

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE U	PAGE OF PAGES 1 3	
2. AMENDMENT/MODIFICATION NO. 21	3. EFFECTIVE DATE 19-Jan-2010	4. REQUISITION/PURCHASE REQ. NO. N/A		5. PROJECT NO. (If applicable) N/A
6. ISSUED BY NSWC, PANAMA CITY 110 Vernon Avenue Panama City FL 32407-7001 vivian.truman@navy.mil 850-230-7230	CODE N61331	7. ADMINISTERED BY (If other than Item 6) DCMA MARYLAND 217 EAST REDWOOD STREET, SUITE 1800 BALTIMORE MD 21202-5299		CODE S2101A

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) ARINC Engineering Services, LLC 2551 Riva Road Annapolis MD 21401	9A. AMENDMENT OF SOLICITATION NO.		
	9B. DATED (SEE ITEM 11)		
	10A. MODIFICATION OF CONTRACT/ORDER NO. N00178-04-D-4016-HR03		
CAGE CODE 1WAV4	FACILITY CODE 075916762	[X]	10B. DATED (SEE ITEM 13) 05-May-2006

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers 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 one (1) copy 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 ACKNOWLEDGEMENT 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.

<input type="checkbox"/>	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.
<input type="checkbox"/>	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
<input type="checkbox"/>	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, 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.)
SEE PAGE 2

15A. NAME AND TITLE OF SIGNER (Type or print) Erica Cordes, Contract Specialist		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Wanda A Cutchin, Contracting Officer	
15B. CONTRACTOR/OFFEROR /s/Erica Cordes (Signature of person authorized to sign)	15C. DATE SIGNED 20-Jan-2010	16B. UNITED STATES OF AMERICA BY /s/Wanda A Cutchin (Signature of Contracting Officer)	16C. DATE SIGNED 21-Jan-2010

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GENERAL INFORMATION

The purpose of this modification is to realign ceiling and funding from CLIN 1003 to CLIN 3003.

Accordingly, said Task Order is modified as follows:

a. Ceiling and funding in the amount of is hereby realigned from CLIN 1003 and 3003. As a result, SLINS 100315 and 100316 are reduced and realigned to SLINS 300302 and 300303:

FROM	REQ	AMOUNT
100315	93202694	
100316	93202695	

TO	REQ	AMOUNT
300302	93202694	
300303	93202695	

b. The ceiling for CLIN **1003** is reduced as follows:

	FROM	BY	TO
Estimated Cost			
Fixed Fee	_____	_____	_____
Total			

c. The ceiling for CLIN 3003 is increased as follows:

	FROM	BY	TO
Total			

d. The funded profile for CLIN 1003 is changed as follows:

	FROM	BY	TO
Estimated Cost			
Fixed Fee	_____	_____	_____
Total			

e. The funding profile for CLINS 1003 and 3003 is changed as follows:

	FROM	BY	TO
Estimated Cost			
Fixed Fee	_____	_____	_____
Total			

f. The total funding profile is changed as follows:

	FROM	BY	TO
Estimated Cost			
Fixed Fee	_____	_____	_____
Total			

g. There is no change in total funded amount. This modification reduced the overall fee amount as a result of realigning the ceiling from CLIN 1003 to CLIN 3003. CLIN 3003 remains fully funded now at

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A conformed copy of this Task Order is attached to this modification for informational purposes only.

The total amount of funds obligated to the task is hereby increased by from to

.

CLIN/SLIN	Type Of Fund	From (\$)	By (\$)	To (\$)
100315	TBD			
100316	TBD			
300302	OPN			
300303	RDT&E			

The total value of the order is hereby increased by from to .

CLIN/SLIN	From (\$)	By (\$)	To (\$)
1003			
3003			

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SECTION B SUPPLIES OR SERVICES AND PRICES

CLIN - SUPPLIES OR SERVICES

For Cost Type Items:

Item	Supplies/Services Qty	Unit	Est. Cost	Fixed Fee	CPFF

1000	Technical, Engineering and Logistics services for support of the AN/AQS-20A System Towed Bodies in accordance with the Statement of Work in Section C, and Contract Data Requirements List (CDRLS) and DD Form 254. This is the Base Year Clin and is good from contract award through one (1) year thereafter. (OPN)				
100001	ACRN: AA				
	PURCHASE REQUEST NO 61141903 (OPN)				
100002	ACRN: AB				
	PURCHASE REQUEST NO 60064727 (OPN)				
100003	ACRN: AC				
	PURCHASE REQUEST NO 63201699 (OPN)				
100004	ACRN: AD				
	PURCHASE REQUEST NO 63405915 (OPN)				
1001	Technical, Engineering and Logistics services for support of the AN/AQS-20A System Towed Bodies in accordance with the Statement of Work in Section C, and Contract Data Requirements List (CDRLS) and DD Form 254.				

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CLIN 1001 is good
from contract
award through one
(1) year
thereafter. (OPN)

100101 ACRN: AC

PURCHASE REQUEST
NO 70601123 (OPN)

100102 ACRN: AE

PURCHASE REQUEST
71946123 (OPN)

100103 ACRN: AE

PURCHASE REQUEST
72753274 (OPN)

100104 ACRN: AE

PURCHASE REQUEST
80242907 (OPN)

100105 ACRN: AE

PURCHASE REQUEST
80850385 (OPN)

100106 ACRN: AE

PURCHASE REQUEST
81153605 (OPN)

1002 Technical,
Engineering and
Logistics
services for
support of the
AN/AQS-20A System
Towed Bodies in
accordance with
the Statement of
Work in Section
C, and Contract
Data Requirements
List (CDRLS) and
DD Form 254.
CLIN 1002 is good
from contract
award through one
(1) year
thereafter. (OPN)

100201 ACRN: AE

PURCHASE REQUEST
81153609 (OPN)

100202 ACRN: AF

PURCHASE REQUEST
81153613 (OPN)

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100203 ACRN: AG

PURCHASE REQUEST
81771660 (OPN)

100204 ACRN: AH

PURCHASE REQUEST
82310362 (OPN)

1003 Technical,
Engineering and
Logistics
services for
support of the
AN/AQS-20A System
Towed Bodies in
accordance with
the Statement of
Work in Section
C, and Contract
Data Requirements
List (CDRLS) and
DD Form 254.
CLIN 1003 is good
from contract
award through one
(1) year
thereafter. (OPN)

100301 ACRN: AH

PURCHASE REQUEST
91113485 (OPN)

100302 ACRN: AF

PURCHASE REQUEST
91113489 (OPN)

100303 ACRN: AE

PURCHASE REQUEST
91205010 (OPN)

100304 ACRN: AJ

PURCHASE REQUEST
92018897 (RDT&E)

100305 ACRN: AK

PURCHASE REQUEST
93202667 (RDT&E)

100306 ACRN: AL

PURCHASE REQUEST
93202673 (RDT&E)

100307 ACRN: AM

PURCHASE REQUEST
93202675 (RDT&E)

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100308 ACRN: AF

PURCHASE REQUEST
93202677 (OPN)

100309 ACRN: AF

PURCHASE REQUEST
93202687 (OPN)

100310 ACRN: AF

PURCHASE REQUEST
93202688 (OPN)

100311 ACRN: AF

PURCHASE REQUEST
93202689 (OPN)

100312 ACRN: AF

PURCHASE REQUEST
93202691 (OPN)

100313 ACRN: AF

PURCHASE REQUEST
93202692 (OPN)

100314 ACRN: AF

PURCHASE REQUEST
93202693 (OPN)

100315 Funding moved to
SLIN 300302 (TBD)

100316 Funding moved to
SLIN 300303 (TBD)

For ODC Items:

Item	Supplies/Services	Qty	Unit Est. Cost
3000	Other direct costs required to perform the effort under CLIN 1000 include \$24,000 for material and \$60,000 for travel. These amounts should be used as the base for estimating purposes with all applicable overheads applied to these figures.		

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300001 ACRN: AB

PURCHASE REQUEST
NO 61162297 (OPN)

300002 ACRN: AC

PURCHASE REQUEST
NO 70652496 (OPN)

3001 Other direct costs required to perform the effort under CLIN 1001 include \$24,000 for material and \$60,000 for travel. These amounts should be used as the base for estimating purposes with all applicable overheads applied to these figures. (OPN)

300101 ACRN: AC
PURCHASE REQUEST
NO 71151441 (OPN)

300102 ACRN: AC
PURCHASE REQUEST
NO 71382608 (OPN)

300103 ACRN: AE
PURCHASE REQUEST
NO 71946129 (OPN)

300104 ACRN: AE
PURCHASE REQUEST
NO 73173112 (OPN)

300105 ACRN: AE
PURCHASE REQUEST
NO 80242910 (OPN)

300106 ACRN: AE
PURCHASE REQUEST
NO 81070568 (OPN)

3002 Other direct costs required to perform the effort under CLIN 1002 include \$24,000 for material and \$60,000 for travel. These amounts should be used as the base for estimating

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purposes with all applicable overheads applied to these figures. (OPN)

300201 ACRN: AE

PURCHASE REQUEST
NO 81153607 (OPN)

3003 Other direct costs required to perform the effort under CLIN 1003 include \$24,000 for material and \$60,000 for travel. These amounts should be used as the base for estimating purposes with all applicable overheads applied to these figures. (OPN)

300301 ACRN: AE

PURCHASE REQUEST
91205009 (OPN)

300302 ACRN: AF

PURCHASE REQUEST
93202694 (OPN)

300303 ACRN: AM

PURCHASE REQUEST
93202695 (RDT&E)

For Cost Type Items:

Item	Supplies/Services Qty	Unit Est. Cost	Fixed Fee	CPFF
4000	Technical, Engineering and Logistics services for support of the AN/AQS-20A System Towed Bodies in accordance with the Statement of Work in Section C, and Contract Data Requirements List (CDRLS) and DD Form 254. CLIN 4000 is good			

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from contract
award through one
(1) year
thereafter. (OPN)
Option

For ODC Items:

Item	Supplies/Services Qty	Unit Est. Cost
6000	Other direct costs required to perform the effort under CLIN 4000 include \$24,000 for material and \$60,000 for travel. These amounts should be used as the base for estimating purposes with all applicable overheads applied to these figures. (OPN) Option	

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SECTION C DESCRIPTIONS AND SPECIFICATIONS

STATEMENT OF WORK FOR AN/AQS-20A SONAR, MINE DETECTING SET SUPPORT CONTRACT

14 January 2006

1.0 SCOPE

The Naval Surface Warfare Center Panama City (NSWC PC) has overall technical direction agency (TDA) responsibility for the AN/AQS-20A Sonar, Mine Detecting Set. In preparation for the Littoral Combat Ship (LCS) deployment in FY08, the NSWC PC AN/AQS-20A team has the responsibility of ensuring the towed body meets Developmental and Operational Test requirements and is supportable aboard the LCS or shore site maintenance facility. Tasks include investigating hardware and software modification requirements, low rate – initial production (LRIP) towed body functionality verification, test and evaluation support for the MH-60S and AN/WLD-1 platforms, logistics planning development and implementation, and Post-Mission Analysis (PMA) station maintenance. Day-to-day tasks also include program management, acquisition, engineering, and logistics support for PEO (LMW) PMS495, the Mine Defense Program Office. The scope of this contract includes the efforts of the contractor to support the NSWC PC TDA duties aforementioned.

A summary of duties required in supporting the TDA program management efforts include meeting minutes, risk management support, financial management support, schedule development and maintenance, action item tracking, presentation development, and library maintenance. Test and evaluation support comprises of many man-days of labor, as test planning, test conduct, and test reporting are all critical to the success of the AN/AQS-20A Program. Daily flight briefs are prepared by the support contractor, which also supplies the aircrewmembers for operating and maintaining the system during the test periods. Test summaries are also prepared at the culmination of each flight, which are required for historical purposes. For complete life cycle support planning and supportability while deployed on the Littoral Combat Ship (LCS), NSWC PC contracts out the logistics planning and implementation of training and supportability philosophies. Logistics efforts include conducting supportability and maintainability analyses, maintaining a logistics database, developing training material, conduct of training and production of other logistics resource documentation for the AN/AQS-20A System Towed Bodies deployed on the LCS and Ashore sites. Other aspects of the supportability entail maintaining the PMA station software to the latest configuration, as modifications are required during testing and during fielding or deployment.

The Contractor shall provide non-personal technical, engineering, and logistics services as stated herein.

2.0 APPLICABLE DOCUMENT

The following documents, of the exact issue shown, form a part of this Statement of Work (SOW) to the extent specified herein. In the event of conflict between the documents referenced herein and the contents of this SOW, the contents of this SOW shall take precedence. The second tier and lower reference documents (i.e., documents referenced in the primary references) shall be for guidance only.

2.1 Military Specifications:

- a) MIL-PRF-29612 A Performance Specifications, Training Data Products
- b) MIL-T-31000A Technical Data Packages, General Specification for
- c) MIL-PRF-49506 Logistics Management Information

2.2 Military Standards:

- a) MIL-STD-961D DOD Standard Practice, Defense Specifications

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b) MIL-STD-973 Configuration Management (Guidance Only)

c) MIL-STD-1388-2B Logistics Support Analysis Record

2.3 Other Documents:

a) AN/AQS-20A Operational Requirements Document

b) ASME-Y14.100, Engineering Drawing and Related Documentation Practices

c) ASME-Y14.24, Types and Applications of Engineering Drawings

d) ASME-Y14.35M, Revision of Engineering Drawings and Associated Documents

e) ASME-14.34M, Parts Lists, Data Lists and Index Lists

f) NAVAIR INSTRUCTION 4081.1, Policy for Acquisition Logistics Support Plan (ALSP)

g) COMNAVAIRFORINST 4790.2, Naval Aviation Maintenance Program

h) MIL-HDBK-502, Acquisition Logistics

i) DoD 4160.21-M, Defense Materiel Disposition Manual

j) DoD 4160.21-M-1, Defense Demilitarization Manual

3.0 REQUIREMENTS

3.1 Program Management Support

3.1.1 Kick-Off Meeting

The Contractor shall coordinate and conduct a SOW kick-off meeting within ten working days after the award of the delivery order to review the SOW and Contract Data Requirements List (CDRL) requirements for this order. The Contractor shall submit a Gantt chart printout (hard copy) showing all milestones and the delivery dates of all CDRL submissions stated in this SOW prepared in MS Project Schedule software and a spend plan for the orders period of performance with the offerer's proposal. This data will be reviewed and updated at the kick-off meeting.

3.1.2 Program Meetings

The Contractor shall attend weekly AN/AQS-20A meetings to report on the status of ongoing tasking. Meetings will be held the first workday of the week. The Contractor shall provide verbal input at the meeting and assist NSWC PC Code A21 personnel in the development of summary meeting minutes. The summary minutes shall be ready for distribution, via e-mail, to all project members and line management by the end of the week. The minutes will include a list of major meeting dates and travel dates. This list of events shall be used to update Code A20 Organic Airborne Mine Countermeasures (OAMCM) Calendar on a weekly basis. Commensurate with this reporting, the Contractor will support Code A21 personnel in the development of AN/AQS-20A Weekly Status Reports. The weekly report will include the latest project funding status and must be ready for distribution, via e-mail, to line management by the third workday of the week. Approximately twice a week, a specially called AN/AQS-20A or OAMCM-related program meeting will be held. In the event that back-up Contractor support is required, a notice of 24 hours will be given. The contractor shall provide support to program reviews at NSWC PC, the Program Office, or Contractor Facilities. The Contractor may be required to draft meeting minutes or a trip report from the meetings. Overtime may be necessary to provide rapid turnaround of draft meeting minutes or trip reports. For these meetings, the contractor may be required to travel to the following destinations. The number of trips to each destination specified above may be varied as program requirements dictate, provided that the total estimated travel cost is not exceeded. However, under no circumstances may the contractor travel to a destination other than those specified above without the expressed written consent of the Contracting Officer.

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Washington, DC Johnstown, PA

Portsmouth, RI Norfolk, VA

Tucson, AZ Crane, IN

Owego, NY West Palm Beach, FL

Patuxent River, MD Corona, CA

Mechanicsburg, PA Tampa, FL

3.1.3 Programmatic Support

The Contractor shall technically support NSWC PC in the preparation, tracking, and upkeep of selected programmatic documentation. This will include developing, editing, formatting, and copying programmatic documents for selected program distribution. Distribution will be by e-mail, fax, local guard mail, commercial carrier, hand delivery, and posting on the AN/AQS-20A Website. Documents will include 1) Weekly Accomplishments for the AN/AQS-20A, 2) an AN/AQS-20A Team Members Communication Listing, 3) Programmatic Task Reference Tables, and 4) AN/AQS-20A Master Action Item List. In addition, the contractor shall maintain the AN/AQS-20A risk management database, Risk Radar™, making updates available for Government review upon request. Updates shall be documented in the status reports. The Contractor shall update and maintain the AN/AQS-20A Website. An audit log of all documents posted on the website shall be provided to the government for review upon request. The Contractor shall maintain the AN/AQS-20A electronic library. Program pictures, and viewgraphs, provided as Government Furnished Information (GFI), shall be incorporated into the library. Library material shall be accessible in multiple ways (e.g. search by type, date, subject, author, or keyword, etc.). The Contractor shall train AN/AQS-20A personnel in the use of the library.

3.1.4 Presentation Material Support

The Contractor shall support NSWC PC Code A21 in preparing periodic briefing materials and presentations from information provided by the GFI for (a) NSWC PC Code A20 Quarterly Task Reviews for PMS495; (b) Annual Reviews with NSWC PC Code A; and (c) periodic NSWC PC Code A Tactics Continuum reviews (approximately one per year). Development of briefing materials will be stored in the AN/AQS-20A electronic library.

3.1.5 Financial Management Support

The Contractor shall support NSWC PC in the development of inputs to support PMS495, the AMCM Program Sponsor, and required programmatic budget inputs for NSWC PC management. Support shall include assistance in documentation, maintenance, organization, and tracking of project funding documents, financial reports, Spend Plans, Project Work Plans, Task Cost Estimates, Job Order Number (JON) lists, and contract status management. Financial documentation updates will be delivered in the form of charts and diagrams on an as required basis. The Contractor shall develop a method of tracking the progress of each task that will be approved by the Program Manager and shall update the progress as required. The Government will provide input as hard copy input. The Contractor shall update milestones in the NSWC PC Project and Business Management System (PBMS Lite) and shall provide an electronic report of PBMS Lite data in the status reports as required. A non-disclosure agreement will be required for this contractor support. Deliverables shall include one color printout with an electronic copy on the AN/AQS-20A Technical Library.

3.1.6 Conference Support

The contractor shall provide conference rooms for meetings and meet-me phone lines or computer links to support phone or web-based conferences as required.

3.2 Test And Evaluation (T&E) Support

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The Contractor shall provide T&E support to NSWC PC Code A21 during AN/AQS-20A system testing phases. Support shall encompass assistance with test plan development, test documentation including Flight Briefs, Test Logs, Mission Summaries, test schedules, and assistance with the development of test reports.

3.2.1 Test and Evaluation Flights and Maintenance Support

3.2.1.1 The Contractor shall provide flight and maintenance support for the MH-53E, MH-60S, and RMS AN/AQS-20A efforts. The Contractor shall fly missions onboard the MH-53E and/or MH-60S test platforms as a Project Specialist. The Project Specialist shall hold a Secret Security Clearance, shall be qualified in accordance with the Naval Aviation Survival Training Program (NASTP), and shall obtain flight qualification in accordance with OPNAVINST 3710.7 series.

3.2.1.2 The Contractor shall function as the Console Operator, Grounding Reel Operator, Observer, or other crew positions that allow for completion of the test flight. The Contractor shall debrief the individual missions and observed system performance to Code A21 support personnel.

3.2.1.3 The contractor shall perform Operational and Intermediate Level maintenance on the towed body and support equipment in support of tests from all three platforms, sometimes simultaneously. On an emergency basis, the Contractor shall supply parts and materials necessary to support test preparation, testing and Intermediate Level Maintenance on the towed body.

3.2.1.4 The Contractor shall evaluate existing operational and testing procedures and determine improvement potential.

3.2.1.5 The Contractor shall configure and de-configure the test platform as required. Overtime may be necessary to provide rapid turnaround of the AN/AQS-20A system for the next test event. In addition, hazardous duty remuneration is allowable under the terms of program flight support. Advance Contracting Officer approval is required before any overtime can be worked.

3.2.1.6 The Contractor may require travel to locations other than NSWC PC to perform Operational and Intermediate Level maintenance on the towed body and support equipment. For these cases, the Contractor will be required to travel to support the readiness of the towed body during test or on deployment. In the event that Contractor support is required at a location other than NSWC PC, a 24-hour notice will be given.

3.2.2 Test Material Procurement

NSWC PC Code A21 will provide the primary materials to support testing; however, on an emergency basis, the Contractor shall supply parts and materials necessary to support test preparation, testing, and analyses at NSWC PC. This amount shall not exceed \$7,000.00. These supplies shall be used to 1) repair and support the system during testing (including such items as connectors, resistors, power supplies, filters, capacitors, etc.) and 2) package and ship faulty components to Depot utilizing NSA shipping unless not available. The Contractor shall maintain inventory of the test supply cabinets. The Contractor shall maintain both system and T&E support hardware inventories (i.e. labs, warehouses, and offices, etc.) and make inventories available for Government review upon request. The Contractor shall conduct an inventory audit of the laboratory test materials every 90 days and provide the Government with an Inventory Status Report by the sixth business day following the audit. The contractor is not authorized, under any circumstances, to acquire any computer hardware, peripherals, or any personal data assistants (PDAs) without the formal approval of the Contracting Officer. Supplies required per the inventory will be procured through Government channels and not by the contractor without prior Contracting Officer approval.

3.2.3 Shipment Support

The Contractor shall provide support in the preparation and shipment of assets. Towed bodies and their sub-assemblies are required at various locations, sometimes simultaneously, which necessitates the support efforts of the contractor. Shipment support shall be provided ONLY when NSWC PC shipping facilities are not available.

3.2.4 Post-Mission Analysis and MEDAL

The Contractor shall conduct mission planning using MEDAL and post-mission analysis (PMA) prior to and after

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each mission flown during the AN/AQS-20A test events. PMA will be conducted using the Government furnished PMA station and other tools as required. The contractor shall develop a database of mine images that can be searched by keywords, and/or by mine type. The Contractor shall develop training guides for basic PMA functions for different AN/AQS-20A missions. The Contractor shall maintain the mine recognition book which shows the different mines used as targets. The contractor shall conduct AN/AQS-20A type PMA and MEDAL training prior to OT.

3.3 Integrated Logistics Support (ILS)

The Contractor shall continue to conduct an Integrated Logistics Support (ILS) program that will ensure supportability, maintainability and sustainment of the AN/AQS-20A towed bodies and peculiar support equipment, during DT/OT and initial deployment on LCS and ashore sites. The ILS program should be an update and continuation of the current AN/AQS-20A logistics program to reflect changes to the baseline support system through testing and Engineering Change Proposals (ECPs). The Contractor shall participate in the AN/AQS-20A Logistics IPT, which will meet as required and as part of the Government's Acquisition Logistics Support Management Team (ALSMT) to jointly develop the logistics requirements for the AN/AQS-20A. To perform the efforts of this SOW the Contractor may be required to review classified information, such as the Operational Requirements Document (ORD) and Test and Evaluation Master Plan (TEMP).

3.3.1 Logistics Schedules

The contractor shall develop and maintain a complete logistics milestone schedule consisting of current and projected milestones for the AN/AQS-20A ILS program. The milestone schedule will be developed using the most current version of Microsoft Project and will reflect the H-60S and LCS integration scheduled events. The government will review the milestone schedule, which upon approval will become the basis for product deliveries. The contractor shall also develop and track milestones related to support, handling, and Mission Interface Removable task schedules.

3.3.2 Logistics Database

The Contractor shall continue to update and maintain the Enhanced Automated Graphical Logistics Environment (EAGLE) database for the AN/AQS-20A Towed Bodies and peculiar support equipment, such as the AN/AQS-20A test set and maintenance stands. Other LCS mission module support equipment peculiar to AN/AQS-20A will be included in the EAGLE database once the government provides the technical data. Database updates will include the logistics requirements for both the towed bodies, AN/AQS-20A test set, and other peculiar support equipment per the ILS milestone schedule or as changes occur to the system baseline through ECPs.

3.3.3 Sustain ILS Documentation

The Contractor shall update and sustain the ILS documents as listed; each document will be updated to reflect the latest system baseline configuration through testing, Engineering Change Proposals (ECPs) and the lifecycle of the document or until deemed not necessary by the government. Changes or updates shall be accomplished in accordance with the ILS milestone schedule.

- Acquisition Logistics Support Plan (AM-061 ALSP)
- Maintenance Plans, AM-061 (AN/AQS-20A), AM-067 (AN/AQS-20A Test Set) and AM-068 (Maintenance Stand Assembly).
- Interim Supply Support Plan (ISSP)
- Support Equipment Recommendation Data Sheets (SERDS)
- Diminishing Manufacturing Sources and Material Shortages (DMSMS) Plan
- Demilitarization / Disposal Plan

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3.3.4 Maintenance Planning

The contractor shall provide maintenance planning on the AN/AQS-20A Towed Bodies and peculiar support equipment to identify all preventive maintenance and corrective maintenance tasks based on repair and task analysis. The Contractor shall produce maintenance-planning data in accordance with performance specification MIL-PRF-49506. For each repairable component of the AN/AQS-20A system, maintenance data will identify the maintenance level authorized to perform preventive and corrective maintenance and all necessary system or equipment servicing and calibration requirements. Source, Maintenance and Recoverability (SM&R) codes and technical factors required for spares and repair part item selection (provisioning) will be included as part of the maintenance data. The maintenance planning data shall be imported into EAGLE.

3.3.5 Repair and Task Analysis

The Contractor shall conduct repair analysis as required on the AN/AQS-20A towed bodies deployed within the LCS mission module and AN/AQS-20A peculiar support equipment installed in the LCS mission module to the lowest repairable item, identifying the item being repaired, the level at which the item is being repaired and the associated cost. The contractor shall document the results of the repair and task analysis in the EAGLE database.

3.3.6 Supply Support

As changes to the system occur and ECPs are approved, the contractor shall continue to document parts requirements in the logistics databases and the provisioning technical documentation through the most current government approved version of Interactive Computer Aided Provisioning System, Personal Computer Version (ICAPS-PC). The contractor shall respond to supply support requests sent from NSWC PC, Navy Inventory Control Point (NAVICP-M), or the Defense Logistics Agency (DLA). The contractor shall document the data changes in the EAGLE database.

3.3.7 Technical Data

3.3.7.1 NATOPS

The Contractor shall submit redlined markups to the current MH-60S NATOPS prior to OTRR and Initial Operational Capability (IOC). Updates to the MH-60S NATOPS will be accomplished in the format previously approved by the MH-60S NATOPS Model Manager. Changes or updates shall be accomplished in accordance with the ILS milestone schedule.

3.3.7.2 Preventive Maintenance Requirements Manuals

As a result of CT/DT/OT and ECPs, the contractor shall update the O-level Preventive Maintenance Requirements Manuals (PMRM) as required. The contractor shall ensure that I-level preventive maintenance requirements are contained in the I-level Interactive Electronic Technical Manual (IETM).

3.3.7.3 Interactive Electronic Technical Manual Development

The Contractor shall continue to update and deliver the AN/AQS-20A O-Level and I-Level IETMs, chapter format in accordance with the logistics milestone schedule and the Technical Manual Contract Requirements (TMCR), dated 7 October 2002. The Contractor shall update and maintain the IETMs as changes occur during CT/DT/OT and as the result of ECPs. The Contractor shall update the IETMs to include the differences between airborne and RMS towed bodies in accordance with the current maintenance planning for deployment within the LCS mission module.

3.3.8 Training Development

Training products and instructional services shall be developed to ensure compatibility with the existing MH-60S training program. The MH-60S training program is defined as the electronic classrooms and courseware under development/developed for the Navy Fleet Replacement Squadron (FRS) and Naval Air Maintenance Training Group (NAMTRAGRU). Production and delivery of the training material will be based on the logistics milestone schedule and the MH-60S Integration schedule.

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3.3.8.1 AN/AQS-20A OT Maintenance Training Course

The Contractor shall continue development of AN/AQS-20A Maintenance Training courses as required for Avionics Technicians (AT), and Aviation Ordnanceman (AO), and Minemen (MM). The training courses will be revised as required if the government determines that other Navy rates will be performing maintenance on the AN/AQS-20A. AN/AQS-20A Maintenance courses shall include theory of operation, installation, removal, and maintenance testing of the weapons system/sensor system. Hands-on O-level maintenance training shall be conducted using an MH-60S AMCM helicopter with CSTRS, Common Console, and/or an AN/AQS-20A configured mission module for LCS with the AN/AQS-20A sensor/weapon system installed. Hands-on I-level maintenance training shall be conducted using the towed body and production type peculiar support equipment and/or an AN/AQS-20A configured mission module for LCS with the AN/AQS-20A sensor/weapon system installed. The Weapon System Integration Team (WSIT) shall determine actual course duration and number of presentations as agreed to by the government. Each AN/AQS-20A training course shall be designed for MH-60S qualified personnel, accommodate a total of 12 students in each class and be taught at a site consistent with the phase of testing (contractor facility, Patuxent River, or test site) as agreed to by the Government.

3.3.8.2 AN/AQS-20A Cadre Training

The Contractor shall develop training products and provide instructional services designed to train the initial Cadre of AN/AQS-20A Government instructors. These instructors shall train initial and transitioning MH-60S pilot, aircrew and maintenance personnel at the Navy Fleet Replacement Squadron (FRS)/Naval Air Maintenance Training Group (NAMTRAGRU). The planned approach for MH-60S OAMCM training shall use the WSIT (both Sikorsky Aircraft Corporation (SAC) and Lockheed-Martin Systems Integration (LMSI-O)), to coordinate the efforts of the of the individual OAMCM system contractors, in developing and conducting all Cadre pilot, aircrew and maintenance training. PMA-205 will manage these coordinated efforts and oversee the WSIT (both SAC and LMSI-O) with respect to all training. Cadre pilot, aircrew and O-level maintenance training will require an OAMCM configured MH-60S Helicopter and/or an AN/AQS-20A configured mission module for LCS with the AN/AQS-20A installed to supplement classroom instruction.

3.3.8.2.1 Cadre Training Development Update

The Contractor shall update the existing AN/AQS-20A Operational Testing (OT) Training courses prior to commencement of Initial Cadre Training. The Contractor shall update this OT training documentation in response to such actions as student and instructor comments, field technical reports, maintenance plan reviews, customer related comments, and all known design/procedural changes resulting from OT and ensure that documentation reflects the true configuration of the sensor system at that time. Upon completion of The Cadre Training Phase the Contractor shall update the training package to reflect changes and recommendations made during the Cadre training period.

3.3.8.2.2 AN/AQS-20A Cadre Maintenance Training

Course Update

The AN/AQS-20A Cadre individual Maintenance Training courses shall be conducted as required for Avionics Technicians (AT) and Aviation Ordnanceman (AO) and Minemen (MM). The training courses will be revised as required if the government determines that other Navy rates will be performing maintenance on the AN/AQS-20A. Maintenance courses shall include theory of operation, installation, removal, and maintenance testing of the weapons system/sensor system. Hands-on maintenance training shall be conducted using OAMCM configured MH-60S helicopters and/or an AN/AQS-20A configured mission module for LCS with the AN/AQS-20A system installed. Actual course duration and number of presentations shall be determined in an analysis conducted by the WSIT and as agreed to by the Government. Each course shall be designed for MH-60S qualified instructor personnel, accommodate a total of 12 students in each class and be taught at a site consistent with the post OT phase (at a site TBA) as agreed to by the Government

3.3.8.2.3 AN/AQS-20A Cadre Pilot Familiarization Course Update

The AN/AQS-20A Cadre Pilot Familiarization course shall include general and specific system descriptions, principles of operation, tactics, standard operating procedures, and emergency procedures for the weapons/sensor system. AN/AQS-20A Cadre Pilot Familiarization ground training shall be conducted to prepare MH-60S trained pilots to

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operate the MH-60S helicopter with CSTRS, Common Console the AN/AQS-20A system installed. Actual course duration and number of presentations shall be determined in an analysis conducted by the WSIT and as agreed to by the Government. The Cadre Pilot Familiarization course shall be designed for MH-60S qualified instructor personnel, accommodate a total of 12 students in each class and be taught at a site consistent with the post OT phase (at a site TBA) as agreed to by the Government.

3.3.8.2.4 AN/AQS-20A Cadre Aircrewman Training Course Update

The AN/AQS-20A Cadre Aircrewman Training course shall include general and specific system descriptions, principles of operation, tactics, standard operating procedures, and emergency procedures for the weapons/sensor system. AN/AQS-20A Cadre Aircrewman training shall prepare MH-60S trained Aircrewman to conduct Aircrewman duties in the MH-60S helicopter with CSTRS, Common Console, and the AN/AQS-20A system installed. The actual course duration and number of presentations shall be determined by the analysis conducted by the WSIT and as agreed to by the Government. The AN/AQS-20A Cadre Aircrewman Training course shall be designed for MH-60S qualified instructor personnel, accommodate a total of 12 students in each class and be taught at a site consistent with the post OT phase (at a site TBA) as agreed to by the Government.

3.3.9 Training Management

The Contractor shall designate a Training Manager who shall coordinate the development and integration of courseware and scheduling of instructional services with the designated WSIT Training Managers. The Training Manager shall participate in the PMA-205 MH-60S Training IPT as an extended member.

3.3.10 Training Course Materials

Training Course materials shall be developed using a building block approach to support OT, and CADRE pilot, operator and maintenance training for the courses identified in section 3.7 of this SOW and shall be delivered in paper and digital format in accordance with the logistics milestone schedule and the MH-60S Integration schedule. Maintenance training material text shall be authored using contractor format as approved by PMA-205 MH-60S OAMCM APM (TS). Maintenance training graphics shall be IT-21 compliant and be suitable for export to commercially available Computer Based Training (CBT) authoring packages. Maintenance training material shall be prepared IAW the current revision of the "NAMTRAGRU Training Specification Manual 1540 (Series)" and the "NAMTRAGRU Computer Based Training Conventions and Standards (Series)" for courseware development. Guidance documentation can be downloaded from the following web page:

<https://ndman.netc.cnet.navy.mil/docushare/dsweb/View/Collection-4005> Training Course Materials shall consist of:

- Curriculum Outline
- Trainee Guides, including Diagram Sheets and color photos, as appropriate.
- Cadre Training Lesson Plans

3.3.11 Training Conduct

The Contractor shall provide the appropriate number of instructors to conduct OT and initial Cadre training courses. Each AN/AQS-20A Training course shall accommodate a total of 12 students in each class and be taught at a site consistent with the phase of testing (contractor facility, Patuxent River, or test site) as agreed to by the Government. The Contractor shall provide Trainee Critique sheets after each training event.

3.3.12 Training In-Process Reviews

In-Process Reviews (IPRs) shall be scheduled to assess progress of training product completion. IPR agendas shall be submitted. Contractor shall provide IPR minutes that shall serve as official Government guidance for training content and documentation style.

3.3.13 ILS Meetings

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The Contractor shall attend and take minutes for quarterly Diminishing Manufacturing Resources (DMS) Working Group meetings, Performance Based Logistics (PBL) meetings, Training Systems Working Group (TSWG) meetings and other related ILS meetings, approximately one per week, as required. The Contractor shall document and deliver the minutes of the meetings, assigned action items, and attendees.

3.4 Post Mission Analysis (PMA) Station Supportability

The responsibility to maintain and upgrade the PMA software and hardware through ECPs and P3I efforts is a key task that NSWC provides to the customer. The AN/AQS-20A PMA software is used to replay the sonar and electro-optic identification (EOID) data that is recorded during AN/AQS-20A missions. There are 4 primary modes of operation on the AN/AQS-20A and those modes utilize 4 sonars and one EOID system. The PMA software displays these modes and allows the PMA operator the ability to view CAD/CAC detection marks on minelike objects generated by the AN/AQS-20A. The PMA operator can also make detection marks on minelike objects as well as delete any CAD/CAC detection marks. Sonar and EOID snippets are generated by the AN/AQS-20A and these snippets can be viewed on the PMA software. After viewing a mission, the PMA software generates a minelike contact list (consisting of latitudes and longitudes and depths) that is exportable to other software programs for further analysis. The PMA software has been transitioned from a Silicon Graphics workstation to run on a personal computer under the Windows 2000 operating system. The contractor shall provide computer programming and software engineering support for the PMA software as defined below.

3.4.1 PMA Station Support Areas

The Contractor shall provide software expertise and support in the following areas:

- a) Design and code changes and fixes to the PMA software. This will include tracking down bugs, fulfilling new requirements, designing solutions, implementing solutions and documenting the solution as well as the portion of code that was worked on. Most of the software is written in Ada utilizing Object oriented methodologies, the ActiveX controls are written in Visual C++ 6.0.
- b) Serve as a source of expert knowledge on OpenGL
- c) Serve as a source of expert knowledge regarding Win32 calls and work with the Win32 environment.
- d) Provide the capability to independently read the code, track down bugs, and develop solutions.
- e) Provide the capability to independently track down memory leaks and optimize memory usage of the PMA software.
- f) Technically support exploration of the possibility of implementing a database storage structure for the mission data instead of the current method of storing all data in memory.

3.5 Status Reports

The Contractor shall deliver a monthly status report that identifies work accomplished, percent completion, funds expended, hours expended, problem areas, recommendations, and work planned for the next period. The status report shall also include a detail listing of all material purchases, including the specific cost of each item procured.

4.0 GOVERNMENT FURNISHED PROPERTY

4.1 Government Furnished Information (GFI)

NSWC PC will provide relevant program management documentation as that information becomes available. The Contractor shall return all GFI to NSWC PC Code A21 within 10 days upon completion of the delivery order. The following additional GFI will be provided to the Contractor during the course of this effort:

- AN/AQS-20A ECP Technical Data Packages (TDP)
- LCS Mission Module PSE Technical Data Package

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- Vendor Technical Manuals for PSE
- Technical Manual Contract Requirements (TMCR) Number A15-0501
- Enhanced Automated Graphical Logistics Environment (EAGLE) database
- Federal Logistics (FEDLOG) data on CDROM

4.2 Government Furnished Equipment (GFE)

4.2.1 For IETM validation and verification:

- a) A fully configured AN/AQS-20A towed body
- b) Towed body maintenance stands
- c) AN/AQS-20A Test Set
- d) Peculiar support equipment
- e) AMCM-configured MH-60S helicopter

AN/AQS-20A Mission Module

4.2.2 For PMA Station Support:

- a) Dual processor (AMD, 2400)
- b) Hard drive 60 gigabytes or greater
- c) Memory, 1.5 gigabytes or greater
- d) Nvidia GeForce 4 video card with 128 megabyte of video memory
- e) DVD R/W
- f) Network interface card
- g) Windows 2000 operating system
- h) Monitor with 1600 x 1200 resolution
- i) Compiler is Aonix ObjectAda. NSWC-PC uses version 7.2.2 Enterprise edition
- j) A license for the compiler is also required. See www.aonix.com for more details.

Serial numbers and approximate value of all GFE must be provided by the Government prior to transfer to contractor facilities. All computer equipment and software used for this effort shall be delivered to the Government at the completion of the period of performance.

4.3 Access to Government Facilities

The Contractor will have daily access to government furnished equipment and information in building 110 and in the AN/AQS-20A laboratory located in Building 319. Access to the laboratory will be required for the development of

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training products and development and validation of the technical manuals. A desktop computer with Internet access will be provided to personnel working in the AN/AQS-20A lab in support of operational testing. Access to classified files shall be coordinated at least 24 hours in advance.

5.0 DELIVERABLES

All data deliverables shall be submitted in accordance with the attached CDRL DD Form 1423.

6.0 PERIOD OF PERFORMANCE

This will be a 5 year effort. The base year will be from issuance of the task order through twelve (12) months after award. There will be four (4) award term periods.

7.0 SECURITY

The highest security classification for work under this delivery order is SECRET. Provisions of the attached DD Form 254 apply. Access to CONFIDENTIAL or SECRET documents and discussions will be required for the performance of this task. CONFIDENTIAL or SECRET documents will not be generated or delivered under this task order. All data or documentation supplied to the Contractor by the Government or generated under this task order shall be protected as sensitive information as defined under Public Law 100-235-Jan. 8, 1988. Paragraphs 8.0 and 9.0 also apply to the protection of sensitive information regardless of the media on which it is stored.

Minimum Protection Requirements for Controlled Unclassified Information: Security classification guides (OPNAVINST 5513 series) and unclassified limited documents (e.g., FOUO, Distribution Statement Controlled) are not authorized for public release and, therefore, cannot be posted on a publicly accessible webserver or transmitted over the Internet unless appropriately encrypted.

8.0 DISTRIBUTION LIMITATION STATEMENTS

Technical Documents generated under this contract shall carry the following Distribution Limitation Statements. Word-processing/CAD files shall have the statements included in the file such that the first page of any resultant hard copy shall display the statements. For drawings, the statements shall be as near to the title block as possible without obscuring any detail of the drawing. Additionally, each diskette delivered shall be marked externally with the statements.

DISTRIBUTION AUTHORIZED TO U.S. GOVERNMENT AGENCIES ONLY;

ADMINISTRATIVE/OPERATIONAL USE (CONTRACTOR INSERT DATE STATEMENT APPLIED). OTHER REQUESTS FOR THIS DOCUMENT SHALL BE REFERRED TO: COMMANDING OFFICER, NAVAL WARFARE CENTER PANAMA CITY, ATTN: CODE A21, 110 VERNON AVENUE, PANAMA CITY, FL 32407-7001.

DESTRUCTION NOTICE - FOR CLASSIFIED DOCUMENTS, FOLLOW PROCEDURES IN DOD 5220.22-M, NATIONAL INDUSTRIAL SECURITY PROGRAM OPERATING MANUAL, CHAPTER 5, SECTION 7 OR DOD 5200.1-R, INFORMATION SECURITY PROGRAM REGULATION. FOR UNCLASSIFIED, LIMITED DOCUMENTS, DESTROY BY ANY METHOD THAT WILL PREVENT DISCLOSURE OF CONTENTS OR RECONSTRUCTION OF THE DOCUMENT.

9.0 RELEASE OF INFORMATION

All technical data provided to or developed by the Contractor shall be protected from public disclosure in accordance with the markings thereon. All other information relating the items to be delivered or services to be performed under this contract shall not be disclosed by any means without prior written approval of the authorized representative of the Contracting Officer. Dissemination or public disclosure includes, but is not limited to, permitting access to such information by foreign nationals or such other persons or entities; publication of scientific or technical papers, advertising or any other proposed public release. The Contractor shall provide adequate protection to such information so as to preclude access by any person or entity not authorized such access by the Government.

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10.0 PERFORMANCE BASED REQUIREMENTS

This requirement is performance based. The incentive for superior performance is contained in the order (award term provisions). The Government Technical POC will report the quality of performance to the PCO not later than 45 days prior to the completion of each performance period (base or option) during the order or sooner if required to correct less than satisfactory performance.

ACRONYMS GLOSSARY

ALSMT Acquisition Logistics Support Management Team

AO Aviation Ordnanceman

AT Avionics Technicians

CDRL Contract Data Requirements List

CT Contrator Testing

DLA Defense Logistics Agency

DT Developmental Testing

DMS Diminishing Manufacturing Resources

DMSMS Diminishing Manufacturing Sources and Material Shortages

EAGLE Enhanced Automated Graphical Logistics Environment

ECPs Engineering Change Proposals

EOID Electro-optic Identification

FEDLOG Federal Logistics

FRS Fleet Replacement Squadron

GFE Government Furnished Equipment

GFI Government Furnished Information

ICAPS Interactive Computer Aided Provisioning System, Personal
Computer Version

IETM Interactive Electronic Technical Manual

ILS Integrated Logistics Support

IOC Initial Operational Capability

IPR In-Process Reviews

ISSP Interim Supply Support Plan

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JON Job Order Number

LCS Littoral Combat Ship

LRIP Low Rate – Initial Production

MM Minemen

NAMTRAGRU Naval Air Maintenance Training Group

NASTP Naval Aviation Survival Training Program

NAVICP Navy Inventory Control Point

NSWC PC Naval Surface Warfare Center Panama City

OAMCM Organic Airborne Mine Countermeasures

OPNAVINST Operational Navy Instruction

ORD Operational Requirements Document

OT Operational Testing

PBL Performance Based Logistics

PBMS-Lite Project and Business Management System

PDA Personal Data Assistant

PMA Post-Mission Analysis

PMRM Preventive Maintenance Requirements Manuals

SERDS Support Equipment Recommendation Data Sheets

DM&R Source, Maintenance and Recoverability

SOW Statement of Work

TDA Technical Direction Agency

TDP Technical Data Packages

TEMP Test and Evaluation Master Plan

TMCR Technical Manual Contract Requirements

TSWG Training Systems Working Group

WSIT Weapon System Integration Team

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SECTION D PACKAGING AND MARKING

The clauses in Section D of the Basic MAC document apply.

Place of Delivery:

All hardware shall be delivered to:

NAVAL SUPPORT ACTIVITY PANAMA CITY

ATTN: RECEIVING OFFICER

100 VERNON AVENUE

PANAMA CITY BEACH FL 32407-7018

FOB: DESTINATION

Technical data to be submitted in accordance with the DD Form(s) 1423-2.

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SECTION E INSPECTION AND ACCEPTANCE

Inspection and Acceptance of deliverables will be by Government personnel at te Naval Surface Warfare Center Panama City, Florida.

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SECTION F DELIVERABLES OR PERFORMANCE

Deliveries shall be FOB Destination Panama City Beach Florida. The initial period of performance shall be from award through one year thereafter, with four renewable award term years of 12 months each that can be earned by satisfactory or better performance.

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SECTION G CONTRACT ADMINISTRATION DATA

Contract Specialist
Vivian M. Truman, XPS1
110 Vernon Ave.
Panama City, FL 32407
Vivian.Truman@navy.mil
850-230-7230

TASK ORDER MANAGER
Jason Sabatino, A21
110 Vernon Avenue
Panama City, FL 32407
jason.sabatino@navy.mil
850-235-5706

Accounting Data

SLINID	PR Number	Amount
100001	61141903	
LLA :		
AA 97X4930 NH1E 000 77777 0 000178 2F 000000 31A2A0606113		
100002	60064727	
LLA :		
AB 1761810 73S0 253 SASLM 0 068342 2D 000000 S00740000000		
Standard Number: N0002406WX30427 ACRN: AA		
300001	61162297	
LLA :		
AB 1761810 73S0 253 SASLM 0 068342 2D 000000 S00740000000		
Standard Number: N0002406WX30427 ACRN: AA		

BASE Funding Cumulative Funding

MOD 02

100003	63201699
LLA :	
AC 97X4930 NH1E 000 77777 0 000178 2F 000000 31A2A0704402	

MOD 02 Funding Cumulative Funding

MOD 03

100004	63405915
LLA :	
AD 97X4930 NH1E 000 77777 000178 2F 000000 31A2A0606112	

MOD 03 Funding Cumulative Funding

MOD 04

300002	70652496
LLA :	

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AC 97X4930 NH1E 000 77777 0 000178 2F 000000 31A2A0704402

MOD 04 Funding
Cumulative Funding

MOD 05

100101 70601123
LLA :
AC 97X4930 NH1E 000 77777 0 000178 2F 000000 31A2A0704402

MOD 05 Funding
Cumulative Funding

MOD 06

300101 71151441
LLA :
AC 97X4930 NH1E 000 77777 0 000178 2F 000000 31A2A0704402

300102 71382608
LLA :
AC 97X4930 NH1E 000 77777 0 000178 2F 000000 31A2A0704402

MOD 06 Funding
Cumulative Funding

MOD 07

100101 70601123
LLA :
AC 97X4930 NH1E 000 77777 0 000178 2F 000000 31A2A0704402

MOD 07 Funding
Cumulative Funding

MOD 08

100102 71946123
LLA :
AE 1771810 73S0 253 SASLM 0 068342 2D 000000 S00740000000
Standard Number: N0002407WX30300 ACRN: AA

300103 71946129
LLA :
AE 1771810 73S0 253 SASLM 0 068342 2D 000000 S00740000000
Standard Number: N0002407WX30300 ACRN: AA

MOD 08 Funding
Cumulative Funding

MOD 10

100103 72753274
LLA :
AE 1771810 73S0 253 SASLM 0 068342 2D 000000 S00740000000
Standard Number: N0002407WX30300 ACRN: AA

MOD 10 Funding
Cumulative Funding

MOD 11

300104 73173112
LLA :
AE 1771810 73S0 253 SASLM 0 068342 2D 000000 S00740000000
Standard Number: N0002407WX30300 ACRN: AA

MOD 11 Funding
Cumulative Funding

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MOD 12

100104 80242907

LLA :

AE 1771810 73S0 253 SASLM 0 068342 2D 000000 S00740000000
FOR FUNDING DOCUMENTATION PURPOSES ONLY; THE DIRECT CITE DOCUMENT NUMBER AND
ASSOCIATED ACRN ARE N0002407WX30300 ACRN:AA. THE LLA ACRN REMAINS AS AE FOR THIS
SUBCLIN (SEE ABOVE)

300105 80242910

LLA :

AE 1771810 73S0 253 SASLM 0 068342 2D 000000 S00740000000
FOR FUNDING DOCUMENTATION PURPOSES ONLY; THE DIRECT CITE DOCUMENT NUMBER AND
ASSOCIATED ACRN ARE N0002407WX30300 ACRN:AA. THE LLA ACRN REMAINS AS AE FOR THIS
SUBCLIN (SEE ABOVE)

MOD 12 Funding
Cumulative Funding

MOD 14

100105 80850385

LLA :

AE 1771810 73S0 253 SASLM 0 068342 2D 000000 S00740000000

300106 81070568

LLA :

AE 1771810 73S0 253 SASLM 0 068342 2D 000000 S00740000000
FOR FUNDING DOCUMENTATION PURPOSES ONLY; THE DIRECT CITE DOCUMENT NUMBER AND
ASSOCIATED ACRN ARE N0002407WX30300 ACRN:AA. THE LLA ACRN REMAINS AS AE FOR THIS
SLIN (SEE ABOVE)

MOD 14 Funding
Cumulative Funding

MOD 15

100106 81153605

LLA :

AE 1771810 73S0 253 SASLM 0 068342 2D 000000 S00740000000
FOR FUNDING DOCUMENTATION PURPOSES ONLY; THE DIRECT CITE DOCUMENT NUMBER AND
ASSOCIATED ACRN ARE N0002407WX30300 ACRN:AA. THE LLA ACRN REMAINS AS AE FOR THIS
SUBCLIN (SEE ABOVE)

100201 81153609

LLA :

AE 1771810 73S0 253 SASLM 0 068342 2D 000000 S00740000000
FOR FUNDING DOCUMENTATION PURPOSES ONLY; THE DIRECT CITE DOCUMENT NUMBER AND
ASSOCIATED ACRN ARE N0002407WX30300 ACRN:AA. THE LLA ACRN REMAINS AS AE FOR THIS
SUBCLIN (SEE ABOVE)

100202 81153613

LLA :

AF 1781810 73S0 253 SASLM 0 068342 2D 000000 S00740000000
FOR FUNDING DOCUMENTATION PURPOSES ONLY; THE DIRECT CITE DOCUMENT NUMBER AND
ASSOCIATED ACRN ARE N0002408WX30624 ACRN:AA. THE LLA ACRN REMAINS AS AE FOR THIS
SUBCLIN (SEE ABOVE)

300201 81153607

LLA :

AE 1771810 73S0 253 SASLM 0 068342 2D 000000 S00740000000
FOR FUNDING DOCUMENTATION PURPOSES ONLY; THE DIRECT CITE DOCUMENT NUMBER AND
ASSOCIATED ACRN ARE N0002407WX30300 ACRN:AA. THE LLA ACRN REMAINS AS AE FOR THIS
SUBCLIN (SEE ABOVE)

MOD 15 Funding
Cumulative Funding

MOD 16

100203 81771660

LLA :

AG 97X4930 NH1D 000 77777 0 061331 2F 000000 31A1R0801101

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MOD 16 Funding
Cumulative Funding

MOD 17

100204 82310362

LLA :

AH 1771810 11LM 253 SASLM 0 068342 2D 000000 LM8300000000
FOR FUNDING DOCUMENTATION PURPOSES ONLY; THE DIRECT CITE DOCUMENT NUMBER AND
ASSOCIATED ACRN ARE N0002407WX31023 ACRN:AA. THE LLA ACRN REMAINS AS AH FOR THIS
SUBCLIN (SEE ABOVE)

MOD 17 Funding
Cumulative Funding

MOD 18

100301 91113485

LLA :

AH 1771810 11LM 253 SASLM 0 068342 2D 000000 LM8300000000
FOR FUNDING DOCUMENTATION PURPOSES ONLY; THE DIRECT CITE DOCUMENT NUMBER AND
ASSOCIATED ACRN ARE N0002407WX31023 ACRN:AA. THE LLA ACRN REMAINS AS AH FOR THIS
SUBCLIN (SEE ABOVE)

100302 91113489

LLA :

AF 1781810 73S0 253 SASLM 0 068342 2D 000000 S00740000000
FOR FUNDING DOCUMENTATION PURPOSES ONLY; THE DIRECT CITE DOCUMENT NUMBER AND
ASSOCIATED ACRN ARE N0002408WX30624 ACRN:AA. THE LLA ACRN REMAINS AS AF FOR THIS
SUBCLIN (SEE ABOVE)

100303 91205010

LLA :

AE 1771810 73S0 253 SASLM 0 068342 2D 000000 S00740000000
FOR FUNDING DOCUMENTATION PURPOSES ONLY; THE DIRECT CITE DOCUMENT NUMBER AND
ASSOCIATED ACRN ARE N0002407WX30300 ACRN:AA. THE LLA ACRN REMAINS AS AE FOR THIS
SUBCLIN (SEE ABOVE)

300301 91205009

LLA :

AE 1771810 73S0 253 SASLM 0 068342 2D 000000 S00740000000
FOR FUNDING DOCUMENTATION PURPOSES ONLY; THE DIRECT CITE DOCUMENT NUMBER AND
ASSOCIATED ACRN ARE N0002407WX30300 ACRN:AA. THE LLA ACRN REMAINS AS AE FOR THIS
SUBCLIN (SEE ABOVE)

MOD 18 Funding
Cumulative Funding

MOD 19

100304 92018897

LLA :

AJ 97X4930 NH1D 000 77777 0 061331 2F 000000 31A2A0900515

MOD 19 Funding
Cumulative Funding

MOD 20

100305 93022667

LLA :

AK 97X4930 NH1D 000 77777 0 061331 2F 000000 31A2A1001100

100306 93022673

LLA :

AL 97X4930 NH1D 000 77777 0 061331 2F 000000 31A2A1002100

100307 93022675

LLA :

AM 97X4930 NH1D 000 77777 0 061331 2F 000000 31A2A1003117

100308 93202677

CONTRACT NO.	DELIVERY ORDER NO.	AMENDMENT/MODIFICATION NO.	PAGE	FINAL
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LLA :
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FOR FUNDING DOCUMENTATION PURPOSES ONLY; THE DIRECT CITE DOCUMENT NUMBER AND
ASSOCIATED ACRN ARE N0002408WX30624 ACRN:AA. THE LLA ACRN REMAINS AS AF FOR THIS
SUBCLIN (SEE ABOVE)

100309 93022687
LLA :
AF 1781810 73S0 253 SASLM 0 068342 2D 000000 S00740000000
FOR FUNDING DOCUMENTATION PURPOSES ONLY; THE DIRECT CITE DOCUMENT NUMBER AND
ASSOCIATED ACRN ARE N0002408WX30624 ACRN:AA. THE LLA ACRN REMAINS AS AF FOR THIS
SUBCLIN (SEE ABOVE)

100310 93022688
LLA :
AF 1781810 73S0 253 SASLM 0 068342 2D 000000 S00740000000
FOR FUNDING DOCUMENTATION PURPOSES ONLY; THE DIRECT CITE DOCUMENT NUMBER AND
ASSOCIATED ACRN ARE N0002408WX30624 ACRN:AA. THE LLA ACRN REMAINS AS AF FOR THIS
SUBCLIN (SEE ABOVE)

100311 93022689
LLA :
AF 1781810 73S0 253 SASLM 0 068342 2D 000000 S00740000000
FOR FUNDING DOCUMENTATION PURPOSES ONLY; THE DIRECT CITE DOCUMENT NUMBER AND
ASSOCIATED ACRN ARE N0002408WX30624 ACRN:AA. THE LLA ACRN REMAINS AS AF FOR THIS
SUBCLIN (SEE ABOVE)

100312 93022691
LLA :
AF 1781810 73S0 253 SASLM 0 068342 2D 000000 S00740000000
FOR FUNDING DOCUMENTATION PURPOSES ONLY; THE DIRECT CITE DOCUMENT NUMBER AND
ASSOCIATED ACRN ARE N0002408WX30624 ACRN:AA. THE LLA ACRN REMAINS AS AF FOR THIS
SUBCLIN (SEE ABOVE)

100313 93022692
LLA :
AF 1781810 73S0 253 SASLM 0 068342 2D 000000 S00740000000
FOR FUNDING DOCUMENTATION PURPOSES ONLY; THE DIRECT CITE DOCUMENT NUMBER AND
ASSOCIATED ACRN ARE N0002408WX30624 ACRN:AA. THE LLA ACRN REMAINS AS AF FOR THIS
SUBCLIN (SEE ABOVE)

100314 93022693
LLA :
AF 1781810 73S0 253 SASLM 0 068342 2D 000000 S00740000000
FOR FUNDING DOCUMENTATION PURPOSES ONLY; THE DIRECT CITE DOCUMENT NUMBER AND
ASSOCIATED ACRN ARE N0002408WX30624 ACRN:AA. THE LLA ACRN REMAINS AS AF FOR THIS
SUBCLIN (SEE ABOVE)

100315 93022694
LLA :
AF 1781810 73S0 253 SASLM 0 068342 2D 000000 S00740000000
FOR FUNDING DOCUMENTATION PURPOSES ONLY; THE DIRECT CITE DOCUMENT NUMBER AND
ASSOCIATED ACRN ARE N0002408WX30624 ACRN:AA. THE LLA ACRN REMAINS AS AF FOR THIS
SUBCLIN (SEE ABOVE)

100316 93022695
LLA :
AM 97X4930 NH1D 000 77777 0 061331 2F 000000 31A2A1003117

MOD 20 Funding
Cumulative Funding

MOD 21

100315 93022694
LLA :
AF 1781810 73S0 253 SASLM 0 068342 2D 000000 S00740000000
FOR FUNDING DOCUMENTATION PURPOSES ONLY; THE DIRECT CITE DOCUMENT NUMBER AND
ASSOCIATED ACRN ARE N0002408WX30624 ACRN:AA. THE LLA ACRN REMAINS AS AF FOR THIS
SUBCLIN (SEE ABOVE)

100316 93022695
LLA :
AM 97X4930 NH1D 000 77777 0 061331 2F 000000 31A2A1003117

300302

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LLA :

AF 1781810 73S0 253 SASLM 0 068342 2D 000000 S00740000000
FOR FUNDING DOCUMENTATION PURPOSES ONLY; THE DIRECT CITE DOCUMENT NUMBER AND
ASSOCIATED ACRN ARE N0002408WX30624 ACRN:AA. THE LLA ACRN REMAINS AS AF FOR THIS
SUBCLIN (SEE ABOVE)

300303 93202695

LLA :

AM 97X4930 NH1D 000 77777 0 061331 2F 000000 31A2A1003117

MOD 21 Funding
Cumulative Funding

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SECTION H SPECIAL CONTRACT REQUIREMENTS

Clause HQ C-2-0037 titled "Organizational Conflict of Interest" (NAVSEA)(JUL 2000) found in the basic MAC Document is invoked for this Task Order.

Clause 52.222-2 titled "Payment for Overtime Premiums" (JUL 1990) is invoked for this Task Order.

SUBCONTRACTING PLAN

If the offeror is a large business, a Subcontracting Plan in accordance with FAR 52.219-9 must be submitted with the offer.

CONTRACT SECURITY CLASSIFICATION SPECIFICATION

The offeror shall complete block 6 of the attached DD254 (and block 8 if applicable), and furnish a completed copy with its offer.

Applicable Section H Special Contract Requirements are specified in the basic MAC document.

NAVSEA 5252.216-9122 -- LEVEL OF EFFORT (DEC 2000)

(a) The Contractor agrees to provide the total level of effort specified in the next sentence in performance of the work described in Sections B and C of this contract. The total level of effort for the performance of this contract shall be 23,900 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.

(b) Of the total man-hours of direct labor set forth above, it is estimated that -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 Sections B and C.

(d) 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 term 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.

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(f) The Contracting Officer may, by written order, direct the Contractor to accelerate the expenditure of direct labor such that the total 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 this contract, the Contracting Officer, at its sole discretion, shall either (i) reduce the fee of this contract as follows:

$$\text{Fee Reduction} = \frac{\text{Fee (Required LOE - Expended LOE)}}{\text{Required LOE}}$$

or (ii) subject to the provisions of the clause of this contract entitled "LIMITATION OF COST" (FAR 52.232-20) 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 Administrative Contracting Officer and the Defense Contract Audit Agency (DCAA), which collects costs incurred and effort (compensated and uncompensated, if any) provided in fulfillment of the level of effort obligations of 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 Contract Administration Office and to the 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 underrun; (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 alternative 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 work plan. The primary worksite is the traditional "main office" worksite. An alternative worksite means an employee's residence or a 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 the 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.

NAVSEA 5252.237-9106 SUBSTITUTION OF PERSONNEL (SEP 1990)

(a) The contractor agrees that during the first 120 days of the period of performance no key personnel substitutions will be permitted unless such substitutions are necessitated by an individual's sudden illness, death, or termination of employment. All proposed substitutions shall have qualifications equal to or higher than the qualifications of the person to be replaced. The Contracting Officer shall be notified in writing of any proposed substitution at least forty-five (45) days, or ninety (90) days if a security clearance is to be obtained, in advance of the proposed substitution. Such notification shall include:

(1) An explanation of the circumstances necessitating the substitution;

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(2) A complete resume of the proposed substitute;

(3) The hourly rates of the incumbent and the proposed substitute; and

(4) Any other information requested by the Contracting Officer to enable him/her to judge whether or not the Contractor is maintaining the same high quality of personnel that provided the partial basis for award.

(c) In the event a requirement to increase the specified level of effort for a designated labor category, but not the overall level of effort of the contract, occurs, the Contractor shall submit to the Contracting Officer a written request for approval to add personnel to the designated labor category. The same information as specified in paragraph (b) above is to be submitted with the request.

(d) The Contracting Officer shall evaluate requests for changes in personnel and promptly notify the Contractor, in writing, whether the request is approved or disapproved.

(e) Upon contract award, the desired qualifications as stated herein, will become minimum qualifications for any growth in Key Personnel categories beyond those individuals originally proposed. Resumes (in the format provided herein) shall be submitted to the Contracting Officer, and approved, prior to the individual being allowed to charge to the contract.

(f) Requests for post award approval of additional and/or replacement key and non-key personnel may be submitted via e-mail. E-mail submissions shall be made simultaneously to the Contract Specialist [Vivian Truman] and the Task Order Manager (TOM) [Jason Sabatino]. Electronic notification via e-mail from the Contract Specialist will serve as written approval/disapproval on behalf of the Contracting Officer.

Additional Applicable Section H Special Contract Requirements

NSWCPC – H06 NSWC PANAMA CITY SECURITY REQUIREMENTS

a. The work to be performed under this contract as delineated in the DD Form 254, Attachment No (_1_) involves access to and handling of classified material up to and including (SECRET).

b. In addition to the requirements of the clause in Section I entitled "Security Requirements," (FAR 52-204-2), the Contractor shall appoint a Facility Security Officer (FSO), who shall (1) be responsible for all security aspects of the work performed under this contract, (2) assure compliance with the National Industrial Security Program Operating Manual (NISPOM) (DOD 5220.22-M), and (3) assure compliance with any written instructions from the Naval Surface Warfare Center Panama City Division Security Office, 110 Vernon Avenue, Panama City, Florida 32407-7001.

c. If the contractual effort is unclassified and the contractor facility does not have an FSO, an individual to coordinate security-related requirements must be appointed.
(end of provision)

NSWCPC – H07 INFORMATION SECURITY REQUIREMENTS

a. Controlled Unclassified Information (CUI):

Controlled unclassified information (CUI) is official information that requires the application of controls and protective measures for a variety of reasons and has not been approved for public release, to include technical information, proprietary data, information requiring protection under the Privacy Act of 1974, and Government-developed privileged information involving the award of contracts.

CUI is a categorical designation that refers to unclassified information that does not meet the standards for National Security Classification under Executive Order 12958, as amended, but is (a) pertinent to the national interest of the United States or to the important interests of entities outside the Federal Government, and (b) under law or policy requires protection from unauthorized disclosure, special handling safeguards, or prescribed limits on exchange or dissemination.

b. Minimum Requirements for Access to Controlled Unclassified Information (CUI):

Prior to access, contractor personnel requiring access to DON controlled unclassified information (CUI) or "user level

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access to DON or DoD networks and information systems, system security and network defense systems, or to system resources providing visual access and/or ability to input, delete or otherwise manipulate sensitive information without controls to identify and deny sensitive information" who do not have clearance eligibility are required to submit a Questionnaire for Public Trust Positions (Standard Form 85P) through the cognizant Facility Security Officer or contractor entity representative to NSWC PCD Security, for a suitability determination by DON Central Adjudication Facility.

c. Minimum Protection Requirements for Controlled Unclassified Information (CUI):

Contract deliverables taking the form of unclassified limited-distribution documents (e.g., For Official Use Only (FOUO), Distribution Statement Controlled) are not authorized for public release and, therefore, shall not be posted on a publicly accessible web server or electronically transmitted via E-Mail unless appropriately encrypted.

(end of provision)

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SECTION I CONTRACT CLAUSES

Applicable Section I clauses are contained in the Basic MAC document.

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SECTION J LIST OF ATTACHMENTS

Exhibit A - CDRLS, DD Form 1423

Attachment 1 - DD254