be by mutual agreement of both parties and incorporated into the contract via a bilateral mod.

6.0 CONTRACT TERMINATION

If the contract is terminated for the convenience of the Government after the start of an award fee evaluation period, the award fee deemed earned for that period shall be determined by the FDO using the normal award fee evaluation process. After termination

for convenience, the remaining award fee will be awarded consistent with the termination provisions of the contract.

ANNEX 1 AWARD FEE ORGANIZATION

Members

Fee Determining Official: Aegis BMD PD MDA AB PD

Award Fee Review Board Chairperson: MDA AB TD
Aegis BMD Technical Director

Award Fee Review Board Members:

Deputy Program Director	MDA AB D*
Director for Acquisition	MDA DA*
Technical Director	MDA AB B*
Asst Director for Aegis BMD Contracting	MDA DACG*
Acquisition Manager	MDA AB C
Deputy Technical Director	MDA AB B1*
System Engineer	MDA AB B3*
Business Operations Director	MDA AB E*
Aegis Technical Representative	MDA AB TR*
Dir for Quality, Safety & Mission Assurance	MDA QS*
Cost Estimating and Analysis	MDA/DOE*
DCMA CMO Commander	DCMA – NSSO*
Recorder (COR)	MDA AB E
Contracting Officer	MDA DACG
PEO IWS Representative for MMSP Work (CLINs 0010 and 0011)	PEO IWS 2.0*
<u>Lockheed Martin Program Manager</u>	
<u>Lockheed Martin VP, Aegis Programs</u>	

AFAC

Deputy Director	MDA DD (Advisor)
Executive Director	MDA DX (Advisor)
Director for Acquisition	MDA DA (Advisor)
Director for Engineering	MDA DE (Advisor)
Director for Agency Operations	MDA DO (Advisor)
Director for Test	MDA DT (Advisor)
General Counsel	MDA GC (Advisor)

*Voting Member

Performance Monitors**Area of Evaluation****Performance Monitor(s)**

Contract Performance Element

Program Management

MDA AB B1, B3, B31/B34, B6, PEO
IWS 2.1 (for CLINs 0010 & 0011
only), DCMA, Aegis TechRep

Cost and Schedule Management

MDA AB B1, B3, B31/B34, B6, PEO
IWS 2.1 (for CLINs 0010 & 0011
only), DCMA, Aegis TechRep

Mission Success Element

ABMD Weapon System Development
(Mission Assurance, Quality, and Safety)

MDA AB B2, B31/B34, B21, B3

ABMD Weapon System Development
(Baselines 4.0.1)

MDA AB B31

ABMD Weapon System Development
(Baselines 4.0.1ER, 5.0, 5.1, Future)

MDA AB B31/B34

MMSP

PEO IWS 2.1

International Support

MDA AB I, B31/B34

ANNEX 2 - CONTRACT PERFORMANCE ELEMENT

Evaluation of the Contractor's performance under the CPE shall be determined in accordance with the following:

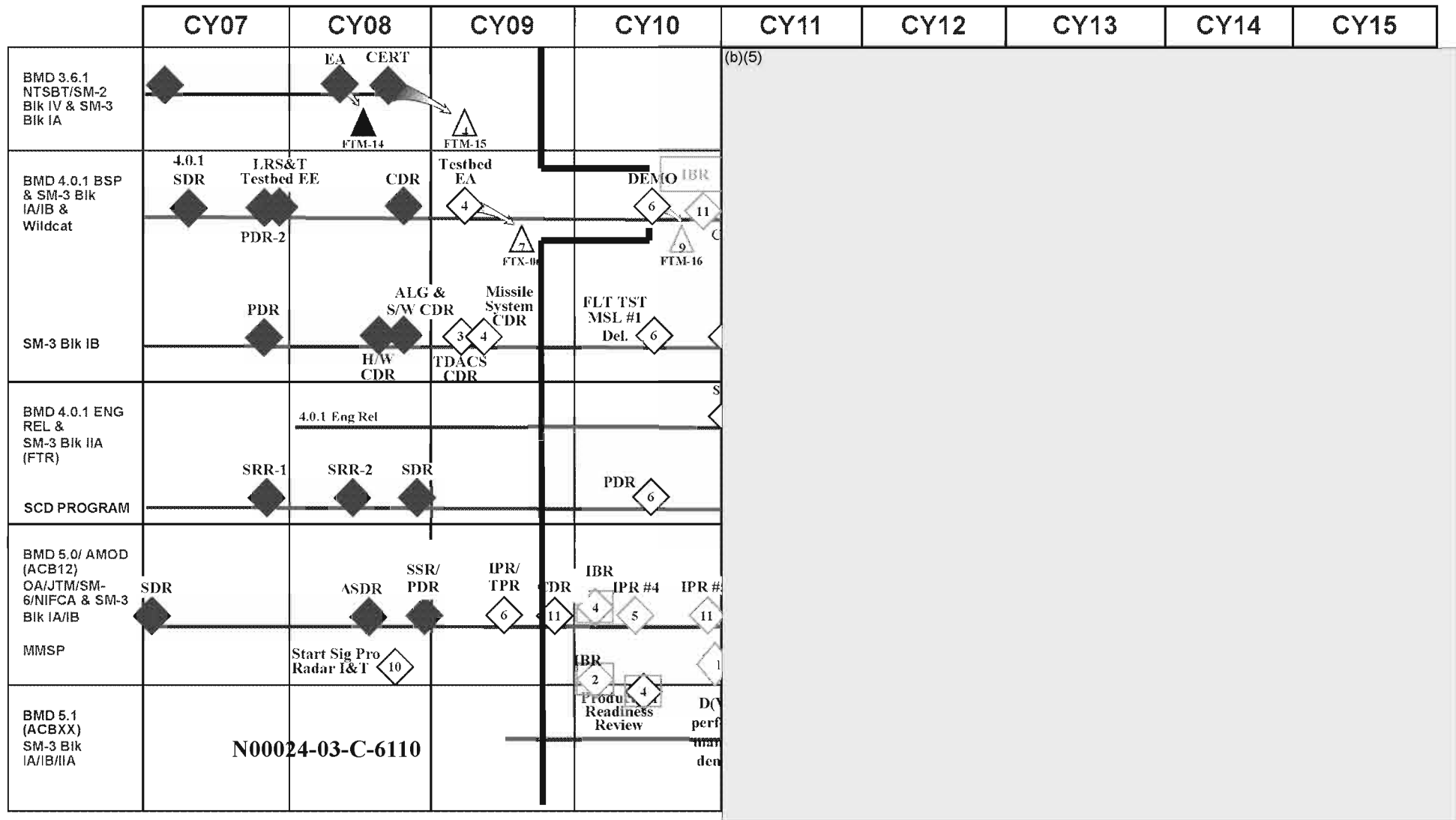
The following Ratings and Rating Definitions apply to both CPEs and MSEs:



Aegis BMD PoR Baseline Development Schedule

HQ0276-10-C-0001

1 October 2009



Red Milestones denote incentive fee milestones

Attachment J-4

CLIN	EQUIPMENT/INFORMATION DESCRIPTION	PURPOSE AND USE	DATE REQUIRED
0001	BMD 4.0.1 Threat Data Updates	Threat updates to evaluate system performance and to assist in design updates per government direction in support of AWS Post-Demo maintenance efforts	As Required
	Applicable DoD, DoN Instructions, OPOORDERS, TACMemos, CONOPS, ROC/POE, SMD and PSMD, etc...	Updates to evaluate system impacts and to assist in design updates per government direction in support of AWS Post-Demo maintenance efforts	As Required
	CDLMS Computer Program - Engineering Load Updates	Support of AWS Post-Demo maintenance efforts	As Delivered
	CDLMS documentation (VDD/IDS)	Support of AWS Post-Demo maintenance efforts	As Delivered
	Joint Semi Automated Force (JSAF) Terminal and Computer Program (CSEDS)	Upgrades to hardware and software to evaluate system impacts and to assist in design updates per government direction in support of AWS Post-Demo maintenance efforts	As Delivered
	MLST3 (Multi-Link Simulation, Test, and Training Tool) -	Upgrades to hardware and software to evaluate system impacts and to assist in design updates per government direction in support of AWS Post-Demo maintenance efforts	As Delivered
	JTT Equipment & Computer Program	Upgrades to hardware and software to evaluate system impacts and to assist in design updates per government direction in support of AWS Post-Demo maintenance efforts	As Delivered
	Aegis curriculum	Support crew training development for first Cruiser Installation and FY2012 and FY2013 ship installs	As Detailed
	Authoring Instructional Materials (AIM) Software	Support Training and instructional manual development supporting installations 2011, 2012, and 2013	As Detailed
	CAST Hardware, Software, and current curriculum	Required to support curriculum development and training supporting installations 2011, 2012, and 2013	As Detailed
	CLASS tool	Support Training and instructional manual development supporting installations 2011, 2012, and 2013	As Detailed
	Tech Manuals, Work Packages, MRC, and MIPS for Government Furnished Equipment	Support of ILS certification of installations 2011, 2012, and 2013	As Required

ISEA Support for Review/Implementation if ILS products (including DD/PHD/SPAWAR)	Specific products and delivery plans will be determined by the ILS IPT that will require ISEA support. Items include but not limited to the following: ORDALT Proof-in, TM validation/distribution, PMS validation/distribution, APL, RM&A, CSOSS, CSTOM, etc.	Continuous
KAS MK (99) Updates for FCS Tech Manual	Updates to FCS TM for MDS Topside Equipment supporting TECHMAN deliveries for installations 2011, 2012, and 2013	As Required
NGP (DXDR - Data Extraction/Data Recording)	If required, all technical data associated with this will be required to support development of ILS product supporting TECHMAN deliveries for installations 2011, 2012, and 2013	As Required
ORTS Equipment Tech Manual Updates	Updates to ORTS Equipment TM. supporting TECHMAN deliveries for installations 2011, 2012, and 2013	As Required
Training Facilities (CSEDS, ATRC, SCSC, Fleet Concentration Centers or others as agreed to)	Facilities provided at no cost to program.	As Required
KAS MK (99) Topside Equipment Installation, Checkout, and Test	Government will provide all drawings (ECP/ORDALT), ICD, and SCD for MDS MK-99 Topside Modifications and ship installations to support BMD 4.0.1 Combat System installations in 2011, 2012, and 2013.	As Required
MK-111 TLM test set	A MK-111 TLM test set will be provided by NSWC/IHD and available to support testing during Ship Installations	As Required
GCCS-M CP Updates	Support of AWS Post-Demo maintenance efforts	As Delivered
Navy Safety Center information on mishaps/events	Influence design and define safety procedure.	As generated
Principle for Safety messages to ISEA directing action on SHAR problems	Access safety risk.	Periodic
Planning Yard Engineering Support for installations	Ship Checks, SIDS, Feasibility Analysis, Installation Team in support of TDP development for BMD 4.0 Combat System installations 2011, 2012, 2013. BMD 4.0 installation (A) Initial TDP development (A-19) Initial TDP release (A-14) SIDS / shipcheck (A-12) Final TDP release (A-10) SIDS issue (A-8)	As Required

Installation Shipyard Support Services (includes non-LM AIT members)	Industrial support services will include, but not limited to the following: Crane with operator, riggers, and fork lift transportation services to move equipment, LP air, temporary supply and exhaust ventilation, temporary electrical power (440VAV and 115VAC), pier side lay-down area, waterfront area for two mobile offices and four 20x8ft conex boxes, and High-speed internet to each mobile office.	As Required
Mechanical Battery Alignment and Combat System Alignment Verification (CSAV) Test Results	Mechanical Battery Alignment and Combat System Alignment Verification (CSAV) is funded separately by the Aegis CSA In-Service Engineering Agent at NSWC-PHD. Testing is to be conducted by NSWC-PHD and final test results to be provided upon completion	At completion of available
SHIPALT / ORDALT Material and Installation Support for 1st CG	To be identified during ship installation technical data package development. This includes but is not limited to items such as: Field support, SSABT, Equipment foundations, intercompartment cabling, etc. Field support, SSABT (minimum 4), Equipment foundations, Upgraded JTT, ORTSNET Consoles, S-Band feedhorns and related changes to the illuminators to support MDS, rack mounted KGR	30 days Prior to Availability
NTDS-E cards and harnesses (20 per ship) (Production Ships)	Per ship defined in PowerPoint Brief attached to 24 Feb e-mail (b)(6) Note: 24 month lead time and must be combined with annual navy procurement	As-Required to meet installation date
USN provide BMD 4.0.1 Equipment delivered under NAVSEA Contract N00024-09-C-5010 to support FY 2011 first ship Installation	Equipment includes but not limited to BMD Signal Processor, BMD Computing Suite, Mission Planner and Kill Assessment Consoles, ORTSNET Terminals,	30 days Prior to Availability
0004 Target Data for FTMs	Support Pre-Mission analysis	As Required
2008 ' Surface Ship Theater Air and Missile Defense Assessment (SSTAMDA) Summer Study report	Required for performance analysis tasking	As Required
Appendices to NCD document	Required for performance analysis tasking	As Required
Digital Terrain Elevation Data (DTEDS) Database Level 0 (Latest Version)	Required for performance analysis tasking	As Required

"ACS Upgrade" Interface Design Specifications (IDS) affected by Common Computing Infrastructure, CIC Modernization, Advanced Maintenance Concepts, and MFOP	Required to support planning for development and ship design schedules	As Required
"ACS Upgrade" system design, equipment design, and interfaces documentation to support FY'12 installs	Required to support planning for development and ship design schedules	As Required
For each "ACS Upgrade": Parent NCD number, Status in Shipmain process	Required to support planning for development and ship design schedules	As Required
For each "ACS Upgrade": provide Documentation tree –system spec, etc	Required to support planning for development and ship design schedules	As Required
For each "ACS Upgrade": need ICDs and system block diagrams	Required to support planning for development and ship design schedules	As Required
For each "ACS Upgrade": provide documentation that identifies which versions or configurations of other ACS/AWS systems it will support and interface with	Required to support planning for development and ship design schedules	As Required
CDS Operating Environment (OE) for NSCC & CSEDS (18 units for NSCC & 23 units for CSEDS)	Required for sites activation and operation of computing suite	As Required
Advanced Operator Control Devices (AOCD) Software for NGP	Required to conduct SW development and test	As Required
CDS (pre-production) hardware for CSEDS (23 units - full suite)	Required for sites activation and operation of computing suite	1/1/2010
Display Aggregation Switch Racks for CSEDS	Required to conduct SW development and test	As Required
LSDs / Video Wall / DiVDDS for NSCC and CSEDS	Required to conduct SW development and test	4/1/2010
SVS Hardware	Required to conduct SW development and test	As Required
DiVDDS ICD updates	Required to conduct SW development and test	As Required
CPS PIDS	Required for CSRD development	11/30/2009
CPS Storage approach and detailed product information (for end item)	Required for CSRD development	11/30/2009
CPS Network switch detailed product information	Required for CSRD development	11/30/2009
CPS Processing detailed product information	Required for CSRD development	11/30/2009
CPS ICD (end item)	Required for CSRD development	11/30/2009

Common Processor System (CPS) SSPP	Required to support Safety Engineering analysis and generation of associated documentation (e.g. SAR)	As Required
CPS Cabinets (production) for CSEDS (6 cabinets)	Required for verification of system requirements	7/30/2010
"CDLMS" version V3.4-4 and 3.7 and updates for AMOD (as required)	Needed in support of AMOD Software development	2/28/2010 (updates as required)
ISNS (USQ-153D(V)9)	Required to conduct SW development and test	2/28/2010
CDLMS upgrade kit for NSCC unit #2 for FDDI to Fast Ethernet	Required to conduct SW development and test	12/1/2009
CDLMS w/ CSDTS & MLST3 suite for CSEDS	Required to conduct SW development and test	6/1/2010
SGS system MK162 Mod3 for use with CDLMS at CSEDS (v 6.4.2)	Required to conduct SW development and test	2/28/2010
Updated Ballistic Missile (BM) threat database Engineering Capability Specification (ECS) from: threat database and DIS entities are required for BMD items	Required to support software development for Build 5	As Required
SM-3 Virtual Operational Missile (VOM)	Required to conduct SW development and test	As Required
SM-3 Virtual Operational Missile (VOM) software	Required to conduct SW development and test	As Required
"Mark 41 VLS LCU B/L VII" version 0815EA updates for AMOD	Required to conduct SW development and test	8/31/2010
VLS Mk235 ModTBD Hybrid III/IV	Required to conduct SW development and test	8/31/2010
VLS Mk 41 MOD TBD 0920A LCCP	Required to conduct SW development and test	8/31/2010
Digital Bathymetric Database-variable resolution (DBDB-V) Level 2	Required to conduct SW development and test	As Required
Updated GWS IDS for AMOD; affects DDG only (needed for status message)	Required to conduct SW development and test	As Required
"GCS Mark 160 Mod 11" version 0853A00.13+ and version 2.1.10.1+ updates for AMOD	Required to conduct SW development and test	As Required
Sartis (UPX-34(V)), MX-11504A processor TR kit	Required to conduct SW development and test	As Required
SARTIS S/W v3.3.X	Required to conduct SW development and test	As Required
JTT CMI kit	Required to conduct SW development and test	3/1/2010

	KGR-68B (qty 2)	Required to conduct SW development and test	8/1/2010
	Updates to KGR-68B Installation Control Drawings	Required to conduct redesign and tech refresh of WDRC	As Required
	Updates to KGR-68B qualification (acceptance) documents	Required to conduct redesign and tech refresh of WDRC	As Required
	Updates to KGR-68B assembly drawings	Required to conduct redesign and tech refresh of WDRC	As Required
	Updates to KGR-68B piece part drawings	Required to conduct redesign and tech refresh of WDRC	As Required
	ACTS CP	Required for system test	IAW ACB12 Build Plan
	SEG ASC Libraries with vectorized data (v3.2) and updates as required	Required for system test	2/28/2010, with updates as required
0011	MMSP CSEDS Signal Processor	Upon completion of build, it will be utilized to perform development testing at CSEDS site.	Oct-09
	MMSP ATRC Signal Processor	Once completed, it will be utilized to perform Environmental Qualification testing in support of the completion of the MMSP development efforts in Moorestown, NJ.	Nov-10
	MMSP SCSC Signal Processor	Once delivered to SCSC, it will be utilized to perform Radar Development testing in support of the completion of the MMSP development efforts.	Mar-11
	Transmitter Modification Kit for SCSC	It is assumed that the transmitter modification kit installation and post-installation functional tests are completed satisfactorily prior to design acceptance testing at the designated land based test site. Once delivered to SCSC, it will be utilized to perform Radar Development testing in support of the completion of the MMSP development efforts.	Jun-11
0017			
	The system analysis team will require BMD 5.1 GFI target trajectory and signature data to perform BMD 5.1 studies and analyses including PAMT analysis	Weapon System Development	As Required
	BMD 5.0 RF equipment/missile communication suite	Prototype testing and communication	Jul-12

	Missile encryption hardware suite	RF communication and encryption testing	Jul-12
	The SM-3 Blk IIA Virtual Operational Missile (VOM) is Government Furnished Equipment (GFE) and includes: -MK-683 Interface Test Set (ITS) – Used to verify VLS interfaces to the canister and SM-3 missile. -MK-681 Communications Test Set (CTS) -Dynamic Re-Initializer (DRI) -Gains Test Set -Warhead Data Link Simulator (WDLS)	Missile RF Communications Suite	Sep-13
	CSEDS BMD 5.0 Computing Suite	Support the RF communications and encryption test	Jul-12
	Test keymat if applicable to the final interface design	RF communications and encryption test	As Required
	Optimized/vectorized version of the Adaptive Scattering Center (ASC) Library	For use on the platform selected for BMD 5.1	As Required
	Threat models in HDF format	Use by the Target Complex Generator (TCG) subsystem of the RSG.	As Required
	Target trajectory data in 19-column ASCII text format	Input to the RSG's Offline Engine tool, which utilizes this data to create the RSG scenario file format	As Required
0020	Target data for FTMs	Support pre-mission analysis	As Required
	BMD 4.0.1 Threat Data Updates	Threat updates to evaluate system performance and to assist in design updates per government direction in support of AWS Post maintenance efforts	As Required
	Applicable DoD, DoN Instructions, OPOORDERS, TACMemos, CONOPS, SMD and PSMD, etc...	Updates to evaluate system impacts and to assist in design updates per government direction in support of AWS Post Cert maintenance efforts	As Required
	CDLMS Computer Program - Engineering Load Updates	Support of AWS Post Cert maintenance efforts	As Required
	CDLMS documentation (VDD/IDS)	Support of AWS Post Cert maintenance efforts	As Required
	Joint Semi Automated Force (JSAF) Terminal and Computer Program (CSEDS)	Upgrades to hardware and software to evaluate system impacts and to assist in design updates per government direction in support of AWS Post Cert maintenance efforts	As Required

	JTT Equipment & Computer Program	Upgrades to hardware and software to evaluate system impacts and to assist in design updates per government direction in support of AWS Post Cert maintenance efforts	As Required
	GCCS-M CP Updates	Support of AWS Post Cert maintenance efforts	As Required
	Navy Safety Center information on mishaps/events	Influence design and define safety procedure.	As generated
	Principle for Safety messages to ISEA directing action on SHAR problems	Access safety risk.	Periodic
0023	Performance Assessment scenarios shall be defined by initial Test Case Description Document (TCDD) as GFI		60 days prior to PlanEx
	MDA-CNet network will be available and operational		Once Established and throughout contract PoP
	Continued access to threat data currently being used to support Aegis BMD design and performance assessment		As Required
	Encryption hardware / equipment supporting transmission of classified data using telecommunication network		As Required
	Encryption KEYMAT material supporting transmission of classified data using telecommunication network		As Required
	Initial DSA software will be available to support PA event developmental testing on annual basis		As Required
	Final version of DSA software available to support PA events		5 months prior to final RRT event
	Performance Assessment scenario data (trajectory/signature) will be available 5 months prior to start of first test event (RRT-1)		
0025	Diurnal Star Tracker (DST)	Support testing to evaluate technology readiness level	Sep-10
	CSD: Updates to WS 35462 Aegis BMD 4.0.1 (Eng Rel) Top Level requirements (TLR) and applicable SCNs		As Required
	Mission Requirements Document (MRD) updates		As Required
	SM-3 Block IIA TLR updates		As Required

	Required ICDs/ICRs, The system analysis team will require BMD 4.0.1 ER GFI target data including flight mission trajectory and signature data to perform studies and analyses		As Required
	BMD 4.0.1 ER GFI target data including flight mission trajectory and signature data to perform studies and analyses		As Required
	Aegis to SM-3 RF Link IDS (WS-34015)		As Required
	MASC Updates, 6-DOF Flyout data, external IDS/ICR package including: WCS-VLS, VLS-SM-3, KAS TLM Interface		As Required
	Required ICDs/ICRs. MEDUSA development team will require GFI target data for MEDUSA code checkout and QA regression test runs.		As Required
	Required VLS ICDs/ICRs		As Required
	Required Weapon Systems/Missile Thin Specs		As Required
0026	Applicable DoD, DoN Instructions, OPORDERS, TACMemos, CONOPS, ROC/POE, SMD and PSMD, etc...	Updates to evaluate system impacts and to assist in design updates per government direction in support of AWS Post Demo maintenance efforts	As Required
	Aegis curriculum updates	Support crew training development for first Cruiser Installation and FY2012 and FY2013 ship installs	As Required
	Authoring Instructional Materials (AIM) software	Support Training and instructional manual development supporting installations 2011, 2012, and 2013	As Required
	CAST Hardware, Software, and current curriculum	Required to support curriculum development and training supporting installations 2011, 2012, and 2013	As Detailed
	CLASS tool	Support Training and instructional manual development supporting installations 2011, 2012, and 2013	As Detailed
	Tech Manuals, Work Packages, MRC, and MIPS for Government Furnished Equipment	Support ILS certification of installations 2011, 2012, and 2013	As Required
	MDS Updates for FCS Tech Manual	Updates to FCS TM for MDS Topside Equipment supporting TECHMAN deliveries for installations 2011, 2012, and 2013	As Required

	NGP (DXDR - Data Extraction/Data Recording)	If required, all technical data associated with this will be required to support development of ILS product supporting TECHMAN deliveries for installations 2011, 2012, and 2013	As Required
	ORTS Equipment Tech Manual Updates	Updates to ORTS Equipment TM. supporting TECHMAN deliveries for installations 2011, 2012, and 2013	As Required
	Training Facilities (CSEDS, ATRC, SCSC, Fleet Concentration Centers or others as agreed to)	Facilities provided at no cost to program.	As Required
0100	Applicable DoD, DoN Instructions, OPORDERS, TACMemos, CONOPS, ROC/POE, SMD and PSMD, etc...	Updates to evaluate system impacts and to assist in design updates per government direction in support of AWS Post Cert maintenance efforts	When Requested
	KAS MK (99) Topside Equipment Installation, Checkout, and Test	Government will provide all drawings (ECP/ORDALT), ICD, and SCD for MDS MK-99 Topside Modifications and ship installations to support BMD 4.0.1 Combat System installations in 2011, 2012, and 2013.	As Required
	MK-683 TLM test set	I A MK-683 TLM test set will be provided by NSWCI/IHD and available to support testing during Ship Installations	As Required
	Access and Use of Planning Yard	Ship Checks, SIDS, Feasibility Analysis, installations 2011, 2012, 2013. BMD 4.0 installation (A) Initial TDP development (A-19) Initial TDP release (A-14) SIDS / shipcheck (A-12) Final TDP release (A-10) SIDS issue (A-8)	As Required
	Installation Shipyard	Including, but not limited to the following: Crane with operator, riggers, and fork lift transportation services to move equipment, LP air, temporary supply and exhaust ventilation, temporary electrical power (440VAV and 115VAC), pier side lay-down area, waterfront area for two mobile offices and four 20x8ft conex boxes, and High-speed internet to each mobile office.	As Required

Mechanical Battery Alignment and Combat System Alignment Verification (CSAV) Test Results	Mechanical Battery Alignment and Combat System Alignment Verification (CSAV) is funded separately by the Aegis CSA In-Service Engineering Agent at NSWC-PHD. Testing is to be conducted by NSWC-PHD and final test results to be provided upon completion	At completion of available
SHIPALT / ORDALT Material and Installation Support for 1st DDG	To be identified during ship installation technical data package development. This includes but is not limited to items such as: Field support, SSABT, Equipment foundations, intercompartment cabling, etc. Field support, SSABT (minimum 4), Equipment foundations, Upgraded JTT, ORTSNET Consoles, S-Band feedhorns and related changes to the illuminators to support MDS, rack mounted KGR	30 days Prior to Availability
NTDS-E cards and harnesses (20 per ship) (Production Ships)	Per ship defined in PowerPoint Brief attached to 24 Feb e-mail (b)(6) Note: 24 month lead time and must be combined with annual navy procurement	As-Required to meet installation date
USN provide BMD 4.0.1 Equipment delivered under NAVSEA Contract N00024-09-C-5010 to support 1st ship Installation	Equipment includes but not limited to BMD Signal Processor, BMD Computing Suite, Mission Planner and Kill Assessment Consoles, ORTSNET Terminals,	30 days Prior to Availability
USN provide BMD 4.0.1 Equipment delivered under NAVSEA Contract N00024-09-C-5010 to support 2nd ship Installation	Equipment includes but not limited to BMD Signal Processor, BMD Computing Suite, Mission Planner and Kill Assessment Consoles, ORTSNET Terminals,	30 days Prior to Availability
USN provide BMD 4.0.1 Equipment delivered under NAVSEA Contract N00024-09-C-5010 to support 3rd ship Installation	Equipment includes but not limited to BMD Signal Processor, BMD Computing Suite, Mission Planner and Kill Assessment Consoles, ORTSNET Terminals	30 days Prior to Availability
USN provide BMD 4.0.1 Equipment delivered under NAVSEA Contract N00024-09-C-5010 to support 4th ship Installation	Equipment includes but not limited to BMD Signal Processor, BMD Computing Suite, Mission Planner and Kill Assessment Consoles, ORTSNET Terminals	30 days Prior to Availability
USN provide BMD 4.0.1 Upgrade Equipment delivered under NAVSEA Contract N00024-09-C-5010 to support FY2012 and 2013 Site and ship Installation	Equipment includes material to close EDM OPEN items and deliver GEN 3+ to support ship installs (LKE and PRL) and site installs (CSEDS, IWSL, SCSC, ATRC)	Dec-11

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WBS Number	Description
01	Contract
01.0X	CLIN 000X BMD
01.0X.01	Program Management Support
01.0X.01.01	Program Management Services
01.0X.01.01.01	BMD Program Management
01.0X.01.01.02	Radar Program Management
01.0X.01.01.03	Quality/Mission Assurance/CMMI
01.0X.01.01.04	BMD Program Business Mgmt Support/Finance
01.0X.01.01.05	Data Management Support
01.0X.01.01.06	Configuration Management
01.0X.01.01.07	Business Services
01.0X.01.01.08	Program Planning
01.0X.01.01.09	Common Cost Model Working Group
01.0X.01.01.10	Unifying Missile Defense Functions
01.0X.01.01.11	Program Studies and Evaluations
01.0X.02	Systems Engineering
01.0X.02.01	Systems Eng Integration Team
01.0X.02.01.01	Systems Engineering & Tech Oversight
01.0X.02.01.02	System Safety Engineering Services
01.0X.02.01.03	Combat System Design
01.0X.02.01.04	Human Systems Integration Services
01.0X.02.01.05	Anti-Tamper Support
01.0X.02.01.06	Data Analysis Sys & Tools Procure & Maint
01.0X.02.01.07	Computer Program Support Programs
01.0X.02.01.08	Computer Program Software Eng Support
01.0X.02.01.09	Information Assurance Support
01.0X.02.02	System Analysis
01.0X.02.02.01	Systems Analysis IPT Mgmt

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01.0X.02.02.02 Performance & Operations Analysis

01.0X.02.02.03 System Performance Verification

01.0X.02.02.04 Threat Mgmt & Analysis

01.0X.02.03 Mission Planner Development

01.0X.02.03.01 Mission Planner IPT Mgmt

01.0X.02.03.02 Mission Planner Requirements

01.0X.02.03.03 Mission Planner Design Code Test

01.0X.02.03.04 Mission Planner Element Integ & Test

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01.OX.02.04 Radar Systems Development

- 01.OX.02.04.01 Radar System IPT Mgmt
- 01.OX.02.04.02 Radar System Design
- 01.OX.02.04.03 RCC Requirements
- 01.OX.02.04.04 RCC Design Code Test
- 01.OX.02.04.05 RCC Element Integration & Test
- 01.OX.02.04.06 Transmitter Development
- 01.OX.02.04.07 Digital Processor (DP) Requirements
- 01.OX.02.04.08 Digital Processor (DP) Design Code Test
- 01.OX.02.04.09 Digital Processor (DP) Element Integration & Test
- 01.OX.02.04.10 RF Processor (RFP) Requirements
- 01.OX.02.04.11 RF Processor (RFP) Design Code Test
- 01.OX.02.04.12 RF Processor (RFP) Element Integration & Test
- 01.OX.02.04.13 Beam Steering Control (BSC) Requirements
- 01.OX.02.04.14 Beam Steering Control (BSC) Design Code Test
- 01.OX.02.04.15 Beam Steering Control (BSC) Element Integration & Test
- 01.OX.02.04.16 Radar Systems Integration & Test
- 01.OX.02.04.17 Environmental Qualification
- 01.OX.02.04.18 Radar System Production

01.OX.02.05 Command & Control Development

- 01.OX.02.05.01 C2I IPT Mgmt
- 01.OX.02.05.02 Command & Decision Requirements
- 01.OX.02.05.03 Command & Decision Design Code Test
- 01.OX.02.05.04 Command & Decision Integration & Test
- 01.OX.02.05.05 C2I Interoperability Design & Testing

01.OX.02.06 Aegis Combat Train System (ACTS) Develop

- 01.OX.02.06.01 ACTS IPT Mgmt
- 01.OX.02.06.02 ACTS Requirements
- 01.OX.02.06.03 ACTS Design Code Test
- 01.OX.02.06.04 ACTS Element Integration & Test

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01.OX.02.07 Display Development

- 01.OX.02.07.01 Display IPT Mgmt
- 01.OX.02.07.02 Display Requirements
- 01.OX.02.07.03 Display Design Code Test
- 01.OX.02.07.04 Display Element Integration & Test

01.OX.02.08 Engage (WCS VLS KAS FCS) Develop

- 01.OX.02.08.01 Engage IPT Mgmt
- 01.OX.02.08.02 WCS System Requirements
- 01.OX.02.08.03 WCS Design Code Test
- 01.OX.02.08.04 WCS Element Integration & test
- 01.OX.02.08.05 VLS Systems Engineering
- 01.OX.02.08.06 KAS Requirements
- 01.OX.02.08.07 KAS Design Development & Test
- 01.OX.02.08.08 KAS Element Integration & Test
- 01.OX.02.08.09 NSA Certification Support
- 01.OX.02.08.10 FCS Requirements Software Dev & Test

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01.OX.02.09 Readiness ORTS Development

- 01.OX.02.09.01 Readiness IPT Mgmt
- 01.OX.02.09.02 ORTS Requirements
- 01.OX.02.09.03 ORTS Design Code & Test
- 01.OX.02.09.04 ORTS Integration & Test
- 01.OX.02.09.05 R&M/A Support

01.OX.02.10 Infrastructure Support Development

- 01.OX.02.10.01 Infrastructure IPT Mgmt
- 01.OX.02.10.02 Infrastructure Requirements
- 01.OX.02.10.03 Infrastructure Software
- 01.OX.02.10.04 Infrastructure Technology Refresh

01.OX.02.11 BMD Radar Systems Equip Develop

- 01.OX.02.11.01 Radar System IPT Mgmt
- 01.OX.02.11.02 In-Service Signal Processor Modifications
- 01.OX.02.11.03 RF Processor Hardware Development
- 01.OX.02.11.04 Digital Processor Hardware Development
- 01.OX.02.11.05 Signal Processor Technology Refresh
- 01.OX.02.11.06 Signal Processor Qualification Testing

01.OX.03 Combat Systems Integration & Test

01.OX.03.01 Combat Systems Integration & Test

- 01.OX.03.01.01 Combat System Integ & Test IPT Mgmt
- 01.OX.03.01.02 Eng Test & Eng Sys Requirements Verif
- 01.OX.03.01.03 Multi-element Integration & Test (MEIT)
- 01.OX.03.01.04 Test Plans & Procedures Reports & Support

01.OX.04 Site Integration & Support

01.OX.04.01 Sites Integration & Support

- 01.OX.04.01.01 Site Integration & Support IPT Mgmt
- 01.OX.04.01.02 NJ Sites I&T
- 01.OX.04.01.03 VA Sites I&T
- 01.OX.04.01.04 PTC Design Development Implement

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- 01.0X.04.01.05 Sites Integration & Support Other
- 01.0X.05 Ship Integration & Support
 - 01.0X.05.01 Ship Integration & Support
 - 01.0X.05.01.01 Ship Integration & Support IPT Mgmt
 - 01.0X.05.01.02 System/Config Definition Development
 - 01.0X.05.01.03 Ship Physical/Support Systems
 - 01.0X.05.01.04 Topside design
 - 01.0X.05.01.05 Configuration Mgmt (SHIPALTs CSEL etc)
 - 01.0X.05.01.06 Technical Data Products
 - 01.0X.05.01.07 Shipboard Plans & Proc Reports & Support

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01.OX.06	Integrated Logistics Support
01.OX.06.01	Integrated Logistics Support
01.OX.06.01.01	ILS IPT Mgmt
01.OX.06.01.02	Supportability Engineering
01.OX.06.01.03	Preventive & Corrective Maint Processes
01.OX.06.01.04	COTS Engineering & Obsolescence Mgmt
01.OX.06.01.05	Spares Supplies
01.OX.06.01.06	Spares Depot Supply Support Services
01.OX.06.01.07	Cost & Affordability Engineering
01.OX.06.01.08	Technical Documentation
01.OX.06.01.09	Training Development & Support
01.OX.06.01.10	Electronic Media
01.OX.07	Systems Engineering Production Support
01.OX.07.01	BMD Systems Eng Production Supt
01.OX.07.01.01	Production
01.OX.07.01.02	INCO Spares
01.OX.07.01.03	Shipboard Spares
01.OX.07.01.04	Shipboard Cables
01.OX.07.01.05	Production Engineerng Follow-on
01.OX.07.01.06	Manufacturing Support Follow-on
01.OX.07.01.07	Transition To Production
01.OX.08	Ship Installation & Checkout
01.OX.08.01	FY11 Baseline 4.0.1 Cruiser Install
01.OX.08.01.01	Logistics/Material Planning & Procure
01.OX.08.01.02	Installation Plan
01.OX.08.01.03	System Installation
01.OX.08.01.04	Weapons System Checkout
01.OX.08.02	Ship x BMD 4.0.1 Install (2012)
01.OX.08.02.01	Logistics/Material Planning & Procurement
01.OX.08.02.02	Pre-Installation Planning

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- 01.OX.08.02.03 System Installation
- 01.OX.08.02.04 Weapons System Checkout
- 01.OX.08.03 Ship x BMD 4.0.1 Install (2012)
 - 01.OX.08.03.01 Logistics/Material Planning & Procure
 - 01.OX.08.03.02 Pre-Installation Planning
 - 01.OX.08.03.03 System Installation
 - 01.OX.08.03.04 Weapons System Checkout
- 01.OX.08.04 Ship x BMD 4.0.1 Install (2013)
 - 01.OX.08.04.01 Logistics/Material Planning & Procure
 - 01.OX.08.04.02 Pre-Installation Planning
 - 01.OX.08.04.03 System Installation
 - 01.OX.08.04.04 Weapons System Checkout
- 01.OX.08.05 Ship x BMD 4.0.1 Install (2013)
 - 01.OX.08.05.01 Logistics/Material Planning & Procure
 - 01.OX.08.05.02 Pre-Installation Planning
 - 01.OX.08.05.03 System Installation
 - 01.OX.08.05.04 Weapons System Checkout
- 01.OX.08.06 FY12 Baseline 5.0 Install (2012)
 - 01.OX.08.06.01 Logistics/Material Planning & Procure
 - 01.OX.08.06.02 Pre-Installation Planning
 - 01.OX.08.06.03 System Installation
 - 01.OX.08.06.04 Weapons System Checkout
- 01.OX.08.07 Ship x BMD 5.0 Install (2012)
 - 01.OX.08.07.01 Logistics/Material Planning & Procure
 - 01.OX.08.07.02 Pre-Installation Planning
 - 01.OX.08.07.03 System Installation
 - 01.OX.08.07.04 Weapons System Checkout
- 01.OX.08.08 Ship x BMD 5.0 Install (2013)
 - 01.OX.08.08.01 Logistics/Material Planning & Procure
 - 01.OX.08.08.02 Pre-Installation Planning

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- 01.OX.08.08.03 System Installation
- 01.OX.08.08.04 Weapons System Checkout
- 01.OX.08.09 Ship x BMD 5.0 Install (2013)
- 01.OX.08.09.01 Logistics/Material Planning & Procure
- 01.OX.08.09.02 Pre-Installation Planning
- 01.OX.08.09.03 System Installation
- 01.OX.08.09.04 Weapons System Checkout
- 01.OX.08.10 Ship x BMD 5.0 Install (2013)
- 01.OX.08.10.01 Logistics/Material Planning & Procure
- 01.OX.08.10.02 Pre-Installation Planning
- 01.OX.08.10.03 System Installation
- 01.OX.08.10.04 Weapons System Checkout
- 01.OX.08.11 Ship Install Other
- 01.OX.08.11.01 Logistics/Material Planning & Procure
- 01.OX.08.11.02 Pre-Installation Planning
- 01.OX.08.11.03 System Installation
- 01.OX.08.11.04 Weapons System Checkout
- 01.OX.09 Flight Test - Maritime Events
- 01.OX.09.01 FTM-16 Event
- 01.OX.09.01.01 Pre-Mission Analysis and Testing
- 01.OX.09.01.02 Mission Preps and Execution
- 01.OX.09.01.03 Post Mission Analysis and Reports
- 01.OX.09.01.04 Video Production Documentation
- 01.OX.09.02 FTM-17 Event
- 01.OX.09.02.01 Pre-Mission Analysis and Testing
- 01.OX.09.02.02 Mission Preps and Execution
- 01.OX.09.02.03 Post Mission Analysis and Reports
- 01.OX.09.02.04 Video Production Documentation
- 01.OX.09.03 FTM-18 Event
- 01.OX.09.03.01 Pre-Mission Analysis and Testing

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01.0X.09.03.02 Mission Preps and Execution

01.0X.09.03.03 Post Mission Analysis and Reports

01.0X.09.03.04 Video Production Documentation

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01.OX.09.04 FTM-19 Event

- 01.OX.09.04.01 Pre-Mission Analysis and Testing
- 01.OX.09.04.02 Mission Preps and Execution
- 01.OX.09.04.03 Post Mission Analysis and Reports
- 01.OX.09.04.04 Video Production Documentation

01.OX.09.05 FTM-20 Event

- 01.OX.09.05.01 Pre-Mission Analysis and Testing
- 01.OX.09.05.02 Mission Preps and Execution
- 01.OX.09.05.03 Post Mission Analysis and Reports
- 01.OX.09.05.04 Video Production Documentation

01.OX.09.06 FTM-21 Event

- 01.OX.09.06.01 Pre-Mission Analysis and Testing
- 01.OX.09.06.02 Mission Preps and Execution
- 01.OX.09.06.03 Post Mission Analysis and Reports
- 01.OX.09.06.04 Video Production Documentation

01.OX.09.07 FTM-22 Event

- 01.OX.09.07.01 Pre-Mission Analysis and Testing
- 01.OX.09.07.02 Mission Preps and Execution
- 01.OX.09.07.03 Post Mission Analysis and Reports
- 01.OX.09.07.04 Video Production Documentation

01.OX.09.08 FTM-23 Event

- 01.OX.09.08.01 Pre-Mission Analysis and Testing
- 01.OX.09.08.02 Mission Preps and Execution
- 01.OX.09.08.03 Post Mission Analysis and Reports
- 01.OX.09.08.04 Video Production Documentation

01.OX.09.09 FTM-24 Event

- 01.OX.09.09.01 Pre-Mission Analysis and Testing
- 01.OX.09.09.02 Mission Preps and Execution
- 01.OX.09.09.03 Post Mission Analysis and Reports
- 01.OX.09.09.04 Video Production Documentation

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01.OX.09.10 JFTM-3 Event

01.OX.09.10.01 Pre-Mission Analysis and Testing

01.OX.09.10.02 Mission Preps and Execution

01.OX.09.10.03 Post Mission Analysis and Reports

01.OX.09.10.04 Video Production Documentation

01.OX.09.11 JFTM-4 Event

01.OX.09.11.01 Pre-Mission Analysis and Testing

01.OX.09.11.02 Mission Preps and Execution

01.OX.09.11.03 Post Mission Analysis and Reports

01.OX.09.11.04 Video Production Documentation

01.OX.09.12 FTM Other Event

01.OX.09.12.01 Pre-Mission Analysis and Testing

01.OX.09.12.02 Mission Preps and Execution

01.OX.09.12.03 Post Mission Analysis and Reports

01.OX.09.12.04 Video Production Documentation

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01.OX.10	Ground Tests (GTs)
01.OX.10.01	GT-10 Event
01.OX.10.01.01	Pre-Mission Analysis and Testing
01.OX.10.01.02	Mission Preps and Execution
01.OX.10.01.03	Post Mission Analysis and Reports
01.OX.10.02	GT-11 Event
01.OX.10.02.01	Pre-Mission Analysis and Testing
01.OX.10.02.02	Mission Preps and Execution
01.OX.10.02.03	Post Mission Analysis and Reports
01.OX.10.03	GT-12 Event
01.OX.10.03.01	Pre-Mission Analysis and Testing
01.OX.10.03.02	Mission Preps and Execution
01.OX.10.03.03	Post Mission Analysis and Reports
01.OX.10.04	GT-13 Event
01.OX.10.04.01	Pre-Mission Analysis and Testing
01.OX.10.04.02	Mission Preps and Execution
01.OX.10.04.03	Post Mission Analysis and Reports
01.OX.11	Digital Performance Assessments (PA)
01.OX.11.01	PA-10
01.OX.11.01.01	Pre-Mission Analysis and Testing
01.OX.11.01.02	Mission Preps and Execution
01.OX.11.01.03	Post Mission Analysis and Reports
01.OX.11.02	PA-11
01.OX.11.02.01	Pre-Mission Analysis and Testing
01.OX.11.02.02	Mission Preps and Execution
01.OX.11.02.03	Post Mission Analysis and Reports
01.OX.11.03	PA-12
01.OX.11.03.01	Pre-Mission Analysis and Testing
01.OX.11.03.02	Mission Preps and Execution
01.OX.11.03.03	Post Mission Analysis and Reports

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01.OX.11.04 PA-13

- 01.OX.11.04.01 Pre-Mission Analysis and Testing
- 01.OX.11.04.02 Mission Preps and Execution
- 01.OX.11.04.03 Post Mission Analysis and Reports

01.OX.12 BMDS Test Events

01.OX.12.01 BMDS-x

- 01.OX.12.01.01 Pre-Mission Analysis and Testing
- 01.OX.12.01.02 Mission Preps and Execution
- 01.OX.12.01.03 Post Mission Analysis and Reports

01.OX.12.02 BMDS-y

- 01.OX.12.02.01 Pre-Mission Analysis and Testing
- 01.OX.12.02.02 Mission Preps and Execution
- 01.OX.12.02.03 Post Mission Analysis and Reports

01.OX.12.03 BMDS-n

- 01.OX.12.03.01 Pre-Mission Analysis and Testing
- 01.OX.12.03.02 Mission Preps and Execution
- 01.OX.12.03.03 Post Mission Analysis and Reports

01.OX.13 Modeling and Simulation Services

01.OX.13.01 (b)(4)

- 01.OX.13.01.01 (b)(4) PT Mgmt
- 01.OX.13.01.02 (b)(4) Requirements Development
- 01.OX.13.01.03 (b)(4) Design
- 01.OX.13.01.04 (b)(4) Design Code & Test
- 01.OX.13.01.05 (b)(4) Verification and Validation

01.OX.13.02 (b)(4)

- 01.OX.13.02.01 (b)(4) PT Mgmt
- 01.OX.13.02.02 (b)(4) Requirements Development
- 01.OX.13.02.03 (b)(4) Design Code & Test
- 01.OX.13.02.04 (b)(4) Integration & Test
- 01.OX.13.02.05 (b)(4) Verification and Validation

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01.OX.13.03 Radar Scene Generation (RSG)

- 01.OX.13.03.01 RSG IPT Mgmt
- 01.OX.13.03.02 RSG Requirements
- 01.OX.13.03.03 RSG Design Code & Test
- 01.OX.13.03.04 RSG Integration & Test
- 01.OX.13.03.05 RSG Verification and Validation

01.OX.13.04 End-to-End Distrib Develop System (ETEDDS)

- 01.OX.13.04.01 ETEDDS IPT Mgmt
- 01.OX.13.04.02 ETEDDS Requirements
- 01.OX.13.04.03 ETEDDS Design Code & Test
- 01.OX.13.04.04 ETEDDS Integration & Test

01.OX.13.05 Other Tools

- 01.OX.13.05.01 (b)(4) Analysis Federation (MAF)
- 01.OX.13.05.02 Performance Analysis Tool (PAT)
- 01.OX.13.05.03 Virtual Aegis Combat System Simul (VACSSim)

01.OX.14 Future Studies and Evaluations

01.OX.14.01 Future Studies and Evaluations

- 01.OX.14.01.01 Aegis BMD Advanced Tech Initiatives
- 01.OX.14.01.02 Future Baselines
- 01.OX.14.01.03 Strategic (Summer) Studies
- 01.OX.14.01.04 Dalhgren Operations

Reference: PEO Integrated Warfare Systems, NAVSEA 05 Technical Review Manual dated April 2008

The table below summarizes applicability for the indicated TRM reviews.

TRM Review	Baseline 5.0	Baseline 4.0.1ER	Baseline 5.1
Alternative System Review	Not Applicable	Not Applicable	Not Applicable
System Requirements Review	Completed	Completed	Required
System Functional Review (System Design Review)	Completed	Completed	Required
System Preliminary Design Review	Completed	Not in Base Contract	Not in Base Contract
System Critical Design Review	Required	Not in Base Contract	Not in Base Contract
Post CDR In-Process Reviews	Required (2)	Not in Base Contract	Not in Base Contract
Test Readiness Review	Required	Not in Base Contract	Not in Base Contract
Functional Configuration Audit	Not Applicable	Not Applicable	Not Applicable
Physical Configuration Audit	Not Applicable	Not Applicable	Not Applicable

The following pages are extracts from the TRM for the above required Reviews and show the specific tailoring for each Review. Modifications indicated by “strikethroughs” are deletions and modifications indicated by “underlines” are additions.

A summary of Technical Documentation Requirements for Reviews is also provided.

System Requirements Review (SRR)

A. SRR – Overall Guidance

1. **Objective** - The objective of the SRR is to ensure that the operational requirements have been successfully represented by the system requirements, that the system design has the potential of meeting these system requirements when acceptably balanced with cost, schedule, and technical risk, and that the plans for moving ahead with system development are reasonable and of acceptable risk
2. **Scope** - The SRR is conducted to confirm that user requirements are translated into specific system requirements. It demonstrates progress in converging on viable, traceable system requirements that are balanced with cost, schedule, and risk.
An SRR shall be held to define and approve the system requirements, to define and approve the system requirements relationships to the operational requirements and any higher level system requirements, to review the initial allocation of major system requirements to system components

(subsystems and/or CIs), to review and approve the qualification approach for the system requirements, and to approve plans for continuation of the system development.

The SRR shall be held at the system level, where the acquisition authority has been placed, to oversee the development of the system. Subsystem requirements reviews can be held if deemed appropriate. A thorough review of the system architecture and development plans that will guide the system development process shall also be accomplished, and all lower level requirement reviews should show how they incorporate into this architecture and plan. An SRR may also be conducted at the SoS level. Throughout this section, the term “system” may also be applied to subsystems of a system or to an overall SoS.

3. **Documentation** - Documentation shall be provided to the TRT that shall describe the system requirements, the requirements documentation tree, the system architecture and its estimated performance, and future system development plans in enough detail to allow a sufficient review and formation of conclusions by the TRT. Documentation associated with this technical review is summarized in Appendix D of this TRM.

B. SRR – Topics

1. **System Landscape** - The purpose of this topic is to provide an overall perspective of where the system fits into the operational environment. This overview is necessary because many attendees at the SRR will not have had the luxury of having continuous exposure to development information. The main focus of the landscape is to first, review the operational requirements for the system to convey the operational need for this system, as well as system capabilities that are required to meet the systems mission and purpose; second, to reveal how well the system’s requirements (including internal and external interfaces) are being scheduled and managed; and third, to show how the system requirements support the operational requirements. The requirements should be presented by the authoring agency, and should indicate the status of their approval.
 - a. *System Mission* - The mission of the system should be described in enough detail to give the reviewing body understanding of the need for this system, the manner in which it will be utilized in the operational forces, and the capabilities the system must provide to the operator to ensure mission success.
 - b. *Operational Requirements Development* - The operational requirements should be delineated in enough detail to allow the review body to understand if the system requirements will meet and/or exceed the operational needs. Interfaces with joint programs are established and presented.
 - c. *Design Reference Mission (DRM)* - The scenarios, campaigns, and threats that comprise the DRM for the system shall be described and reviewed. The manner in which the DRM shall be utilized in subsequent system development shall be delineated, and the status of its development should be given. Additionally, the CDD, Concept of Operations (CONOPS), and System Threat Assessment Report (STAR) shall be described. If the project is not using a CDD, CONOPS or STAR, the documents being used in their place shall be described along with the rationale for these documents.
 - d. *Test & Evaluation Planning* – Initial T&E planning shall be described. This description should include T&E staffing, strategy and should address requirement for a PAVP.

- e. *RM Processes* – Initial RM Processes should be defined including description/status of the RMP.
 - f. *IA* - The IA technical and certification specifics should be defined and specified to the level of detail associated with the system development.
2. **System Architecture** – The purpose of this topic is to review the initial architectural design of the system, including, but not limited to review of the appropriate DoDAF architecture products (see Appendix D). The system architecture starts with a context diagram that clearly delineates the scope of the system, followed by a functional and physical decomposition of the system. The functional view of the system architecture should describe the system functions, their interactions, allocation of system performance requirements to those functions, and relationships of system functions to operational functions. The physical architecture should describe the subsystems and components that comprise the system and the assignment of functions to those components. Components may be hardware, software or a combination of both. The system architecture will be evaluated based on its potential for meeting the system requirements within reasonable bounds of cost, schedule, and technical risk shall be assessed. The degree of OA (openness) of the emerging system shall be assessed.
- a. *System Boundary* - The delineation of the system apart from other systems and its natural and threat environment shall be described. Systems that will provide or receive services or data, along with systems that will physically or operationally interact with the system under development shall be identified. The system description shall include identification of all interfaces where human performance can affect overall system performance. Also any systems that will interact with the system under development for the purposes of achieving operational goals (e.g., SoS interoperability) shall be identified.
 - b. *Functional Architecture* - The functions to be performed by the system shall be described and decomposed in enough detail to convey understanding of the partitioned functions to the subsystem and component level, as well as internal and external functional interface boundaries. The functional architecture description shall also include the relationship of system functions to functions described in the operational architecture. The functional architecture can be described using functional decomposition or an object-oriented design approach, as per SEP.
 - c. *Internal System Structure* - The division of the system into subsystems shall be described and approved. Major foreseen interface relationships between the major divisions shall be described and approved. The boundaries between safety-critical, security-critical and non-critical functions shall be described.
 - d. *System States and Modes* - Any and all unique states of the system shall be described, along with all static and dynamic modes identified. The system requirements presented in this review shall be defined in terms of the state and/or mode to which they apply.
 - e. *System Trades and Analyses* - The major architectural trades that have been identified shall be defined and reviewed for completeness. Results of system boundary trades, functional requirements allocation between subsystems, HSI risks and considerations, and cost/schedule/risk balance trades completed to date should be reviewed.
 - f. *System Concept Description* - The KPPs, technologies, overall system concept, and

- anticipated human performance requirements shall be described to convey the system detail and modeling being used for system assessment, and the conceptual design progress. The differences between the system concept used at this review and the concept that was presented at the ASR, if applicable, shall be described.
- g. *System Effectiveness and Performance Assessment* - Results of system effectiveness and performance assessment shall be reviewed and approved to assure that reasonable solutions exist to meeting the system requirements, and that these solutions are acceptable in terms of likely cost, schedule and risk.
 - h. *TRT Recommendation* - TRT recommendations to agree with, modify, or reject the presented architecture, based upon their independent review of the documentation and analyses submitted, should be presented.
3. **System Requirements** - A thorough review of the system-level requirements shall be undertaken, and all system level requirements in the topics below shall be approved. This review shall assure that the functional, operational and IA requirements have been successfully represented by the system requirements including traceability from operational requirements to operational architecture products to system architecture products to system requirements including Critical Technical Parameters (CTPs) and Critical Operational Issues (COIs).
- a. *Requirements Documentation* - The documentation that holds the system level requirements shall be presented and its status of development should be shown. The requirements documentation tree of which it is part shall be presented and approved.
 - b. *Threat* - The required ECS threat (including IA threat) to which the system mission requirements apply shall be reviewed and approved..
 - c. *System Capability Requirements* - All system capabilities that are derived from the operational needs and conditions for this system shall be described, and all requirements, including potential human performance considerations that are derived from these capabilities shall be reviewed.
 - d. *Other Requirements* - All other requirements not relating to mission capabilities, such as logistics, product support, maintenance, training, safety, IA, and QA shall be reviewed and approved. Specifically, these should include the following where applicable:
 - System safety
 - Training concept
 - Computer Resources and Automated Information Technology
 - Computer resource constraints identified in the ICD
 - Diminishing Manufacturing Sources and Material Shortages (DMSMS)
 - e. *System Qualification Requirements* - The manner by which these system requirements shall be qualified shall be described and reviewed. Qualifications methods such as inspection, analysis, demonstration, and test should be assigned to each system requirement and reviewed.
 - f. *Subsystem Requirements Allocation* - The process of allocating requirements from the system-level to the subsystem level shall be described, and major system requirements

- allocations to subsystems including software safety, security and privacy requirements shall be shown and reviewed.
- g. *Interface Requirements* - The internal and external interfaces will be fully defined, documented, and accepted by all affected parties to enable functional decomposition and presented to the TR.
 - h. *TRT Recommendation* - The TRT's recommendation to agree with or reject the presented requirements, based upon their independent review of the documents and analyses submitted, should be presented.
4. **System Development Plans** - Plans for continuation of system development shall be presented and reviewed to assure that adequate preparation has occurred and that the approved system architecture and requirements have been integrated into those plans.
- a. *Development Schedule* - An overview of the remaining schedule of the entire system development and acquisition shall be reviewed, showing major reviews, experimentation, tests, and expected deployment dates.
 - b. *Near Term Schedule* - The near term plans for the next level of development shall be provided and reviewed, including costs and schedule for the entire next phase.
 - c. *Overall Acquisition Costs* - The estimation of cost for the overall acquisition program shall be described and its progress provided and reviewed.
 - d. *CM* - The approach to management of the system requirements, architecture, and design shall be described and reviewed. The special CM requirements of security-critical elements shall be described.
 - e. *HSI Planning* - The approach to HSI and the HSI Integration Plan shall be described and reviewed.
 - f. *System Safety Program* - The Environment, Safety and Occupational Health (ESOH), Program, Environmental, Safety and Health Evaluation (PESHE), and National Environmental Policy Act (NEPA) compliance should be reviewed.
 - g. *Logistics Planning* - System logistics considerations have been included including:
 - Planned maintenance capabilities
 - Preliminary manpower and personnel requirements
 - Sustainment planning parameters
 - Product support acquisition strategy
 - Product Support Plan (PSP) developed/updated
 - Initial Operational Capability (IOC) / Full Operational Capability (FOC) dates established
 - PBL considered for all support areas including technical assistance, support equipment, distance support, and training
 - System level performance metrics been established
 - Diminishing Manufacturing Sources and Material Shortages (DMSMS) defined
 - RM&A including Design Reference Mission Profile (DRMP), Operational

Availability, Mean Time Between Failure (MTBF), Mean Time To Repair (MTTR) and Mean Logistics Delay Time (MLDT), Fault Detection, Fault Isolation and False Alarm defined

- Onboard diagnostics requirements specified in the system specification and TEMP (where applicable)
 - Initial maintenance concept substantiated by Level of Repair Analysis (LORA) and documented
 - Optimum maintenance concept identified for the service readiness improvement plan, Condition Based Maintenance (CBM), CBM(+), and time base maintenance requirements been identified for special skills, maintenance and operator labor hours by rate by year, and number of personnel by rate, by maintenance level, and by year
- h. *Manpower, Personnel & Training* – includes ensuring TRPPM conducted and that manpower and personnel requirements have been identified for both organic and contractor support
- i. *TRT Recommendation* - The TRT's recommendation to agree with or reject the presented plans for the next phase of development, based upon their independent review of the plans submitted, should be presented.

C. Entrance and Exit Criteria

1. Entrance criteria for a SRR are:

- a. ASR and action items from ASR completed.
- b. A system concept description has been developed that shows the changes to the system concept as presented at the ASR (if applicable).
- c. User operational requirements analyzed and translated into system-specific functional and performance requirements for mission capabilities.
- d. Technology validation and demonstration plans complete and closure plans on technical demonstrations and maturation's achieving required progress.
- e. Risks identified, quantified, and reflected in the risk mitigation actions achieving required progress.
- f. Total system approach to satisfying requirements (including interfaces) for the primary system functions identified (draft system and initial development specifications).
- g. The system architecture has been defined.

2. Exit criteria for a SRR are:

- a. Appropriate architecture products have been reviewed and, where appropriate, approved
- b. System requirements are traceable and have been approved.
- c. The system architecture has been reviewed and judged adequate to proceed to SFR.

- d. System option decisions completed.
- e. Support strategy defined and accepted
- f. Documents and products in the SRR technical data package (see Appendix D) have been reviewed and assessed by the TRT.
- g. KPPs defined, quantified, and documented.
- h. Plans for the next set of system development activities have been accepted.
- i. SEP developed and implemented; project technical status in the SEP has been updated.

System Design Review

A. SDR – Overall Guidance

1. **Objective** - The objective of the SDR is to review and approve the technical description of the system, including its system requirements and architecture, and to establish the functional baseline for the system.
2. **Scope** - The SDR is conducted to demonstrate convergence on, and achievability of, system requirements and their suitability to guide preliminary design. The SDR is primarily concerned with the overall review of the system requirements and their ability to satisfy operational and suitability requirements, the system architecture and allocation of system requirement to architectural elements (subsystems and CIs), and accomplishment of SE management activities. The SDR sets the baseline for engineering development at lower levels in the system architecture, accompanied by analysis, trade studies, M&S, to achieve an optimum definition of the major system elements, with associated functional and performance requirement allocations. This activity results in the final version of the system requirements specification and the system architecture description. It also results in draft versions of performance specifications for subsystems and key components below the system level. These documents define the system functional baseline and the draft allocated baseline.
The SDR shall be held at the system level, where the acquisition authority has been placed, to oversee the development of the system. Subsystem functional reviews can be held if deemed appropriate. An SDR may also be conducted at the SoS level. Throughout this section, the term “system” may also be applied to subsystems of a system or to an overall SoS.
3. **Documentation** - Documentation shall be provided to the TRT in enough detail to allow a sufficient review and formation of conclusions by the TRT. Documentation associated with this technical review is summarized in Appendix D of this TRM.

B. SDR Topics

1. **System Landscape** - The purpose of this topic is to provide an overall perspective of where the system fits into the overall service environment. This overview is necessary because many attendees at the SDR will not have had the luxury of having continuous exposure to development information. The main focus of the landscape is to reveal how well the system’s requirements (including internal and external interfaces) are being defined, allocated and scheduled for

development. Identified functional requirements shall be analyzed to determine the lower level functions required to accomplish the parent requirement. Functional requirements shall be arranged so that lower level functional requirements are recognized as part of higher-level requirements ensuring that effectiveness and suitability requirements are addressed. A timeline analysis should be performed for those threads of execution where time is critical. Functional flows will be logically sequenced with input, output, and functional interface (internal and external) requirements defined and traceable from beginning to end.

2. **System Specifications** – Advance copies of the Type A Specification, Type B1 Specifications and System Interface Documentation will be provided.
3. **System Architecture and Interfaces** – The functional architecture should be described in enough detail to convey understanding of the partitioned functions as well as external and internal functional interface boundaries. The functional architecture should be explained including allocation of requirements between automation and humans, including the IA robustness. Products associated with architecture views (operational, system, and technical) should be defined and reviewed. The degree of OA of the emerging system shall be assessed..
4. **Risk Assessment** - The integration of RM within overall program management is the responsibility of the PM. Risk is normally associated with cost, schedule, or technical impact. A RMP is updated and the results of the risk assessment (identifying and analyzing risks) shall be presented to verify that the risks associated with the system development (technical impact) are at acceptable levels for engineering development. If not, risk mitigation plans must be developed and approved.
5. **Trade Studies and Analysis Reports** - Trade studies and analyses are formal decision making methodologies used to make choices and resolve conflicts during the SE process. During SDR, an assessment shall be presented to: (a) verify correct allocation of performance requirements, (b) verify that the design selections have been optimized and constraints identified, and (c) determine performance requirements for lower-level functions when higher-level performance and functional requirements cannot be readily resolved to the lower-level.
6. **Technical Performance Measurement (TPM)** - TPM is an analysis and control technique that is used to: (a) project the probable performance of a selected technical parameter over a period of time, (b) record the actual performance observed of the selected parameter, and (c) through comparison of actual versus projected performance, assist the PM in decision making. The total set of Technical Performance Measures shall include the means to assess hardware, software, and human performance. These parameters will be key indicators for evaluation of technical performance achieved and will thereby contribute to assuring that requirements are met. An assessment of the TPM data analysis will be presented to identify progress toward achieving system performance within budget and schedule constraints.
7. **Product Plans** - Draft enabling product plans (e.g., reliability, maintainability, and availability management plans, HSI Plan, software test Plans, SDP, and maintenance concept/planning documents), including the SEP as well as product support planning, shall be provided to the TRT and a summary of comments presented during the SDR.
8. **Test and Evaluation Planning** - T&E planning should be discussed including PAVP updates since SRR, Test Strategy, test planning, and completion of the Software Test Plan. Test requirements should be traceable to system and functional requirements and assigned a

verification method. RMA test planning should also be included.

9. **Development Schedule** - An overview of the remaining schedule of the entire system development and acquisition shall be reviewed including updates to the IMS/IMP since SRR and showing major reviews, experimentation, tests, and expected deployment dates.
10. **Software Development Approach** – The software development approach and plans must be documented in the Software Development Plan (SDP), and discussed at the review. Key topics include a discussion of the Software development environment (with an emphasis of verifying that the tools and facilities are appropriate and sufficient for anticipated development).

C. SDR – Entrance and Exit Criteria

1. Entrance criteria for a SDR are:

- a. SRR completed and AIs from SRR completed.
- b. System's functional architecture, manpower documentation, and draft allocated configuration documentation establish the adequacy, completeness, and achievability of function, performance and IA requirements (sufficient design and systems analyses including assessment and quantification of cost, schedule, and risk).
- c. Critical technologies for people, product, and process solutions verified for availability, achievability, needed performance, and readiness for transition.
- d. SE and SW development processes are completely defined and plans for the next phase established.
- e. Documents and products in the SFR technical data package (see Appendix D) have been reviewed and assessed by the TRT.

2. Exit criteria for a SDR are:

- a. Appropriate architecture products have been reviewed and, where appropriate, approved.
- b. Installed environments (e.g. environmental, power, footprint) have been accepted.
- c. Software development environment defined (with an emphasis of verifying that the environment is appropriate and sufficient for anticipated development) and accepted.
- d. Software development approach presented, with concurrence on approach among software SMEs.
- e. Implementation schedule accepted, and executable within the anticipated cost and technical risks
- f. Progress toward establishing Software Development Environment is satisfactory.
- g. Preliminary design criteria and margins accepted.

- h. External and internal interface defined/preliminary interface specifications accepted.
- i. Baseline support/resources requirements accepted.
- j. System defined and accepted and system level requirements shown to be achievable.
- k. Allocation of requirements to subsystem level approved.
- l. Plans for the next level of system development have been accepted.
- m. Functional baseline approved and system requirements and architecture documents placed under configuration control.
- n. Testing approaches accepted among all stakeholders.
- o. CIs have been defined.
- p. System functional definitions and functional decomposition detailed enough to support preliminary design.
- q. Known risks are manageable for implementation of the functional requirements into a preliminary design.
- r. Project technical status in the SEP has been updated.

D. System Preliminary Design Review (PDR) – Topics

- 1. **System Landscape** – The purpose of this topic is to review the documentation including, but not limited to the appropriate architecture products and to provide a perspective of where the subsystems and CIs fit into the overall system. This overview is necessary because many attendees at the PDR will not have had the luxury of having continuous exposure to development information. The main focus of the landscape is to reveal how well the Systems, subsystem, and SCI requirements are being scheduled and managed.
 - a. *System Architecture* – An identification of all system CIs and their relationships, including a description of all connections/interfaces between the CIs. This description will be presented so that the relationships of the different builds are also identified (if the system is to be developed in multiple builds). The degree of OA (openness) of the emerging system shall be assessed. Topics to be presented include:
 - An overview of the system requirements
 - The allocation of system requirements to CIs
 - User interfaces, including displays
 - The allocation of requirements to each system build together with any requirements deltas
 - The interfaces between the CIs, broken out into builds
 - The layers of the architecture (if layers have been defined)
 - Locations of new and reused software (including COTS, NDI, legacy, and GFI)
 - Plans for how reused CIs will meet IA requirements
 - Reliability and Maintainability

- Electromagnetic Environmental Effects (E3) and Spectrum Supportability
 - Producibility
 - Organization structure
 - Updated IMS
- b. *Requirements Flow-Down* – A description of how the system requirements are allocated to the various CIs as traced through the requirement documents and databases including a breakdown of how the requirements are allocated across builds, and provide references so that reviewers can examine documentation defining which requirements are allocated to which builds. This topic also includes descriptions of:
- Requirements changes made since SDR
 - Security critical requirements
 - Net-Centric Operations and Warfare Policy Requirements
 - Quality requirements (including reliability, availability and maintainability)
 - Requirements supporting test and analysis (i.e., log files)
 - Safety critical requirements
- c. *System Build Plans* – A description of the build plan for the System, including any builds that are to be prepared for deployment. This shall include:
- Dates when technical agreements are needed on the content of the various requirements and design documentation
 - Software data rights that have been procured by the Government, and the Government's plans for maintenance and upgrade of the software over its life cycle.
 - The physical security and software security implementation required to be consistent with the security level of the software and any data or crypto stored and managed by the software during both development and operational use
- d. *Test Processes* - Test processes are detailed in the TEMP (where applicable) and the contractor's overarching T&E strategy. In SoS and FoS reviews, this will address the end-to-end testing of SoS / FoS distributed services. This also includes identification of all certification test requirements.
2. **Integrity of SE Processes** – A general description of the system development processes/methods being followed as well as tools that are to be used (as documented in the SEP/SEMP). Include a detailed explanation of any process and tool changes that have been made since the SDR, including rationale on why the changes were made and an assessment of the impact of these changes on the development plan. Also include any changes to the CM Plan and processes and a description of the measures to be used in assessing human performance and operator workload (cognitive/temporal/physical), and that the Manpower Estimate Report (MER) has been completed and approved.
3. **System Progress** – A description of the progress made in system development as compared to the plan.
- a. *System Landscape* – A general description of the system landscape, including an overview of the environment within which the system will operate, 'System's architecture with identification of all subsystems and CIs. Detailed documentation defining the 'System's architecture will be made available for the System PDR review members for review off-line.

- Include an identification of where, within the architecture, development/new and reuse components will be located (including NDI, COTS, legacy and government furnished information (GFI)). Describe how reused components will meet IA and safety requirements. Describe plans for integration of GOTS/COTS components during future COTS refresh cycles. Also, describe where industry and government standards are applied.
- b. *Maturity of Functional/Subsystem Design* – The TRT will assess the completeness of the design, focusing on topics in the following list. The results of the TRT assessment will be provided at the PDR to a level of detail sufficient for decision-making. The assessment is focused on:
 - Allocation of each CI's functionality and algorithms
 - Definitions of all CIs in terms of interfaces, allocated functionality, and algorithms
 - Initial considerations for technology refresh planning, including logistical support and training
 - Software requirements allocated to GOTS/COTS and reused software
 - c. *Performance Estimates* – A description of the CI's performance requirements and how the architecture supports these. Such requirements include:
 - Data and processing accuracy and precision requirements, including computational and algorithmic, reject rates, tolerances, and numerics
 - Execution time requirements (including latency, timing and synchronization)
 - Sizing requirements (including main memory, auxiliary memory (e.g., disk))
 - Capacity requirements, including throughput and functional capacities (e.g., number of tracks)
 - Usability, human performance, and operator workload requirements
 - Any changes since SDR will be described in detail, including the reasons for such changes
 - d. *System Metrics* – A description of the core required metrics on Software Development, Verification and Validation (V&V), Design Reuse, and Metrics Policy (ref (j)).
 - e. *Assessment of DA Progress* – The TRT will, prior to the System PDR meeting, assess the plans and the progress made by the developing activity (DA). The assessment will cover the areas listed above, but at a more detailed level, with the purpose of determining whether sufficient progress has been made in development to allow continuation of development with acceptable risk. This portion of the assessment will cover:
 - Requirements Stability – The degree to which the system requirements have been stabilized
 - System Architectural Design – A completeness, maturity, and appropriateness of the design as proposed by the DA. Areas of focus include:
 - CI identification and definition
 - Functionality allocated to the CIs
 - Interfaces between CIs
 - Algorithms to be implemented by the CIs
 - SDP Process – The quality of the planned processes to be applied as well as the level of adherence to the processes defined for the detailed design phase
 - Other changes made since SFR including a thorough explanation of the changes and the

reason for the change

4. **Testing** – A description of the test plans and procedures that will be applied to the system.
 - a. *System Test Plans* – The maturity and completeness of the developer’s plan for testing the system including the TEMP when applicable. An overview of the test approaches planned for system testing and lower-level testing, including:
 - The relationship to system-level testing, including plans for multi-SCI testing and system integration testing
 - The test environment defined
 - Test evolution across builds
 - Allocation of test approaches to and verification method for each SRS-level requirement
 - Traceability of test requirements
 - Criteria to be used to assess compliance (including correlation to performance goals)
 - Requirements and design features supporting data extraction and test analysis
 - Facilities and test resources defined and included in T&E planning.
 - Special test equipment
 - T&E Facilities availability to meet schedule
 - HSI verification
 - Automated tools
 - Other special topics that affect the test approach
 - Changes since SSR and how these changes affect the program plan are to be included
 - b. *Lower-level Tests* –
 - Special handling for mission safety critical requirements and components
 - A description of the tests to be performed on the components, from unit level to top-level component level, including:
 - Degree of coverage planned for the tests, both structural (statement coverage, branch coverage, path coverage) and functional
 - How the lower-level tests are coordinated with SCI-level testing
 - c. *PAVP* Where applicable, updates to the PAVP shall be addressed including:
 - How the T&E strategy meets the PAVP requirements
 - How the PAVP reflects Net-Centric Operations and Warfare requirements
 - How the PAVP address metrics and test procedures to ensure that human integration requirements for each domain are delivered and satisfy the requirements
5. **Risk** – A summary of the RM processes and risk database items identified for the CIs that have the potential to impact successful completion of the CIs, covering all topics including staffing, training, logistics, shall be highlighted along with mitigation plans and plans and progress toward resolution.
6. **Logistics** – A discussion of Logistics planning and processes to include:
 - Service training systems plan been development and validation
 - Training Outline and Curricula Design
 - Training Devices / Simulators

- Initial Training Requirements
- Supply Support Management Plan (SSMP)
- Provisioning technical documentation being procured to support end items that have parts subject to failure / replacement and require maintenance at any level
- Organic Support, if required
- Supply Chain Management / PBL Management as required
- Short term and longer term full rate production requirements include the time phasing of all resource requirements (e.g., personnel, machines, tooling, measurement system, supply chain)
- Warranties integrated in logistics support strategy,
- Packaging, Handling, Storage and Transportation (PHS&T)
- Maintenance Planning including PBL and legacy systems

E. System PDR – Entrance and Exit Criteria

1. Entrance criteria for the System PDR are:

- a. Documentation complete for all architectural design, test plans, and software processes and tools in the PDR technical data package (see Appendix D) have been reviewed and assessed by TRT.
- b. Operator and maintainer task descriptions specified
- c. Previous technical review completed and all AIs from previous review have been closed.
- d. Software metrics have been collected and are ready for presentation.
- e. Plans for the next level of system development have been established.

2. Exit criteria for the System PDR are:

- a. Architecture products have been reviewed and, where appropriate, approved.
- b. Design analysis/definition complete:
 - All top-level components (CIs) are identified
 - Component interfaces, allocated functionality, and algorithms needed to implement the functionality are defined and accepted
- c. Test plans concurred in:
 - Requirements, for the SCI, are mapped to test approaches
 - Test strategies, for the lower-level testing, are fully defined and accepted (to include structural coverage goals for SCI unit test)
- d. Processes: Development processes are fully defined in the SDP or equivalent document, are adequate for coding and unit test, and have been accepted.
- e. Empirical data on critical and frequent operator tasks and decisions that will be necessary to measure human performance has been identified.

- f. All tools required for the next phase are in place and ready for use, including tools for user interface, prototyping, and operator testing.
- g. Risks are known and manageable; risk mitigation plans are in place and compatible with the equipment and SW development schedule.
- h. Program/project schedule executable within cost and schedule; plans for the next phase of system development have been accepted.
- i. Project technical status in the SEP has been updated and approved.
- j. Allocated Baseline documentation placed under configuration control: (CIs and their allocated requirements as defined by design specifications and software segment specifications).
- k. Allocated Baseline, or equivalent, has been established, is complete, and is under configuration control.

System Critical Design Review (CDR)

A. System CDR – Overall Guidance

- 1 **Objective** - The objective of the System CDR is to assess the completeness of the detailed design and how it supports the performance requirements as well as overall progress being made in developing the system.
- 2 **Scope** – System CDRs are conducted to demonstrate that the system/subsystem detailed design and the test plans are sufficiently complete and stable, and will fully support system requirements. Many programs use drawing release as a metric for measuring design completion. The System CDR is not considered complete until the successful completion of all HW CDRs and SW CDRs.
- 3 **Documentation** - Documentation shall be provided to the TRT in enough detail to allow a sufficient review and formation of conclusions by the TRT. Documentation associated with this technical review is summarized in Appendix D of the TRM.

B. System CDR – Topics

1. **System Landscape** - The purpose of this topic is to review the documentation including, but not limited to the appropriate architecture products and to provide a perspective of where the SCI fits into the overall system. This overview is necessary because many attendees at the CDR will not have had the luxury of having continuous exposure to development information. The main focus of the landscape is to reveal how well CIs (and system's) requirements are being scheduled and managed. The degree of OA (openness) of the emerging system shall be assessed. Topics to be presented include:
 - An overview of the system requirements
 - The allocation of system requirements to CIs
 - User interfaces, including displays

- The allocation of requirements to each system build together with any requirements deltas
 - The interfaces between the CIs, broken out into builds
 - The layers of the architecture (if layers have been defined)
 - Locations of new and reused software (including GOTS/ COTS, NDI, legacy, and GFI)
 - Plans for how reused CIs will meet IA requirements
2. **Integrity of System Engineering Development Plan (SEP/SEMP) Process** - A general description of the system development processes/methods being followed as well as tools that are to be used (as documented in the SEMP). Include a detailed explanation of any process and tool changes that have been made since the PDR, including rationale on why the changes are made and an assessment of the impact of these changes on the development plan.
3. **System Progress** - A description of the progress made in system development as compared to the plan defined in the system development landscape.
- a. *SCI Landscape* - A general description of the system's landscape, including an overview of the CI's architecture with identification of all CIs, and a description of the changes made since this topic was reviewed at PDR. Detailed documentation defining the SCI's architecture will be made available for the CDR review members for review off-line. Include an identification of and how reused components will meet IA requirements and where, within the architecture, new and reuse components will be located (including NDI, GOTS/ COTS, legacy and GFE/GFI). Describe plans for the integration of GOTS/COTS components during future COTS refresh cycles. Also describe where industry and government standards are applied.
- Include an overview of the system's architecture with identification of all CIs, and a description of the changes made since this topic was reviewed at PDR. Detailed documentation defining the CI's architecture will be made available for the CDR review members for review off-line.
- b. *Maturity of Detailed Design* - The TRT will assess the completeness of the detailed design relative to what was planned for the system at the time the CDR is being held, focusing on the topics in the following list:
- All internal and external CI interfaces shall be completely defined (all data items, types, invocations)
 - The internal design for all CIs shall be defined, as demonstrated by the completion of
 - All operator task descriptions are fully defined and supported
 - Allocation of functionality and algorithms to the constituent components within all CIs
 - Definitions of all CI components and units in terms of interfaces, allocated functionality, and algorithms
 - No new software units should need to be defined for the build under review
 - All software algorithms shall be defined and allocated
- c. *Performance Estimates* - A description of the system's performance requirements and how detailed design supports these. Such requirements include:
- Data and processing accuracy and precision requirements, including computational and algorithmic, reject rates, tolerances, and numerics
 - Execution time requirements (including latency, timing and synchronization)

- Sizing requirements (including main memory, auxiliary memory (e.g., disk))
 - Capacity requirements, including throughput and functional capacities (e.g., number of tracks)
 - Measures of human performance and operator workload (cognitive/temporal/physical) that demonstrate human and system performance requirements will be satisfied
 - Any changes since PDR will be described in detail, including the reasons for such changes
- d. *Software Metrics* - A description of the core required metrics shown are contained in the PEO IWS Instruction on Software Development, Verification and Validation (V&V), Design Reuse, and Metrics.
- e. *Assessment of Progress* – The TRT will, prior to the System CDR meeting, assess the plans and the progress made by the DA. The assessment will cover the areas listed above, but at a more detailed level, with the purpose of determining whether sufficient progress has been made in detailed design to allow initiation of additional coding. The assessment shall cover:
- *Requirements Stability* - The degree to which the system and CI requirements have stabilized.
 - *Architectural Design Changes* - A detailed description of any changes made since PDR of:
 - CI and CI design identification and definition
 - Functionality allocated to the CIs and their internal components
 - Interfaces between CIs and their internal components
 - Algorithms to be implemented by the CI and their internal components
 - Functionality allocated to operators, including operator job descriptions
 - Other changes made since PDR including a thorough explanation of the changes and the reason for the change
 - *SDP Process* - The quality of the planned processes to be applied as well as the level of adherence to the processes defined for the coding phase
 - *Configuration Control of Documentation*
 - System, software, and hardware Design Documents are complete and under CM control
 - Interface Design Documents (IDDs) are complete and under CM control
 - Reliability”, “Maintainability” and Built-in-Test (BIT) requirements defined”, documented and under CM control.
4. **Testing** - A description of the test plans and procedures that will be applied to the SCI.
- a. *Test Approach* - An overview of the tests planned for the system and CI-level, including:
- The relationship to system-level testing, including plans for multi-SCI testing, and system integration testing
 - The test environment including Modeling and Simulation capabilities and limitations.
 - Test evolution (across builds)
 - Allocation of test approaches and verification methods to each SRS-level requirement
 - Detailed test schedule with test interdependencies
 - Criteria to be used to assess compliance
 - Requirements and design features supporting data extraction and test analysis
 - Special test equipment

- HSI verification
 - Evaluation of human performance capabilities within design parameters
 - Automated tools
 - Special handling for mission safety critical requirements and components
 - Other special topics that affect the test approach including certification test requirements
 - Government and contractor T&E facilities,
 - Training requirements for DT&E and OT&E (when required)
 - Changes since PDR and how these changes affect the program plan are to be included.
- b. *FQT Descriptions* - A description including the maturity and completeness of the DA's plans for testing the system and its CIs, both at the system level and at lower levels, as well as the completeness and adequacy of the test descriptions, and focusing on the topics in the following list.
- Test cases (input data) for each system/CI requirement
 - Expected results
 - Criteria to be used to assess compliance (including correlation to performance goals)
 - Other changes made since PDR including a thorough explanation of the changes and the reason for the change
- c. *Lower-level Tests* -
- A description of the tests to be performed on the CI components, from unit level to top-level component level, including:
 - Degree of coverage planned for the tests, both structural (e.g. statement coverage, branch coverage, path coverage) and functional
 - Special handling for mission or safety critical requirements and components
 - How the lower-level tests are coordinated with system and CI-level testing
5. **Risk** - A summary of the Risk Database items identified for the system and its CIs that have the potential to impact successful completion of the system, covering all topics including staffing, training, and logistics, shall be highlighted along with mitigation plans and plans and progress toward resolution. Any changes to risk since PDR shall be specifically addressed.
6. **Logistics** - A discussion of Logistics issues including COTS/GOTS obsolescence issues, supply chain management/PBL management, system training plans and projected material support date.

C. System CDR – Entrance and Exit Criteria

1. **Entrance criteria** for a System CDR are:
 - a. For the initial System CDR, at least one system build has been performed, and the design of the system is sufficiently mature to warrant establishing the initial Developmental Baseline. For subsequent CDRs, at least one system build has been completed since the last System CDR, or a period of six months has transpired.
 - b. All System PDR AIs closed, and all actions items from previous System CDRs have been closed.
 - c. Software metrics collected and ready for presentation.

- d. Plans for the next phase of system development have been established.
 - e. Documents and products in the CDR technical data package (see Appendix D) have been reviewed and assessed by the TRT.
 - f. New risks since PDR have been identified, quantified, and reflected in the risk mitigation actions
 - g. Software Design Document(s) (SDDs) complete and ready to be placed under configuration control
 - h. Software Interface Design Document(s) (IDDs) complete and ready to be placed under configuration control
 - i. Preliminary test procedures for software integration and systems testing submitted for review
2. **Exit criteria** for a System CDR are:
- a. Appropriate architecture products have been reviewed and, where appropriate, approved.
 - b. Design maturity and completeness:
 - All system and CI components are identified.
 - For each component, its interfaces, allocated functionality, and algorithms needed to implement the functionality are fully defined and accepted as correct.
 - Measures of human performance and operator workload (cognitive/temporal/physical) that demonstrate human and system performance requirements will be satisfied
 - c. Test plans:
 - All test cases (including input values, expected output, and evaluation criteria) have been fully defined and accepted
 - The degree of coverage of the test cases against the requirements for the build under review has been shown to be 100%
 - For lower level testing, test strategies are fully defined and appropriate (to include structural coverage goals for unit test)
 - d. Software development processes are fully defined in the SDP are appropriate for coding and unit test, and have been accepted.
 - e. All tools required for fabrication are in place and ready for use.
 - f. Risks have mitigation plans in place that are compatible with the SW development schedule.
 - g. Plans for the next level of system development have been accepted.
 - h. Technology refresh approach is identified, including training and logistic support.
 - i. Operator and maintainer task descriptions approved.

- j. Project technical status in the SEP has been updated.
- k. Program schedule is executable within the anticipated cost and technical risks
- l. Approved preliminary Product (development) Baseline documentation (including artifacts documenting the CIs) has been placed under configuration control.

Test Readiness Review (TRR)

A. TRR – Overall Guidance

1. **Objective** - The objective of the TRR is for the contracting agency to determine whether the developer and all associated activities are mature enough and sufficient progress has been made in development and test planning to begin formal CI testing with an acceptable likelihood of successfully passing formal testing. Also considered in this test process are requirements for IA and HSI. This is accomplished by demonstrating the preparedness of personnel, plans, and test resources.
2. **Scope** - During the TRR, the contracting agency assesses test objectives, procedures, safety, resources and testing coordination. The contracting agency also reviews the results of informal testing, configuration of the Unit Under Test (UUT), and any updates to the operation and support documents. A successful TRR is predicated on the contracting agency's determination that the test procedures, informal test results, and configuration of the UUT form a satisfactory basis for proceeding into formal CI testing.
3. **Documentation** - Documentation shall be provided to the TRT in enough detail to allow a sufficient review and formation of conclusions by the TRT. Documentation associated with this technical review is summarized in Appendix D.

B. TRR – Topics

1. **System Landscape** - The purpose of this topic is to review the documentation including, but not limited to the appropriate architecture) and to provide an overall perspective of the system. This overview is necessary because many attendees at the TRR will not have had the luxury of having continuous exposure to development information. The main focus of the landscape is to describe the system architecture including all CIs and system requirements.
 - a. *System Architecture* - Identification of all CIs to be tested, including a description of all connections/ interfaces between the HWCIs, SCIs, and operators/maintainers. The degree of OA (openness) of the system shall be assessed. Topics will include:
 - An overview of the total system requirements as defined in the system specifications
 - Organizational description of operators and maintainers associated with the system
 - The allocation of system requirements to CI as defined in the individual CI critical item development specifications
 - User interfaces, including displays
 - The connectivity among system CIs as defined in the IDSs
 - Top Level and Detailed Drawings
 - Identification of all NDIs, GFE, and legacy equipment.

b. *CI Identification* - An identification of the specific CI for which the TRR is being conducted. This description includes an overview of its functional and performance requirements as defined and any associated SCI and firmware documentation.

c. *Requirements Flow-Down* - A description of how the TEMP requirements are allocated to the various CIs as traced through the requirement documents and databases. This topic also includes descriptions of:

- Requirements changes made since CDR
- Security requirements
- Environmental requirements [including shock, vibration, EMC/EMI, temperature, humidity]
- Safety requirements
- Quality requirements (including reliability, availability and maintainability)
- Requirements supporting test and analysis are traceable to CDD and KPPs
- Requirements tracked, traced, and modeled in automated tool

2. **Test Process** - An overview of the test approaches planned for the system including:

- Specification qualification (see Appendix D)
- The test environment including M&S capabilities and limitations
- The test scenarios
- Test user characteristics
- Descriptions of sample test cases (input data)
- Criteria to be used to assess compliance
- Previous metrics from other phases of testing that support the case that system level testing should proceed
- Special handling for mission safety critical requirements and components
- Test failure flow diagram to determine test continuation, termination or restart (retest philosophy)

3. **Testing** - The purpose of testing is to verify technical performance, operational effectiveness, operational suitability, and IA robustness; and it provides essential information in support of decision-making. The TRR determines the completeness of test procedures and their compliance with test plans and descriptions.

a. *Test overview* - An overview of the testing plans including:

- Test Scope
- Test Objectives
- Test Schedule with interdependencies
- Test Methodology
- Scenario Summary
- Testing Architecture and Configuration
- Testing Roles and Responsibilities for all test resources

b. *Test readiness and limitations* - An overview of system and test resource readiness and

- HW
 - SW (including M&S required for test conduct)
 - Networks
 - Platforms
 - Land based test sites
 - Data collection centers
 - Test user availability and training requirements
 - Test administration training and personnel
 - Test support equipment
 - Human performance measures
 - Key metrics from system level testing
 - Test Ranges
 - Other Test Resources.
- c. *Analysis and Report Plan* - An overview of the plan to ensure that the test results are traceable to the configuration of the system at the time of test and to report the results of the test including:
- Data Management Review
 - Test Analysis Review
 - Criteria for Certification of the system (includes Interoperability and IA certifications)
 - Performance Expectations
 - Operational Expectations
 - Conclusions
4. **Assessment** – Prior to the TRR meeting, TRT will assess the plans and the developer's progress against these plans. This assessment will determine whether the system is mature enough and sufficient progress has been made in development and test planning to initiate testing. The TRT assessment will be provided at the TRR at a level of detail that will enable the TRR to make a Go / No Go decision for the test. The assessment shall cover:
- a. The completeness, appropriateness, and maturity of the system test plans when applied to the as-built version of the system.
 - b. The completeness, maturity, and appropriateness of the test design for each CI requirement and whether it will support the system verification.
 - c. The quality of the criteria to be used to assess compliance (including correlation to performance goals).
 - d. A description of the lower-level tests performed on CI components, modules and subsystems, including special handling for mission safety critical requirements and components, and degree of coverage planned for the tests.
 - e. A description of the changes made since CDR including a thorough explanation of the changes and the reason for the change.
5. **Risk** - A summary of the Risk Database items identified for the system that have the potential to

impact successful completion of the system, covering all topics including staffing, training, and logistics, shall be highlighted along with mitigation plans and plans and progress toward resolution.

6. **Metrics** – Software metrics identified for the S/W CDR as well as CDR metrics for hardware will be presented and considered in the assessment of test readiness.

C. TRR – Entrance and Exit Criteria

1. **Entrance criteria** for a TRR are:

- a. TRR planned in accordance with the procedures established in the test plan.
- b. System/software test plans, procedures and test description changes have been approved.
- c. Metrics demonstrating that operator testing, subsystem testing and CI informal testing have been successfully completed.
- d. Testing deficiencies have been resolved and required changes implemented.
- e. Documents and products in the CDR technical data package (see Appendix D) have been reviewed and assessed by the TRT.
- f. Configuration of system under test defined and accepted; all items are in an approved baseline (i.e. under CM/Configuration Control).
- g. Status of test resources documented.
- h. Test limitations are documented.
- i. Summary of problem status is documented, including all known discrepancies of test support equipment.
- j. CDR successfully completed; all CDR AIs completed.
- k. Roles and responsibilities of all test participants defined and accepted.

2. **Exit criteria** for a TRR are:

- a. Any changes to architecture products) have been reviewed and, approved.
- b. Test personnel, test users, facilities, support equipment, procedure manuals and UUT are ready for test.
- c. Test procedures comply with test plans.
- d. Test scenarios are representative of anticipated operational environment.
- e. Test plans demonstrate that successful accomplishment will fulfill test requirements, including IA and Anti-Tamper (AT), where applicable.

- f. Test configuration is accepted.
- g. Test analysis and report plans accepted.
- h. Certification criteria for the system is accepted.
- i. PAVP and Test Strategy reviewed and approved (if required).
- j. All test program risks identified and mitigation plans approved or risk accepted .
- k. SW components for system under test frozen and under CM.
- l. Test program executable within cost, schedule, and performance risks.
- m. Project technical status in the SEP has been updated.

SUMMARY OF TECHNICAL REVIEW DOCUMENTATION

This table provides a list of typical information and document items that correspond to the reviews described in this TRM. This is provided for information purposes only, as a way of assisting to ensure that adequate data is available for conducting reviews. There are many alternate forms that this information can take, including as databases within development tools.

Documentation Technical Reviews	SRR	SFR	SSR	PDR	CDR	HW PDR	SW PDR	HW CDR	SW CDR	SW IR	TRR
- - ECS/TBDD	U										
Key Performance Parameters	F	U									
Design Reference Mission (DRM)	U	U									
Operational Concept Document	F	U									
Capability Development Document	F										
Technology Readiness Assessment	F										
System Requirements Document (SRD)	P	F	U								
Work Breakdown Structure (WBS)	P	F	U	U	U						
Milestone Schedule	P	F	U								
Integrated Master Schedule / Integrated Master Plan	F	U	U	U	U						
System Engineering Plan	F	U	U	U	U	U	U	U	U	U	U
Configuration Management (CM) Plan	F	U	U	U	U						
Risk Management Plan (RMP) / Risk Database	F	U	U							U	
Mission and Requirements Analysis	P	F	U								
Functional Flow Analysis	P	F	U				U		U		
PAVP	P	F	U								U

Technical Review Manual (TRM) Tailoring

HQ0276-10-C-0001

1 October 2009

Documentation Technical Reviews	SRR	SFR	SSR	PDR	CDR	HW PDR	SW PDR	HW CDR	SW CDR	SW IR	TRR
Trade and Design Studies	P	F	U	U	U	U	U	U	U		
Specialty Engineering Studies	P	F	U	U	U	U	U	U	U		
Human Systems Integration Plan	P	F	U	U	U	U	U	U	U	U	
Logistics Support Analysis	P	P		F	U	U		U			
Supportability Analysis Plan	F										
Technical Performance Measurement Planning	P	F	U	U	U	U	U	U	U		
System Safety Plan	P	P	U	F	U	U	U	U	U	U	
Security/IA	F	U	U	U	U	U	U	U	U	U	U
Quality Assurance Plan (QAP)	P	P	F	U	U						
Prime Item Development Specification (PIDS)		P	P			F	U				
Critical Item Development Specification (CIDS)		P	P			F					
Software Requirements Specification (SRS)		P	F							U	
External Interface Requirements Specifications (IRS)	P	F	U							U	
Internal Interface Requirements Specifications (IRS)		P	F	U	U					U	
Interface Control Documents		P				F		U			
Support Equipment Specs		P				F		U			U
Software Development Plan (SDP)		P	F				U		U	U	
Software Design Description (SDD) or Model Equivalent			P				F		U	U	
Metrics Plan (MP)			P				F				
Test Strategy Doc.		P		U	U	U				U	F

Documentation Technical Reviews	SRR	SFR	SSR	PDR	CDR	HW PDR	SW PDR	HW CDR	SW CDR	SW IR	TRR
Training Planning Process Methodology				F							
System/Software Test Plan (STP)			P				F		U	U	U
Interface Design Description (IDD)							P		F		U
Software Test Description (STD)							P		F	U	U

Legend: D = Draft; P = Preliminary; F = Final; U = Update (if required) ; O = Optional; where:

- “Draft” is defined as an initial product that was generated and reviewed to support the assessment of other products, but that is expected to undergo further refinement before being assessed for sufficiency or baselined
- “Preliminary” is defined as being reviewed and assessed sufficient to proceed to the next phase
- “Final” is defined as being reviewed and assessed sufficient to proceed to the next phase, and to be established as a baseline under CM
- “Update” is defined as being updated in accordance with established CM processes, with the last “update” being considered the final
- “Optional” is defined as being provided, if applicable.

Milestone Event Completion Criteria

Milestone Event	Completion Criteria
Systems Requirement Review (SRR)	Completion of a SRR per Attachment J-7. Closure plans for open QIRs established within 30 days post-SRR. All Category A Action Items from SRR resolved and approved by SRR Chairman. SRR Chairman authorizes proceeding to SDR
System Design Review (SDR)	Completion of a SDR per Attachment J-7. Closure plans for open QIRs established within 30 days post-SDR. All Category A Action Items from SDR resolved and approved by SDR Chairman. SDR Chairman authorizes proceeding to PDR
Preliminary Design Review (PDR)	Completion of a PDR per Attachment J-7. Closure plans for open QIRs established within 30 days post-PDR. All Category A Action Items from PDR resolved and approved by PDR Chairman. PDR Chairman authorizes distribution of the release copy of the A level and Prime Item Development Specifications for the Baseline and commencement of detailed design development
Critical Design Review (CDR)	Completion of a CDR per Attachment J-7. Closure plans for open QIRs established within 30 days post-CDR. All Category A Action Items from CDR resolved and approved by CDR Chairman. CDR Chairman authorizes delivery of the A level and Prime Item Development Specifications and the Computer Program Development Plan and release copy of the Computer Program Requirements Specifications, Critical Item Design (B2) Specifications and Interface Design Specifications. CDR Chairman authorizes commencement of design and code of the computer programs.
In Process Review	Completion of an IPR per Attachment J-7. Closure plans for open QIRs established within 30 days post-IDR. All Category A Action Items from IPR resolved and approved by IPR Chairman. IPR Chairman authorizes Design changes.
System Demonstration	Completion of the Aegis Tech Rep developed Test Procedures. Resolution of Test Problem Reports (TPRs) and any Category R1 CPCR's agreed with Aegis Tech Rep. Delivery of final demo test report (CDRL A032).
Flight Test Mission	Successful conduct of the Flight Test Mission per the Test Plan. Completion and submittal

	of Post-Event Data Analysis
Ground Test Campaign	Successful conduct of the Ground Test Campaign per the Test Plan. Completion and submittal of Post-Event Data Analysis. Identification and correction of critical deficiencies as directed by the Government prior to software freeze for RFR.
Certification	Signature of the last required Certification Letter by the Certifying Authority
Ship Sail Away	Completion of industrial work and return of the ship to Fleet Service
Controlled Test Vehicle (CTV) Event	Successful conduct of the Controlled Test Vehicle Event per the Test Plan. Completion and submittal of Post-Event Data Analysis
Integrated Baseline Review	Completion of the Integrated Baseline Review in accordance with the Statement Of Work and resolution of all Category A Action Items assigned by the IBR Chairman
D(V) Radar Performance Assessment	Successful conduct of the applicable Test Procedure demonstrating D(V) Radar B1-Specification performance based on the D(V) Radar Measures of Performance (MOPS). Final Test Report submitted.
MMSP Multi Mission Exercise	Completed adjudication of Test Event TORs, B1-Specification performance Documented, R1 CPCR's Resolved by: computer program corrections installed, CPCR's definable and plan of action for resolution in place, or Operational impact analysis completed and accepted. All Open R2 CPCR's documented with operational impact analysis, all required documentation on schedule for delivery per LM MS2 Development Process.
Production Readiness Review	Closure plans for open QIRs established within 60 days post-PRR. All Category A Action Items from PRR resolved and approved by PRR Chairman. Areas that will be examined during the PRR include: Manufacturing Planning, Production Schedules, Production Process and Fabrication, Quality Assurance, Reliability/Maintainability, Statistical Sampling, Non-conforming Material, Tool and Test Equipment Calibration, Complete Item Inspection and Testing, Handling, Storage, and Delivery and Risk Assessment. PRR Chairman authorizes production.
Critical Experiment (CE)	Successful conduct of the Critical Experiment in accordance with the applicable Test Procedure (CDRL A031). Final Test Report submitted (CDRL A032)
MDA Performance Assessment	Completion of risk reduction tests prior to RFR. Identification and correction of critical deficiencies as directed by the Government prior to software freeze for RFR. Completion and submittal of post-event data analysis.

Computer Program Acceptance Panel	Completed adjudication of Test Event TORs, A-Spec performance Documented, R1 CPCR's Resolved by: computer program corrections installed, CPCR's definable and plan of action for resolution in place, or Operational impact analysis completed and accepted. All Open R2 CPCR's documented with operational impact analysis, all required documentation on schedule for delivery, a successful Completion of Demo Test Phase, and the Computer Program Developed per Approved LM MS2 Development Processes.
Additional ECS "Assess To" Threat	The contractor shall deliver an "In Compliance" capability in the Aegis BMD Baseline 5.0 Weapon System against a threat as subsequently verified and validated by FTMs and/or Ground Test Campaign(s).

Definition: Category A Comment: Items or issues developed which in the opinion of the Design Review Chairman significantly impact program plans, cost, schedule, system performance or military characteristics. Resolution of Category A Action Items requires approval by the MDA/AB Technical Director.

**PERIOD 1
AWARD FEE PAYOUT**

Period	Date	Award Fee Pool	Award Fee Earned	Unearned
1	1 Oct 09 - 30 Sep 10	(b)(4)		
2	1 Oct 10 - 30 Sep 11			
3	1 Oct 11 - 30 Sep 12			
4	1 Oct 12 - 30 Sep 13			
5	1 Oct 13 - 31 Dec 14			

PERIOD 1 U.S. AWARD FEE PAYOUT			
CLIN	SLIN	ACRN	A/F Amount
			(b)(4)
0002	000201	DL	
TOTAL			
0005	000501	AD	
	000502	BU	
TOTAL			
0012	001201	BS	
TOTAL			
0018	001801	AH	
	001802	BX	
	001803	DC	
TOTAL			
0021	002101	AM	
	002102	CY	
	002103	DA	
	002104	ED	
TOTAL			
0022	002201	AN	
	002202	AP	
	002203	BZ	
	002204	CA	
	002205	CB	
	002206	CC	
	002207	CD	
	002208	CM	

**PERIOD 1
AWARD FEE PAYOUT**

	002209	CS	(b)(4)
	002212	CV	
TOTAL			
0024	002401	AW	
	002402	CH	
	002405	EV	
TOTAL			
0025	002501	AX	
	002502	AY	
	002503	AZ	
	002504	BA	
	002505	BB	
	002506	BC	
	002507	BD	
	002509	CN	
	002510	CW	
	002512	DV	
	002513	EF	
TOTAL			
0027	002701	BH	
	002702	BJ	
	002703	EB	
	002704	EQ	
TOTAL			
0103	010301	DQ	
	010302	ES	
TOTAL			
U.S. GRAND TOTAL			

**PERIOD 1
AWARD FEE PAYOUT**

Period	Date	Award Fee Pool	Award Fee Earned	Unearned
1	1 Oct 09 - 30 Sep 10	(b)(4)		
2	1 Oct 10 - 30 Sep 11			
3	1 Oct 11 - 30 Sep 12			
4	1 Oct 12 - 30 Sep 13			
5	1 Oct 13 - 31 Dec 14			

PERIOD 1 FMS AWARD FEE PAYOUT			
CLIN	SLIN	ACRN	A/F Amount
0102	010201	BK	(b)(4)
	010202	BL	
	010203	BM	
	010204	BN	
	010205	BP	
	010206	BQ	
	010207	BR	
	010209	CJ	
	010210	DE	
	010211	DF	
	010212	DG	
	010214	EG	
TOTAL			