

ORDER FOR SUPPLIES OR SERVICES

1. CONTRACT/PURCH. ORDER/ AGREEMENT NO. DASG60-02-D-0006	2. DELIVERY ORDER/ CALL NO. 015906	3. DATE OF ORDER/ CALL (YYYYMMDD) 2006 Sep 11	4. REQ./ PURCH. REQUEST NO. N0025306MP18035	5. PRIORITY
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6. ISSUED BY US ARMY SPACE & MISSILE DEFENSE COMMAND PO BOX 1500 HUNTSVILLE AL 35807-3801	CODE W9113M	7. ADMINISTERED BY (if other than 6) DCMA SAN DIEGO 7675 DAGGET STREET SAN DIEGO CA 92111-2241	CODE S0514A	8. DELIVERY FOB <input checked="" type="checkbox"/> DESTINATION <input type="checkbox"/> OTHER (See Schedule if other)
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9. CONTRACTOR SCIENCE APPLICATIONS INTERNATIONAL CORPO 10260 CAMPUS POINT DR SAN DIEGO CA 92121-1522	CODE 52302	FACILITY	10. DELIVER TO FOB POINT BY (Date) (YYYYMMDD) SEE SCHEDULE	11. MARK IF BUSINESS IS <input type="checkbox"/> SMALL <input type="checkbox"/> SMALL DISADVANTAGED <input type="checkbox"/> WOMEN-OWNED
NAME AND ADDRESS			12. DISCOUNT TERMS	
13. MAIL INVOICES TO THE ADDRESS IN BLOCK See Item 15				

14. SHIP TO SEE SCHEDULE	CODE	15. PAYMENT WILL BE MADE BY DFAS-COLUMBUS CENTER DFAS-CO/WEST ENTITLEMENT OPERATION P.O. BOX 182381 COLUMBUS OH 43218-2381	CODE HQ0339	MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2.
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16. TYPE OF ORDER	DELIVERY/ CALL	<input checked="" type="checkbox"/>	This delivery order/call is issued on another Government agency or in accordance with and subject to terms and conditions of above numbered contract.
	PURCHASE		Reference your quote dated Furnish the following on terms specified herein. REF:

ACCEPTANCE, THE CONTRACTOR HEREBY ACCEPTS THE OFFER REPRESENTED BY THE NUMBERED PURCHASE ORDER AS IT MAY PREVIOUSLY HAVE BEEN OR IS NOW MODIFIED, SUBJECT TO ALL OF THE TERMS AND CONDITIONS SET FORTH, AND AGREES TO PERFORM THE SAME.

NAME OF CONTRACTOR	SIGNATURE	TYPED NAME AND TITLE	DATE SIGNED (YYYYMMDD)
<input checked="" type="checkbox"/> If this box is marked, supplier must sign Acceptance and return the following number of copies: 1			

17. ACCOUNTING AND APPROPRIATION DATA/ LOCAL USE
See Schedule

18. ITEM NO.	19. SCHEDULE OF SUPPLIES/ SERVICES	20. QUANTITY ORDERED/ ACCEPTED*	21. UNIT	22. UNIT PRICE	23. AMOUNT
SEE SCHEDULE					

* If quantity accepted by the Government is same as quantity ordered, indicate by X. If different, enter actual quantity accepted below quantity ordered and encircle.	24. UNITED STATES OF AMERICA	25. TOTAL \$170,398.00
	CONTRACTING / ORDERING OFFICER	26. DIFFERENCES

27a. QUANTITY IN COLUMN 20 HAS BEEN
 INSPECTED RECEIVED ACCEPTED, AND CONFORMS TO THE CONTRACT EXCEPT AS NOTED

b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE	c. DATE (YYYYMMDD)	d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE
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e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE	28. SHIP NO.	29. DO VOUCHER NO.	30. INITIALS
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f. TELEPHONE NUMBER	g. E-MAIL ADDRESS	<input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL	32. PAID BY	33. AMOUNT VERIFIED CORRECT FOR
36. I certify this account is correct and proper for payment.				34. CHECK NUMBER
a. DATE (YYYYMMDD)	b. SIGNATURE AND TITLE OF CERTIFYING OFFICER			35. BILL OF LADING NO.

37. RECEIVED AT	38. RECEIVED BY	39. DATE RECEIVED (YYYYMMDD)	40. TOTAL CONTAINERS	41. S/R ACCOUNT NO.	42. S/R VOUCHER NO.
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ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
000302	FUNDING FOR CLIN 0003 CPFF FOB: Destination				
				ESTIMATED COST	██████████
				FIXED FEE	██████████
				TOTAL EST COST + FEE	\$0.00
	ACRN AB CIN: 00000000000000000000000000000000				\$72,000.00

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
000303	FUNDING FOR CLIN 0003 CPFF FOB: Destination				
				ESTIMATED COST	██████████
				FIXED FEE	██████████
				TOTAL EST COST + FEE	\$0.00
	ACRN AC CIN: 00000000000000000000000000000000				\$65,140.00

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0004		█	█		█

CONTRACT DATA REQUIREMENTS

CPFF

Contract Data Requirement List (CDRLs), DD Form 1423, and other data and deliverables as specified in the Statement of Work set forth in Section C herein.

FOB: Destination

PURCHASE REQUEST NUMBER: N0025306MP18035

ESTIMATED COST

█

FIXED FEE

█

TOTAL EST COST + FEE

\$0.00

Section C - Descriptions and Specifications

STATEMENT OF WORK

STATEMENT OF WORK (Revised 19 Apr 2007)

“USW ANALYSIS and ASSESSMENT PRODUCT AREA CUSTOMER ADVOCATE (AA PA CA) for USW T&E RESOURCES and INDEPENDENT TEST PROGRAMS and NAVSEA 62T9 ASW RANGE PROGRAM MANAGER SUPPORT”

1.0 OVERVIEW: The USW Analysis and Assessment Product Area Customer Advocate (AA PA CA) for USW T&E Resources and Independent Test Programs and NAVSEA 62T9 ASW Range Program Manager require engineering and program support.

2.0 PLAN: The plan includes two general areas of concentration:

Engineering support to develop solutions for Surface Ship Radiated Noise Measurement (SSRNM) applications for fixed and portable operational scenarios.

Program support for technical and programmatic challenges, strategic initiatives and data calls to better AA PA CA and SEA 62T support to the fleet, program offices, stakeholders and sponsors.

Cross-references to the Warfighter Contract SOW for these two general areas of concentration include:

WAI SOW Paragraph 3.1 – GENERAL: The contractor shall provide analysis and integration, engineering, modeling and support in the following areas: design, development, testing, demonstrations and exercises, and operations and maintenance of simulation and operational systems as directed.

WAI SOW Paragraph 3.1.2 - System Modeling, Analysis, and Integration: The contractor shall provide modeling and integration of existing, emerging and conceptual DoD systems. These systems may consist of manned and unmanned air and surface vehicles (e.g., aircraft, armor and ships); cruise missiles; air and surface weapon systems; command and control systems; sensor systems; communication systems; intelligence collection, fusion, correlation and dissemination systems; automated planning systems; and space systems.

WAI SOW Paragraph 3.3.1 - Program Management: The contractor shall provide program management support for management planning, scheduling, costing, customer coordination, and technical performance for tasks related to this contract effort.

All documentation related to the following tasks will be delivered in electronic format on CD media.

3.0 SPECIFIC TASKS:

Sub-Task 1: Develop Technical and Process Solutions to Optimize SSRNM Training and OPS - This sub-task addresses the requirement for training, set-up and operational procedures for use of SSRNM. This requirement exists because infrequent operations contribute to loss of operator proficiency, and significant re-work to provide efficient support using SSRNM. This task calls for recommendations for providing realistic training “dry runs” to maintain operator proficiency. A secondary requirement is to capture all relevant data for post-event assessment during a real event. The effort will consider (but isn’t limited to) the following desired features:

Training aids for AUTEK – Methods, Procedures, and Processes
Rapid Reconstruction
Electronic operational logging of events

Live visualization of data via SIPRNET or other secure method to and from ship
Streaming LOFAR gram from shore to ship
Net-meeting or similar live collaboration shore to ship
Integrated tracking simulator

Efforts will include the following near term deliverables:

Provide demonstration of existing capability to customer
Schedule and conduct SSRNM operators/developers workshop to collect requirements
Define requirements and performance specification
Recommend solutions
Deliver a design specification for the technical approach selected

Schedule: June 2006 – June 2007

Cross-references to the Warfighter Contract SOW:

WAI SOW Paragraph 3.1.2 - System Modeling, Analysis, and Integration: The contractor shall provide modeling and integration of existing, emerging and conceptual DoD systems. These systems may consist of manned and unmanned air and surface vehicles (e.g., aircraft, armor and ships); cruise missiles; air and surface weapon systems; command and control systems; sensor systems; communication systems; intelligence collection, fusion, correlation and dissemination systems; automated planning systems; and space systems. System modeling shall provide the fidelity requisite for behavioral and functional replication of the modeled artifact;

WAI SOW Paragraph 3.1.3 - Defense System Hardware and Software Integration: The contractor shall provide defense system hardware integration of mission-critical computer resources, hardware elements, and hardware – software interfaces for existing and emerging DoD systems. The hardware systems to be integrated may be operational end products or lower level constituent elements representative of manned and unmanned air and surface vehicles (e.g., aircraft, armor and ships); cruise missiles; air and surface weapon systems; command and control systems; sensor systems; communication systems; intelligence collection, fusion, correlation and dissemination systems; automated planning systems; and space systems.

Sub-Task 2: Develop POA&M for JDEP and Joint Test Environment integration with NAVSEA USW Distributed T&E capabilities - This sub-task addresses the requirement for program support for integrating JDEP/DEP capabilities into the NUWC USW T2E2 capabilities for systems assessment and development. This task requires preparation of position papers, technical briefings, and concept development. Provide decision briefings intended to help NAVSEA/NUWC provide a seamless USW capability for joint system development and training support. Specific tasks include:

Provide support to JDEP demonstration tasking from JTAMDO.

Provide briefings and concept papers of NUWC USW T2E2 capabilities for submission to Joint Test Events.

Provide business model for supporting the full range of Test, Training, Experimentation and Evaluation events utilizing NUWC T2E2 capabilities. This should include recommended operational relationships between various NUWC resources.

Efforts will include the following deliverables:

Briefing for final JDEP submission in June 2006. Travel to DC required.
Concept paper for integrating Navy proposals into one JDEP submission.

Schedule: June 2006 – June 2007

Cross-references to the Warfighter Contract SOW:

WAI SOW Paragraph 3.3.1 - Program Management: The contractor shall provide program management support for management planning, scheduling, costing, customer coordination, and technical performance for tasks related to this contract effort.

WAI SOW Paragraph 3.3.3 - Program Documentation: The contractor shall provide multi-media presentation aids and related database, written, photographic and/or video documentation for task reviews, exercises and demonstrations as required by task sponsors. Documentation shall include correspondence and memoranda, as well as technical reports and documentation up to the Top Secret- Sensitive Compartmented Information (SCI) security classification level.

WAI SOW Paragraph 3.3.4 - Technical Interchange Review: Technical interchange reviews shall be conducted as directed by the Government. These meetings will provide for review of key milestones, performance goals and costs, including but not limited to functional demonstration, system design, demonstration plans, request for intelligence requirements, demonstration results and such other items that the Government requires.

Sub-Task 3: NUTEC EIS Support - This subtask was started under an earlier work statement where acoustic modeling was provided for the proposed EIS areas. Further follow on support is needed.

Model Document Draft review: For support on the Keyport Range Extension EIS/OEIS I would like to request SAIC provide review of and comments to the Draft document with regard to modeling. This includes defending the thresholds used, the sonar modeling approach and the use of parameterization of multiple source types vice using limited scenario descriptions for analysis. This would also include technical support in the form of briefing material for the Draft hearings and briefings. Require 58 hours of support for model document Draft review.

Meetings support: For support on the Keyport Range Extension EIS/OEIS it is required that SAIC provide technical support during meetings either in person or by phone con with the subcontractor putting the animal take or exposure numbers to the SAIC acoustic model results. The subcontractor conclusions need to make sense with regard to the model. This conversation was recommended by [REDACTED]. Additionally support is required at meetings with NAVSEA, NUWC Keyport and NUWC Newport, EFA NW and their subcontractors on this project over the course of the EIS/OEIS development and review. Require 48 hours of support for meetings.

Final Report support: For the final report support on the Keyport Range Extension EIS/OEIS it is required that SAIC provide the review of and comments to the Final report with regard to modeling documentation. The focus of final report review is the thresholds used, the sonar model methodology, parameterization and description of the relation of the marine mammal exposures with regard to the acoustic modeling. This would include responses for public/regulator/tribal comments after the Draft has gone public and during the review for the Final document which must, by law address the public/tribal/regulatory comments. This would also include explanation of the volume tables and text support to explain results. Require 88 hours of support for this review.

Cross-references to the Warfighter Contract SOW include:

WAI SOW Paragraph 3.1.1 - Modeling Tools: The contractor shall provide (define, develop, and/or acquire, maintain and /or operate and document results from) statistical, stochastic and deterministic computer analysis tools for quantitative and qualitative modeling of DoD systems. These models shall include tools for evaluation of design, operation, performance, effectiveness, manpower, logistics, supportability, manufacturability, reliability, programmatics and cost. These tools shall be used for design and evaluation tradeoffs of manned and unmanned air and surface vehicles (e.g., aircraft, armor and ships); cruise missiles; air and surface weapon systems; command and control systems; sensor systems; communication systems; intelligence fusion, correlation and dissemination

systems; automated planning systems; space systems; the subsystem components of these systems; and/or the architecture within which each of these systems resides and operates.

WAI SOW Paragraph 3.1.2 - System Modeling, Analysis, and Integration: The contractor shall provide modeling and integration of existing, emerging and conceptual DoD systems. These systems may consist of manned and unmanned air and surface vehicles (e.g., aircraft, armor and ships); cruise missiles; air and surface weapon systems; command and control systems; sensor systems; communication systems; intelligence collection, fusion, correlation and dissemination systems; automated planning systems; and space systems.

WAI SOW Paragraph 3.3.4 - Technical Interchange Review: Technical interchange reviews shall be conducted as directed by the Government. These meetings will provide for review of key milestones, performance goals and costs, including but not limited to functional demonstration, system design, demonstration plans, request for intelligence requirements, demonstration results and such other items that the Government requires.

Sub-Task 4: Dose Response Analysis for EIS: This subtask responds to CNO requirement for additional acoustic modeling for the NUTEC EIS (subtask 3). Further follow on support is needed to develop the effect of sonar on marine mammals in the Northwest Range complex.

Dose Response Analysis: Provide annual exposure estimates according to dose response, maximum SPL metric for the sources used at the NW Range Complex including and limited to current areas and proposed extensions for Keyport, Dabob Bay Range complex and Quinault Underwater Test Range sites. The contractor shall determine the behavioral impacts that NUWC Keyport operations may have on the marine mammals on the three test sites. The contractor shall provide a reputable biologists' review of marine mammal density, exposures and any other part of the analysis as is reasonable for seven sources with frequencies from 1 – 150 kHz. The result is a direct estimation of expected numbers of 'takes' when animals area/volume densities and motion estimates are applied.

Briefings Support: Contractor responsibilities include two trips. One to Prebrief on Dose Response methodology and the second is to brief the dose response results

Deliverables:

Spreadsheet analysis of Potential Impact/Risk Assessment (6/1/2007)

Appendix for incorporation into the EIS/OEIS discussing method of exposure determination 6/14/2007

Average Transmission Loss Diagram for each source for all three sites (6/14/2007)

Schedule: 20 March 2007 – 31 July 2007

Cross-references to the Warfighter Contract SOW include:

WAI SOW Paragraph 3.1.1 - Modeling Tools: The contractor shall provide (define, develop, and/or acquire, maintain and /or operate and document results from) statistical, stochastic and deterministic computer analysis tools for quantitative and qualitative modeling of DoD systems. These models shall include tools for evaluation of design, operation, performance, effectiveness, manpower, logistics, supportability, manufacturability, reliability, programmatics and cost. These tools shall be used for design and evaluation tradeoffs of manned and unmanned air and surface vehicles (e.g., aircraft, armor and ships); cruise missiles; air and surface weapon systems; command and control systems; sensor systems; communication systems; intelligence fusion, correlation and dissemination systems; automated planning systems; space systems; the subsystem components of these systems; and/or the architecture within which each of these systems resides and operates.

WAI SOW Paragraph 3.1.2 - System Modeling, Analysis, and Integration: The contractor shall provide modeling and integration of existing, emerging and conceptual DoD systems. These systems may consist of manned and

unmanned air and surface vehicles (e.g., aircraft, armor and ships); cruise missiles; air and surface weapon systems; command and control systems; sensor systems; communication systems; intelligence collection, fusion, correlation and dissemination systems; automated planning systems; and space systems.

WAI SOW Paragraph 3.3.4 - Technical Interchange Review: Technical interchange reviews shall be conducted as directed by the Government. These meetings will provide for review of key milestones, performance goals and costs, including but not limited to functional demonstration, system design, demonstration plans, request for intelligence requirements, demonstration results and such other items that the Government requires.

4.0 GOVERNMENT FURNISHED EQUIPMENT: None.

5.0 TRAVEL:

One trip to DC for five days for JDEP submission presentation.

One trip to AUTECH for five days to observe operations as third party assessor and to gather requirements for SSRNM Operations Archiving and Training Tool (SOATT) development.

6.0 SECURITY CLASSIFICATION: This work is unclassified.

7.0 DELIVERABLES:

Deliverables for all tasking associated with this proposal are as follows:

Contract Data Requirements List (CDRLs), DD Form 1423, Exhibit A,

CDRL A001, Funds and Manhour Expenditure Report;

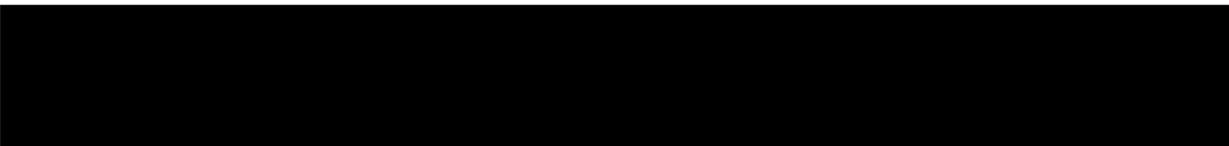
CDRL A003, Status Report;

CDRL A004, Technical and Management Work Plan;

Other deliverables as described in subtask descriptions.

8.0 PERIOD OF PERFORMANCE: Reserved

9.0 KEYPORT POINTS OF CONTACT:



Section F - Deliveries or Performance

PERIOD OF PERFORMANCE

<u>CLIN</u>	<u>PERIOD OF PERFORMANCE</u>
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0003	26 June 2006 through 17 December 2008
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0004	26 June 2006 through 17 December 2008
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DELIVERY INFORMATION:

<u>CLIN</u>	<u>DELIVERY DATE</u>	<u>QUANTITY</u>	<u>SHIP TO ADDRESS</u>
0003	17-DEC-2008	1,341 DPPH	N/A FOB: Destination
0004	17-DEC-2008	1 LOT	N/A FOB: Destination

Section G - Contract Administration Data

PRECONTRACT COSTS

Precontract costs are approved for the period 26 June 2006 through date of award. Such costs are allowable to the extent that they would have been allowable if incurred after the date of this Task Order.

ACCOUNTING AND APPROPRIATION DATA

AA: 97X4930 NH6B 000 77777 0 000253 2F 000000 2000001YP751 N0025306MP18035

AMOUNT: \$27,314.00

CIN 00000000000000000000000000000000: \$27,314.00

AB: 97X4930 NH6B 000 77777 0 000253 2F 000000 2000003VK1AF N0025306MP18035

AMOUNT: \$72,000.00

CIN 00000000000000000000000000000000: \$72,000.00

AC: 97X4930 NH6B 000 77777 0 000253 2F 000000 2000071214EI N0025307MP18044

AMOUNT: \$65,140.00

CIN 00000000000000000000000000000000: \$65,140.00

IMPLEMENTATION OF AND EXPLANATION OF THE RELATIONSHIP OF THE LIMITATION OF FUNDS (LOF) CLAUSE TO FEE OBLIGATIONS: The amount of funds estimated to be required for full performance, including fee(s); the amount of funds allotted pursuant to the Contract Clause hereof entitled, Limitations of Funds; the amount of funds currently obligated for fee; and the DPPH amounts covered by the funds allotted are set forth below. Amounts obligated for fee are separate from and are not to be commingled with the amounts allotted for costs and are not available to the contractor to cover costs in excess of those allotted to the contract for cost.

	<u>Prior Amts</u>		<u>Current</u>
	<u>Thru Mod 03</u>	<u>Mod 04</u>	<u>Balance</u>
<u>CLINs 0003 and 0004:</u>			
(1) Amt Required for Full Funding, Including Fee(s):	[REDACTED]		
(2) Amt Allotted/Obligated for Payment of Costs:	[REDACTED]		
(3) Amt Allotted/Obligated for Payment of Fee:	[REDACTED]		
(4) Total Amount Obligated:	[REDACTED]		\$ 164,454
(5) Unfunded Balance:	[REDACTED]		
(6) DPPH:	[REDACTED]		