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2. CONTRACT NO.		EFFECTIVE DATE	4. ORDER NUMBE	R	5. SOLICIT	ATION NUMBER	6, SO	ICITATION ISSUE DATE
HQ0034-09-A-3015	18-Jun-2	2009	0001					
7. FOR SOLICITATION INFORMATION CALL:	a. NAME				b. TELEPH	ONE NUMBER (No C	ollect Calls) 8. OFI	FER DUE DATE/LOCAL TIME
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25. ACCOUNTING AND APPRO	OPRIATION DATA	SEE SCHE	DULE	-		26. TOTAL A		(For Govt. Use Only) b)(4)
27a. SOLICITATION INCOF							DDENDA ARE	ARE NOT ATTACHED
28. CONTRACTOR IS REQUIRI TO ISSUING OFFICE, CON SET FORTH OR OTHERWI SUBJECT TO THE TERMS /	NTRACTOR AGREE	ES TO FURNISH BOVE AND ON A	AND DELIVER AL		OFFER D/ (BLOCK 5)	INCLUDING ANY	. YOUR OFFE	R ON SOLICITATION CHANGES WHICH ARE MS: SEE SCHEDULE
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				0,0				52 001 2907
30b. NAME AND TITLE OF SI	GNER	30c. DATE	SIGNED 31b.	NAME OF CONT	RACTING OFFI	CER (IYPE C	R FRINT)	
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FAR (48 CFR) 53.212

SOLICITATION/CONTRACT/ORDER FOR COMMERCIAL ITEMS (CONTINUED)				IMS				PAC	GE 2 OF 13	
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					CÉIVED AT					
ļ				42c. DA	TE REC'D (	YY/ <b>MM</b> /DD)	42d. TQTAL CON	TAINERS		

#### Section SF 1449 - CONTINUATION SHEET

This order is issued under and pursuant to the provisions of HQ0034-09-A-3015 (the "Agreement"). The terms and conditions of the Agreement are hereby incorporated by reference and, except as provided herein by this order, remain in full force and effect.

ITEM NO 0001	SUPPLIES/SERVICES Mission Support Services FFP PURCHASE REQUEST 1	QUANTITY	UNIT Months )34911901000E	(b)(4) WAC90072	AMOUNT (b)(4)
	ACRN AA			NET AMT	(b)(4)
ITEM NO 0002	SUPPLIES/SERVICES Surge Support T&M	QUANTITY (b)(4)	UNIT Dollars, U.S.	UNIT PRICE \$1.00	AMOUNT (b)(4)
	All overtime must be requered overtime must be requered over the second				
			TOT EST	IMATED PRICE	(b)(4)
	ACRN AA			CEILING PRICE	

					Page 4 of 13
ITEM NO 0003	SUPPLIES/SERVICES	QUANTITY	UNIT Dollars, U.S.	UNIT PRICE \$1.00	AMOUNT (b)(4)
	T&M				
	All travel must be approve	ed and coordinated	by COR. G&	A rate of $\begin{pmatrix} (b) \\ (4) \end{pmatrix}$ applies.	
	PURCHASE REQUEST	NUMBER: HQ003	349119010001	DWAC90072	
				IMATED PRICE	(b)(4)
				CEILING PRICE	
	ACRN AA				
ITEM NO 0004	SUPPLIES/SERVICES	QUANTITY	UNIT Days	UNIT PRICE (b)(4)	AMOUNT (b)(4)
	Admin Support FFP				
	The Government will prov this support, unless the par notification period. PURCHASE REQUEST 1	rties agree (on a ca	ise by case bas	sis) to a shorter	
				NET AMT	(b)(4)
	ACRN AA				
INSI	PECTION AND ACCE	PTANCE TER	MS		
Supp	plies/services will be in	spected/accepte	d at:		
CLIN 0001	INSPECT AT Destination			ACCEPT AT Destination	ACCEPT BY Government

Government

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HQ0034-09-A-3015

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0001

#### DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
0001	POP 26-JUN-2009 TO 25-JUN-2010	N/A	OSD POLICY (b)(6) OFFICE OF SECRETARY OF DEFENSE POLICY PENTAGON RM 3C852A WASHINGTON DC 20301-1155 (b)(6) FOB: Destination	HQ0152
0002	POP 26-JUN-2009 TO 25-JUN-2010	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0152
0003	POP 26-JUN-2009 TO 25-JUN-2010	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0152
0004	POP 26-JUN-2009 TO 25-JUN-2010	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HQ0152

### ACCOUNTING AND APPROPRIATION DATA

AA: 97 904<u>00.1120 P9186</u> 0407 2522 S49447 DWAC90072 AMOUNT (b)(4)

AMOUNT (b)(4) CIN HQ0034911901000DWAC900720001: (b)(4) CIN HQ0034911901000DWAC900720002: CIN HQ0034911901000DWAC900720003: CIN HQ0034911901000DWAC900720004:

CLAUSES INCORPORATED BY FULL TEXT

CONTRACTING OFFICER'S REPRESENTATIVE (COR) (MARCH 2007)

The COR is a representative for the Government with limited authority who has been designated in writing by the Contracting Officer to provide technical direction, clarification, and guidance with respect to existing specifications and statement of work (SOW)/statement of objectives (SOO) as established in the contract. The COR also monitors the progress and quality of the Contractor's performance for payment purposes. The COR shall promptly report Contractor performance discrepancies and suggested corrective actions to the Contracting Officer for resolution.

The COR is NOT authorized to take any direct or indirect actions or make any commitments that will result in changes to price, quantity, quality, schedule, place of performance, delivery or any other terms or conditions of the written contract.

The Contractor is responsible for promptly providing written notification to the Contracting Officer if it believes the COR has requested or directed any change to the existing contract (or task/delivery order). No action shall be taken by the Contractor for any proposed change to the contract until the Contracting Officer has issued a written directive or written modification to the contract (or task/delivery order). The Government will not accept and is not liable for any alleged change to the contract unless the change is included in a written contract modification or directive signed by the Contracting Officer.

If the Contracting Officer has designated an Alternate COR (ACOR), the ACOR may act only in the absence of the COR (due to such reasons as leave, official travel, or other reasons for which the COR is expected to be gone and not readily accessible for the day).

COR authority IS NOT delegable.

#### WHS A&PO WAWF INVOICING INSTRUCTIONS (Mar 2009)

To implement DFARS 252.232-7003, "Electronic Submission of Payment Requests and Receiving Reports (March 2008)", Washington Headquarters Services, Acquisition & Procurement Office (WHS A&PO) utilizes WAWF to electronically process vendor requests for payment. The web based system is located at <a href="https://wawf.eb.mil">https://wawf.eb.mil</a>, and allows government contractors and authorized Department of Defense (DOD) personnel to generate, capture, process and track invoice and acceptance documentation electronically. The contractor is required to utilize this system when submitting invoices and receiving reports under this contract. Submission of hard copy DD250/Invoice/Public Vouchers (SF1034) is no longer permitted.

The contractor shall ensure an Electronic Business Point of Contract is designated in Central Contractor Registration at <u>http://www.ccr.gov/</u> and register to use WAWF at <u>https://wawf.eb.mil</u> within ten (10) days after award of the contract or modification incorporating WAWF into the contract. Step by step

within ten (10) days after award of the contract or modification incorporating WAWF into the contract. Step by step instructions to register are available at <u>http://wawf.eb.mil</u>.

#### The contractor is directed to select from the following invoice types:

2-n-1 - if invoicing for Services Only

Combo - if invoicing for Supplies Ouly

Combo - if invoicing for a combination of Supplies and Services

Cost Voucher - if invoicing for Cost Type/Reimhursahle Contructs

**\*\***Cost Vouchers are only used when contracts/orders require invoices be sent to DCAA for approval. Graut and Cooperative Agreement Voucher – if requesting payment for a Grant or Cooperative Agreement

Back up documentation may be attached to the invoice in WAWF under the "Misc Info" tab. Fill in all applicable information under each tab.

The following required information should automatically populate in WAWF; if it does not populate, or does not populate correctly, enter the following information:

Contract Number	HQ0034-09-A-3015
Delivery Order	0001
Pay DoDAAC	HQ0339
Issue By DoDAAC	HQ0034
Admin By DoDAAC	HQ0034

Inspect By DoDAAC/Extention	HQ0152
Service Acceptor DODAAC/Extension or Ship to DODAAC/Extension or Service Approver DODAAC/Extension or Grant Approver DODAAC/Extension	HQ0152 and OSDTM4
DCAA Auditor DODAAC/Extension	
LPO DODAAC	Leave Blank

The Contractor shall verify that the DoDAACs automatically populated by the WAWF system match the above information. If these DoDAACs do not match then the contractor shall correct the field(s) and notify the contracting officer of the discrepancy (ies).

The Contractor will need to enter a Shipment (or Voucher) Number in a specific format.

- The correct format for a shipment number for MOCAS invoices is AAAXNNN where A = alpha, X = alphanumeric and N = numeric characters, followed by a "Z" suffix if it is a final invoice. (e.g. SER0001, BVN0002Z, SERA003)
- WAWF will affix the prefix "SER" for 2-in-1 invoices and prefix "BVN" for cost vouchers to the Shipment (or Voucher) Number fields. For Combo documents, the contractor may enter their own three letter prefixes.

Take special care when entering Line Item information. The Line Item tab is where yon will detail your request for payment and material/services that were provided based upon the contract. Be sure to fill in the following items exactly as they appear in the contract:

- <u>Item Number</u>: If the contract schedule has more than one ACRN listed as sub items under the applicable Contract Line Item Number (CLIN), nse the 6 character, separately identified Sub Line Item Number (SLIN) (e.g. - 0001AA) or Informational SLIN (e.g. - 000101), otherwise use the 4 character CLIN (e.g. -0001).
- Unit Price
- Unit of Measure
- ACRN: Fill-in the applicable 2 alpha character ACRN that is associated with the CLIN or SLIN.

Note - DO NOT INVOICE FOR MORE THAN IS STILL AVAILABLE UNDER ANY CLIN/SLIN/ACRN.

Before closing out of an invoice session in WAWF but after submitting your document or documents, the contractor will be prompted to send additional email notifications. Contractor shall click on "Send More Email Notification" on the page that appears. Add the following email address<sup>(b)(6)</sup>

(b)(6) in the first email address block and add any other additional email addresses desired in the following blocks. This additional notification to the government is important to ensure that all appropriate persons are aware that the invoice documents have been submitted into the WAWF system.

If yon have any questions regarding WAWF, please contact the WAWF Help Desk at 1-866-618-5988.

Exhibit/Attachment Table of Contents

DOCUMENT TYPE	DESCRIPTION	PAGES	DATE

### STATEMENT OF WORK

# Performance Work Statement: OSD Strategic Capabilities and Transformation Analysis

- 1. Task Order Title: Strategic Capabilities and Transformation Analysis
- 2. <u>Background</u>: The National Defense Authorization Act (NDAA) for FY2008 directed the next Presidential administration to conduct a Nuclear Posture Review (NPR) to review the national strategic objectives and policy This 2009 NPR is underway, with the Under Secretary of Defense for Policy as the overall lead. Additionally, concurrent negotiations are beginning for a follow-on agreement to the START treaty. Critical decisions will need to be made in the near term to support both the NPR and post-START negotiations. These decisions must be supported by timely accurate analysis. An independent analytical capability within the Office of the Secretary of Defense is required to underpin the process and to facilitate decision making.

The 2006 Quadrennial Defense Review (QDR) directed DoD enterprise reforms through a three-part vision. A significant part to this vision directed DoD to provide information and analysis necessary for senior leaders to make timely and well-reasoned decisions. A key measure of success is the extent to which DoD senior leadership is able to fulfill specific functions, to include:

Corporate Decision Making – Implement agile and well-aligned governance, management and work processes. Ensure DoD has the processes, tools and transparent analyses to support decisions.

Performance Assessment – Monitor performance to ensure strategic alignment and make adjustments to strategic direction based on performance.

Force Employment – Determine how U.S. forces are utilized and meet the day-to-day oversight needs of the joint force. While operational matters are the responsibility of joint war fighters, the Department's senior civilian and military leaders must ensure that forces are employed in ways that meet the President's strategic objectives.

21<sup>st</sup> Century security challenges require timely and well-reasoned decision-making. Independent analyses and assessments ensure challenges receive comprehensive vetting and socialization, particularly in support of changing force development, employment, and integration, and to inform policy issues related to the transformation of U.S. strategic capabilities and operational plans. The Office of the Secretary of Defense requires an independent analysis capability to underpin the process.

- 3. <u>Objective</u>: The purpose of this project is to provide OSD with an independent analytical capability to support senior leaders. Primary emphasis is on nuclear warhead stockpile requirements and capabilities, with respect to evolving strategic goals and associated treaty implications. Key considerations include the nature and number of targets to be held at risk, the infrastructure needed to maintain an effective deterrent, integration of non-nuclear strike systems with nuclear strike systems, and missile defenses with offensive capabilities.
- 4. <u>Task Description</u>: The contractor will employ community recognized modeling and simulation tools/methods in order to conduct comprehensive, full-spectrum, and mature analysis on broad complex issues, initiatives and questions. In support of policy development and compliance, the independent analysis will support development of force employment and force development policy guidance, transforming strategic capabilities in support of the 2009 Nuclear Posture Review, START Follow-On Treaty negotiations and future associated treaty negotiations, and managing an effective nuclear stockpile. The project will perform targeting, weapons employment, comparative weapons effects and force/weapon system risk analysis in order to assess current and future strategic capabilities and their effectiveness in achieving policy objectives. The analytic group will:
  - Assess the policy issues, relative merit, effectiveness, and tradeoffs of competing options for conventional global strike systems (e.g., Sea-Lauuched Global Strike Missile), nuclear weapon programs, and potential strategic force structure transformations.

- Conduct detailed analyses of plans for the employment of strategic capabilities, e.g. conventional prompt global strike and nuclear weapons, for consistency with national and DoD guidance.
- Conduct analyses of planning options, procedures and requirements to ensure effective support to senior decision makers.
- Conduct short notice, time sensitive assessments in support of senior DoD leaders during rapidly developing situations.
- In support of decision making, conduct analyses of geopolitical and technical risks associated with options proposed to senior DoD leaders.
- Conduct analyses of intelligence community products to address uncertainties related to adversary leadership characteristics, high-value targets, adversary weapon systems and tactics.
- Conduct analyses and validation of target, force, and employment databases with respect to DoD policy guidance. Specifically:
  - Assess options for non-nuclear and non-kinetic capabilities to hold specific high-value targets, including hard and deeply buried targets (HDBTs), at risk;
  - Analyze specific pre-planned options, and assess adaptive planning capabilities to employ offensive and defensive strategic forces in support of national goals;
  - Analyze trends of target databases over time (e.g., growth/decline in numbers, types of targets, hardness, etc.);
  - Conduct assessments of trends in weapon allocation and employment as emerging capabilities reach IOC or FOC and operational concepts mature;
  - Analyze damage assessment and weapon allocation for conventional and nuclear force employment;
  - Analyze consequences of execution and hazard effects modeling (e.g., fatalities, fallout, etc.) for non-nuclear and nuclear strike capabilities;
  - Analyze risk of adversary technical advances and potential adversary defensive countermeasures in limiting effectiveness of U.S. advanced conventional weapons and nuclear strikes; and
  - Assess defensive options to improve effectiveness of U.S. forces and deny advantages to adversaries.
  - Assess the impact of START Follow-On Treaty negotiations and any future associated treaty negotiations with respect to nuclear weapons stockpile management and the employment of strategic and non-strategic nuclear forces as applicable.
- Identify technical advancements of modeling capabilities needed to facilitate improved force employment analysis to better implement the New Triad (e.g., assess methodologies for estimating civilian population casualties and collateral damage in general).

- · Conduct interactive web-based modeling and simulation. Specifically,
  - Review modeling and simulation support for missile defense policy development and analysis.
  - Assist OSD/P representatives to modeling and simulation user groups.
  - Assist OSD/P representatives in technical review and quality control oversight boards.
  - Assist OSD/P in operating, and maintaining a full analytical capability, including:
    - JWICS terminal (TS/SCI level);
    - NIPRNET and SIPRNET access for each additional staff member;
    - Unclassified telephone system with voicemail
    - STE-4 communications (minimum 3 voice and 1 data (for classified fax));
    - NPES accessibility through the Joint Staff;
    - Integrated Weapons of Mass Destruction Toolset (IWMDT):
- 5. <u>Place of Performance</u>: GSA (Nuclear and Missile Defense Policy). Policy operated spaces at ((b)(7)(E)
- 6. Period of Performance See dates listed in CLIN's.
- 7. Deliverables:
  - Throughout the course of the contract, monthly reports are required for the designated government lead and will be due on a mutually agreeable schedule. Ad hoc briefings may be required to summarize the status of ongoing work or the results of quick reaction tasks. At the time these ad hoc reports are requested, the designated government lead shall specify the format and due date for the deliverables. All deliverables will be in electronic format, via email and/or hardcopy. One copy of each will be delivered to the COR and to the government task lead. Simulations conducted on modeling software will be made available for review by the government task lead upon request and be made available to other OSD directorates as required by the government task lead.
  - This contract will include establishment of analytical capabilities related to simulation of weapon effects. Supporting contractors will:
    - Develop the capability to routinely run weapon effects simulations.
    - Report on the completion of ongoing government-provided training for modelers.

- Conduct capabilities briefs for OSD directorates as required by the government task lead.
- 8. <u>Security</u>: Contractor(s) will require a Top Secret/SCI and NC2-ESI clearance and access to selected classified areas, databases and resource documents. NC2-ESI access will be processed by GSA (Nuclear and Missile Defense Policy) and granted through OSD/P security manager and the Joint Staff. In the event this security requirement changes during performance of the above-numbered order, the COTR will provide: (1) the change in writing to the contractor, (2) copy of the change to the Contracting Officer for the contract file.
- <u>Government Furnished Equipment/Government Furnished Information</u>: Contractor(s) activities shall be conducted at Government facilities (in the greater Washington, D.C. area and to be named in the award document). The Government will provide office space and access to IT computer networks with standard and modeling desktop computers and software suites.
- 10. <u>Travel</u>: Performance of duties may require travel. In that event, all travel will he at the request of the government via the COR under specific task orders issued.

## Contractor Personnel Requirements:

**Senior Analysts:** The contractor will provide an on-site core team of three (3) full-time senior analysts to provide key competencies to the SAG. Collectively, the on-site senior analysts must possess expertise and/or capabilities in the areas of:

- U.S. nuclear weapons policy and planning
- Nuclear command & control
- Nuclear targeting & operations
- Nuclear arms control policy issues & inspection activity
- Interagency experience
- NATO nuclear policy
- Nuclear and conventional weapons effects
- Integrated Weapons of Mass Destruction Toolkit (IWMDT)
- Weapons effects models including PDCALC, AEM/CTEM, HPAC
- ArcGIS, Oracle, Visual Studio 2008
- Other weapons effects models as needed (such as IMEA, HEMPTAPS, etc.)

For planning purposes only, it is anticipated that one analyst will focus on policy issues, and two will provide coverage of the technical areas listed above.

Senior Analysts are key personnel.

**IT Support:** The contractor will supply up to one (1) FTE per year of reach-back technical support in the following areas:

- Medium to complex software engineering support for modification of existing weapons effects codes, development of new codes, and other support as required.
- Server and database maintenance
- Radiological effects programming, simulation and data base manipulation
- Geographical Information Systems management
- Nuclear weapons stockpile and infrastructure expertise
- Other expertise related to nuclear weapons as may be required

Note the above areas include all the supporting IT expertise required, not necessarily one contractor support staff.

Administrative Support: In addition, the contractor will provide part-time administrative support per year in the following areas:

- managing visit requests
- handling classified and unclassified packages
- establishing and managing site security
- other administrative duties as required.

As the Government requirement for Administrative Support is sporadic, Administrative Support will he included and priced at a Daily Rate. The Government will provide the contractor \_\_3\_\_ (Contractor Fill-In) days notice prior for this support, unless the parties agree (on a case hy case basis) to a shorter notification period. It is the Contractors responsibility to ensure days worked do not exceed the Not To Exceed (NTE) amount established in the CLIN.