

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE
U

PAGE OF PAGES
1 2

2. AMENDMENT/MODIFICATION NO.
07

3. EFFECTIVE DATE
10-Jan-2017

4. REQUISITION/PURCHASE REQ. NO.
1300616963

5. PROJECT NO. (If applicable)
N/A

6. ISSUED BY CODE

N00039

7. ADMINISTERED BY (If other than Item 6)

CODE

S2404A

SPAWAR HQ

4301 Pacific Highway

San Diego CA 92110

emily.f.green@navy.mil 858-537-0428

DCMA Manassas

14501 George Carter Way, 2nd Floor

Chantilly VA 20151

SCD: C

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code)

SYSTEMS TECHNOLOGY FORUM, LIMITED
150 Riverside Parkway, Suite 309
Fredericksburg VA 22406-1094

9A. AMENDMENT OF SOLICITATION NO.

9B. DATED (SEE ITEM 11)

[X]

10A. MODIFICATION OF CONTRACT/ORDER NO.

N00178-14-D-7955 / N00178-14-D-7955-NS02

10B. DATED (SEE ITEM 13)

05-Jul-2016

CAGE CODE 3GWG8

FACILITY CODE

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)

SEE SECTION G

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

- (*) A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
- [] B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
- [] C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
- [X] D. OTHER (Specify type of modification and authority) IAW Section B-3, Allotment of Funds

E. IMPORTANT: Contractor [] is not, [X] 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)

Cyndi C. Davis, Contracts Manager

16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)

Emily F Green, Contracting Officer

15B. CONTRACTOR/OFFEROR

15C. DATE SIGNED

/s/Cyndi C. Davis
(Signature of person authorized to sign)

09-Jan-2017

16B. UNITED STATES OF AMERICA

BY /s/Emily F Green
(Signature of Contracting Officer)

16C. DATE SIGNED

10-Jan-2017

NSN 7540-01-152-8070
PREVIOUS EDITION UNUSABLE

30-105

STANDARD FORM 30 (Rev. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

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GENERAL INFORMATION

The purpose of this modification is to provide incremental OMN funding. Accordingly, said Task Order is modified as follows: 1) Incrementally fund CLIN 7101 for \$100,727 and CLIN 9101 for \$5,000. and 2) Update Attachment 5-Allotment of Funds, Option One. A conformed copy of this Task Order is attached to this modification for informational purposes only.

The Line of Accounting information is hereby changed as follows:

The total amount of funds obligated to the task is hereby increased from \$4,467,914.00 by \$105,727.00 to \$4,573,641.00.

CLIN/SLIN	Type Of Fund	From (\$)	By (\$)	To (\$)
710116	O&MN,N	0.00	20,000.00	20,000.00
710117	O&MN,N	0.00	80,727.00	80,727.00
910112	O&MN,N	0.00	5,000.00	5,000.00

The total value of the order is hereby increased from \$11,199,823.12 by \$0.00 to \$11,199,823.12.

The Period of Performance of the following line items is hereby changed as follows:

CLIN/SLIN	From	To
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SECTION B SUPPLIES OR SERVICES AND PRICES

CLIN - SUPPLIES OR SERVICES

For Cost Type Items:

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
7001	R425	Labor to perform PMW/A 170 Systems Engineering Support in accordance with Attachment 1: Performance Work Statement (PWS) (O&MN,N)	1.0	LO	\$2,320,388.09		\$2,452,132.37
700101	R425	Incremental funding in support of Paragraph 5.1 (O&MN,N)					
700102	R425	Incremental funding in support of Paragraph 5.1 (O&MN,N)					
700103	R425	Incremental funding in support of Paragraph 5.3 (RDT&E)					
700104	R425	Incremental funding in support of Paragraph 5.3 (RDT&E)					
700105	R425	Incremental funding in support of Paragraph 5.3 (RDT&E)					
700106	R425	Incremental funding in support of Paragraph 5.1 (O&MN,N)					
700107	R425	Incremental funding in support of Paragraph 5.3 (RDT&E)					
700108	R425	Incremental funding in support of Paragraph 5.3 (RDT&E)					
700109	R425	Incremental funding in support of Paragraph 5.1 (O&MN,N)					
700110	R425	Incremental funding in support of Paragraph 5.3 (RDT&E)					
700111	R425	Incremental funding in support of Paragraph 5.2 (OPN)					
700112	R425	Incremental funding in support of Paragraph 5.1 (O&MN,N)					
700113	R425	Incremental funding in support of Paragraph 5.3 (RDT&E)					
700114	R425	Incremental funding in support of Paragraph 5.3 (RDT&E)					
700115	R425	Incremental funding in support of Paragraph 5.3 (RDT&E)					
700116	R425	Incremental funding in support of Paragraph 5.3 (RDT&E)					

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Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
700117	R425	Incremental funding in support of Paragraph 5.4 (FMS)					
700118	R425	Incremental funding in support of Paragraph 5.4 (FMS)					
700119	R425	Incremental funding in support of Paragraph 5.4 (FMS)					
7101	R425	Labor to perform PMW/A 170 Systems Engineering Support in accordance with Attachment 1: Performance Work Statement (PWS) (O&MN,N)	1.0	LO	\$7,732,211.80		\$8,171,244.75
710101	R425	Incremental funding in support of Paragraph 5.1 (O&MN,N)					
710102	R425	Incremental funding in support of Paragraph 5.1 (O&MN,N)					
710103	R425	Incremental funding in support of Paragraph 5.3 (RDT&E)					
710104	R425	Incremental funding in support of Paragraph 5.3 (RDT&E)					
710105	R425	Incremental funding in support of Paragraph 5.3 (RDT&E)					
710106	R425	Incremental funding in support of Paragraph 5.3 (RDT&E)					
710107	R425	Incremental funding in support of Paragraph 5.1 (O&MN,N)					
710108	R425	Incremental funding in support of Paragraph 5.3 (RDT&E)					
710109	R425	Incremental funding in support of Paragraph 5.3 (RDT&E)					
710110	R425	Incremental funding in support of Paragraph 5.1 (O&MN,N)					
710111	R425	Incremental funding in support of Paragraph 5.2 (OPN)					
710112	R425	Incremental funding in support of Paragraph 5.4 (FMS)					
710113	R425	Incremental funding in support of Paragraph 5.4 (FMS)					
710114	R425	Incremental funding in support of Paragraph 5.4 (FMS)					
710115	R425	Incremental funding in support of Paragraph 5.6 (APN)					
710116	R425	Incremental funding in support of Paragraph 5.1 (O&MN,N)					

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Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
710117	R425	Incremental funding in support of Paragraph 5.1 (O&MN,N)					
7201	R425	Labor to perform PMW/A 170 Systems Engineering Support in accordance with Attachment 1: Performance Work Statement (PWS) (O&MN,N) Option	1.0	LO	\$7,885,088.88		\$8,332,817.16
7301	R425	Labor to perform PMW/A 170 Systems Engineering Support in accordance with Attachment 1: Performance Work Statement (PWS) (O&MN,N) Option	1.0	LO	\$8,040,748.28		\$8,497,334.36
7401	R425	Labor to perform PMW/A 170 Systems Engineering Support in accordance with Attachment 1: Performance Work Statement (PWS) (O&MN,N) Option	1.0	LO	\$8,199,837.08		\$8,665,472.76
7501	R425	Labor to perform PMW/A 170 Systems Engineering Support in accordance with Attachment 1: Performance Work Statement (PWS) (O&MN,N) Option	1.0	LO	\$5,851,731.56		\$6,184,054.39

For ODC Items:

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost
9001	R425	ODC in support of CLIN 7001 (O&MN,N)	1.0	LO	\$166,413.00
900101	R425	Incremental funding in support of Paragraph 5.1 (O&MN,N)			
900102	R425	Incremental funding in support of Paragraph 5.1 (O&MN,N)			
900103	R425	Incremental funding in support of Paragraph 5.3 (RDT&E)			
900104	R425	Incremental funding in support of Paragraph 5.3 (RDT&E)			
900105	R425	Incremental funding in support of Paragraph 5.3 (RDT&E)			
900106	R425	Incremental funding in support of Paragraph 5.1 (O&MN,N)			
900107	R425	Incremental funding in support of Paragraph 5.3 (RDT&E)			
900108	R425	Incremental funding in support of Paragraph 5.3 (RDT&E)			
900109	R425	Incremental funding in support of Paragraph 5.3 (RDT&E)			
900110	R425	Incremental funding in support of Paragraph 5.1 (O&MN,N)			
900111	R425	Incremental funding in support of Paragraph 5.4 (FMS)			
900112	R425	Incremental funding in support of Paragraph 5.4 (FMS)			
900113	R425	Incremental funding in support of Paragraph 5.4 (FMS)			

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Item	PSC	Supplies/Services	Qty	Unit	Est. Cost
9101	R425	ODC in support of CLIN 7101 (O&MN,N)	1.0	LO	\$410,033.00
910101	R425	Incremental funding in support of Paragraph 5.1 (O&MN,N)			
910102	R425	Incremental funding in support of Paragraph 5.3 (RDT&E)			
910103	R425	Incremental funding in support of Paragraph 5.3 (RDT&E)			
910104	R425	Incremental funding in support of Paragraph 5.3 (RDT&E)			
910105	R425	Incremental funding in support of Paragraph 5.3 (RDT&E)			
910106	R425	Incremental funding in support of Paragraph 5.3 (RDT&E)			
910107	R425	Incremental funding in support of Paragraph 5.2 (OPN)			
910108	R425	Incremental funding in support of Paragraph 5.4 (FMS)			
910109	R425	Incremental funding in support of Paragraph 5.4 (FMS)			
910110	R425	Incremental funding in support of Paragraph 5.4 (FMS)			
910111	R425	Incremental funding in support of Paragraph 5.6 (APN)			
910112	R425	Incremental funding in support of Paragraph 5.1 (O&MN,N)			
9201	R425	ODC in support of CLIN 7201 (O&MN,N) Option	1.0	LO	\$415,689.00
9301	R425	ODC in support of CLIN 7301 (O&MN,N) Option	1.0	LO	\$421,515.00
9401	R425	ODC in support of CLIN 7401 (O&MN,N) Option	1.0	LO	\$427,516.00
9501	R425	ODC in support of CLIN 7501 (O&MN,N) Option	1.0	LO	\$265,037.00

B-1 ADDITIONAL SLINS

Additional SLINs will be unilaterally created by the Contracting Officer during performance of this Task Order to accommodate the funding lines that will be provided under this Order.

B-2 OTHER DIRECT COSTS

It is anticipated that ODCs will consist mainly of travel and incidental material costs. The Government reserves the right to increase the ODC CLINs to reflect increases for travel and other direct costs. Travel costs shall be reimbursed based on actual, reasonable costs in accordance with the Joint Travel Regulations or with FAR 31.205-46. Travel and Other Direct Costs will be non-fee bearing elements subject to Material Handling and G&A Rates only.

B-3 FEE DETERMINATION AND PAYMENT (LEVEL OF EFFORT)

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(a) Total Estimated Hours.

The total number of hours of direct labor (including overtime and subcontract hours), but excluding holiday, sick leave, vacation and other excused absence hours) estimated to be expended under this task order is **[SEE TABLE BELOW]**. The **[SEE TABLE BELOW]** direct labor hours include **0** uncompensated overtime labor hours.

(b) Computation of Fee.

The fee per direct labor hour is computed by dividing the fixed fee amount shown in Section B by the number of estimated hours.

(c) Modifications.

If the Contracting Officer determines, for any reason, to adjust the task order amount or the estimated total hours set forth above, such adjustments shall be made by task order modification. Any additional hours will be fee bearing, and the additional negotiated fee will be divided by the additional estimated hours to determine a new fee (applicable to the additional hours only). If the fee for these additional hours is different from that of the original estimated hours, these hours shall be kept separate from the original estimated total hours.

The estimated cost of the task order may be increased by written modification, if required, due to cost overruns. This increase in cost is not fee bearing and no additional hours will be added.

(d) Payment of Fee.

The Government shall pay fixed fee to the contractor on each direct labor hour performed by the contractor or subcontractor, at the rate of **[SEE TABLE BELOW]** per labor hour invoiced by the contractor subject to the contract's "Fixed Fee" clause, provided that the total of all such payments shall not exceed eighty-five percent (85%) of the fixed fee specified under the task order. Any balance of fixed fee shall be paid to the contractor, or any overpayment of fixed fee shall be repaid by the contractor, at the time of final payment.

Nothing herein shall be construed to alter or waive any of the rights or obligations of either party pursuant to the FAR 52.232-20 "Limitation of Cost" or FAR 52.232-22 "Limitation of Funds" clauses, either of which is incorporated herein by reference.

TABLE	CLIN	FIXED FEE	HOURS	FEE PER DIRECT LABOR HOUR
BASE YEAR	7001		38,550	
OPTION I	7101		128,500	
OPTION II	7201		128,500	
OPTION III	7301		128,500	
OPTION IV	7401		128,500	

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OPTION V	7501		89,950	
TOTAL HOURS			642,500	

NOTE: The fee shall be paid to the prime contractor at the per hour rate specified in this paragraph regardless of whether the contractor or subcontractor is performing the work.

The Government reserves the right to transfer unused ceiling from previous periods to another as needed.

B-4 ALLOTMENT OF FUNDS (JAN 1989) (5252.232-9200)

(a) This contract is incrementally funded with respect to both cost and fee.

(b) The amounts presently available and allotted to this contract for payment of fee, as provided in the Section I clause of this contract entitled "Fixed Fee", are as follows:

ITEM(S) ALLOTED TO FIXED FEE

SEE ATTACHMENT 4: ALLOTMENT OF FUNDS

(c) The amounts presently available and allotted to this contract for payment of cost, subject to the

Section I "Limitation of Funds" clause, the items covered thereby and the period of performance which it is estimated the allotted amount will cover are as follows:

ITEM(S) ALLOTED TO COST PERIOD OF PERFORMANCE

SEE ATTACHMENT 4: ALLOTMENT OF FUNDS

(d) The parties contemplate that the Government will allot additional amounts to this contract from time to time by unilateral contract modification, and any such modification shall state separately the amounts allotted for cost and for fee, the items covered thereby, and the period of performance the amounts are expected to cover.

B-5 OPTION EXTENSION COSTS

In the event the Government exercises its rights to extend the order by up to six additional months pursuant to clause at FAR

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52.217-8, Option to Extend Services, such extension will be considered to have been evaluated, as its cost shall be at the rates specified for the period that is being extended.

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SECTION C DESCRIPTIONS AND SPECIFICATIONS

C-1 SPECIFICATIONS/STATEMENT OF WORK (DEC 1998)

Work under this contract shall be performed in accordance with Attachment No. 1 Performance Work Statement (PWS) and Exhibit A Contract Data Requirements List (CDRL) A001-A005.

C-2 QUALITY ASSURANCE SURVEILLANCE PLAN (QASP)

Objective: The purpose of this plan is to provide a quality assurance plan for the services contracted under this Task Order. This plan provides a basis for the Contracting Officer's Representative (COR) to evaluate the quality of the contractor's performance. The oversight provided for in this plan, and the remedy established, will help ensure that service levels are of high quality throughout the Task Order term. The Quality Assurance Surveillance Plan is provided as Attachment No. 3.

C-3 SECURITY REQUIREMENTS (DEC 1999)

No award will be made to any Offeror which does not possess a facility security clearance issued by the Defense Security Service at the TOP SECRET level with Secret Compartmented Information (SCI) access eligibility.

The work to be performed under this contract as delineated in the DD Form 254, Attachment No. 2 involves access to and handling of classified material up to and including TOP SECRET/SCI.

In addition to the requirements of the FAR 52.204-2 "Security Requirements" clause, the Contractor shall appoint a Security Officer, who shall (1) be responsible for all security aspects of the work performed under this contract, (2) assure compliance with the National Industry Security Program Operating Manual (DODINST 5220.22M), and (3) assure compliance with any written instructions from the SPAWARSSYSCOM Security Officer.

C-4 INFORMATION ASSURANCE (IA)

The contractor must follow DoD instruction DFARS 252.239-7001, Information Assurance Contractor Training and Certification, in solicitations and contracts involving contractor performance of information assurance functions as described in DoD 8570.01-M and DFARS 239.7102-3, Information Assurance Contractor Training and Certification.

C-5 WORKWEEK (APRIL 2012)

(a) All or a portion of the effort under this contract will be performed on a Government installation. The normal workweek for Government employees at SPAWARSSYSCOM is Monday – Friday 0800 to 1630 hours. Work at this Government installation, shall be performed by the contractor within the normal workweek unless differing hours are specified on the individual task orders. Following is a list of holidays observed by the Government:

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<u>Name of Holiday</u>	<u>Time of Observance</u>
New Year's Day	1 January
Martin Luther King Jr. Day	Third Monday in January
President's Day	Third Monday in February
Memorial Day	Last Monday in May
Independence Day	4 July
Labor Day	First Monday in September
Columbus Day	Second Monday in October
Veteran's Day	11 November
Thanksgiving Day	Fourth Thursday in November
Christmas Day	25 December

(b) If any of the above holidays occur on a Saturday or a Sunday, then such holiday shall be observed by the Contractor in accordance with the practice as observed by the assigned Government employees at the using activity.

(c) If the Contractor is prevented from performance as the result of an Executive Order or an administrative leave determination applying to the using activity, such time may be charged to the contract as direct cost provided such charges are consistent with the Contractor's accounting practices.

(d) This contract does not allow for payment of overtime during the normal workweek for employees who are not exempted from the Fair Labor Standards Act unless expressly authorized by the Ordering Officer. Under Federal regulations the payment of overtime is required only when an employee works more than 40 hours in a normal week period.

(e) Periodically the Government may conduct Anti-Terrorism Force Protection (AT/FP) and/or safety security exercises which may require the Contractor to adjust its work schedule and/or place of performance to accommodate execution of the exercise. The Contractor will be required to work with its Government point of contact to adjust work schedules and/or place of performance in the case of an exercise that causes disruption of normally scheduled work hours, or disruption of access to a government facility. The contract does not allow for payment of work if schedules cannot be adjusted and/or the work cannot be executed remotely (i.e., the contractor's facility or alternate non-impacted location), during an exercise when government facilities are inaccessible.

C-6 NOTICE TO CONTRACTOR OF CERTAIN DRUG DETECTION PROCEDURES (DEC 1999)

(a) Pursuant to Navy policy applicable to both Government and contractor personnel, measures will be taken to prevent the introduction and utilization of illegal drugs and related paraphernalia into Government Work areas.

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(b) In furtherance of the Navy's drug control program, unannounced periodic inspections of the following nature may be conducted by installation security authorities:

(1) Routine inspection of contractor occupied work spaces.

(2) Random inspections of vehicles on entry or exit, with drug detection dog teams as available, to eliminate them as a safe haven for storage of or trafficking in illegal drugs.

(3) Random inspections of personnel possessions on entry or exit from the installation.

(c) When there is probable cause to believe that a contractor employee on board a naval installation has been engaged in use, possession or trafficking of drugs, the installation authorities may detain said employee until the employee can be removed from the installation, or can be released to the local authorities having jurisdiction.

(d) Trafficking in illegal drug and drug paraphernalia by contract employees while on a military vessel/installation may lead to possible withdrawal or downgrading of security clearance, and/or referral for prosecution by appropriate law enforcement authorities.

(e) The contractor is responsible for the conduct of employees performing work under this contract and is, therefore, responsible to assure that employees are notified of these provisions prior to assignment.

(f) The removal of contractor personnel from a Government vessel or installation as a result of the drug offenses shall not be cause for excusable delay, nor shall such action be deemed a basis for an equitable adjustment to price, delivery or other provisions of this contract.

C-7 LIABILITY INSURANCE--COST TYPE CONTRACTS (OCT 2001) (5252.228-9201)

(a) The following types of insurance are required in accordance with the FAR 52.228-7

"Insurance--Liability to Third Persons" clause and shall be maintained in the minimum amounts shown:

(1) Workers' compensation and employers' liability: minimum of \$100,000

(2) Comprehensive general liability: \$500,000 per occurrence

(3) Automobile liability: \$200,000 per person

\$500,000 per occurrence

\$20,000 per occurrence for property damage

(b) When requested by the contracting officer, the contractor shall furnish to the Contracting Officer a certificate or

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written statement of insurance. The written statement of insurance must contain the following information: policy number, policyholder, carrier, amount of coverage, dates of effectiveness (i.e., performance period), and contract number. The contract number shall be cited on the certificate of insurance.

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SECTION D PACKAGING AND MARKING

D-1 SHIP TO INFORMATION

See Section G – Contracting Officer Representative (COR)

All Deliverables shall be packaged and marked IAW Best Commercial Practice.

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SECTION E INSPECTION AND ACCEPTANCE

E-1 INSPECTION AND ACCEPTANCE--DESTINATION (JAN 2002)

Inspection and acceptance of the services to be furnished hereunder shall be made at destination by the COR or his/her duly authorized representative.

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SECTION F DELIVERABLES OR PERFORMANCE

The periods of performance for the following Items are as follows:

7001	7/5/2016 - 10/30/2016
7101	10/31/2016 - 10/30/2017
9001	7/5/2016 - 10/30/2017
9101	10/31/2016 - 10/30/2017

CLIN – DELIVERIES OR PERFORMANCE

The periods of performance for the following Base Items are as follows:

7001	07/05/2016-10/30/2016
9001	07/05/2016-10/30/2016

The periods of performance for the following Option Items are as follows:

7101	10/31/2016-10/30/2017
7201	10/31/2017-10/30/2018
7301	10/31/2018-10/30/2019
7401	10/31/2019-10/30/2020
7501	10/31/2020-07/03/2021
9101	10/31/2016-10/30/2017
9201	10/31/2017-10/30/2018
9301	10/31/2018-10/30/2019
9401	10/31/2019-10/30/2020
9501	10/31/2020-07/03/2021

Services to be performed hereunder will be provided in San Diego, CA. Due to the nature of the contracted services in support of direct program office activities, the majority of the work must be accomplished in close proximity to the SPAWAR Old Town Campus at 4301 Pacific Highway.

F-1 PERIODS OF PERFORMANCE (DEC 1999)

In the event the Government exercises its rights to extend the order by up to six (6) additional months pursuant to clause at FAR 52.217-8, "Option to Extend Services" or FAR 52.17-9 "Option to Extend the Term of the

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Contract”, such extension will be considered to have been evaluated, as its cost shall be at the rates specified for the period that is being extended.

Any option CLIN period of performance which extends past the current period of performance of the basic contract is only valid to the extent that the basic contract period of performance is extended.

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SECTION G CONTRACT ADMINISTRATION DATA

G-1 STANDARD MONTHLY STATUS REPORTS

The contractor shall electronically submit Monthly Status Reports (MSR) in accordance with the format and content detailed CDRL Item A001. Submissions are due monthly by the 10th of the following month to the Contracting Officer Representative. This submission may be to a central website.

In addition to the content specified in the CDRL Item, a brief narrative shall be included in the MSR to address the following:

- a. Period Covered by Report
- b. Significant Accomplishments – Description of the technical progress made during that period.
- c. Significant Issues
- d. Schedule Status – Indicate if efforts are on schedule. If not, indicate the reason for the delay and the projected completion or delivery date, if applicable.
- e. Travel Activity

The contractor shall provide emergent reports at the request of the Task Order Contracting Officer or COR.

G-2 INVOICING AND PAYMENT INSTRUCTIONS FOR MULTIPLE ACCOUNTING CLASSIFICATION CITATIONS

Contractor Invoicing Instructions

(a) Consistent with Task Order clause H-1, Segregation of Costs, the contractor shall segregate and accumulate costs for the performance of this Task Order by the appropriate Accounting Classification Reference Number (ACRN) listed in the Accounting Data provided in Section G.

(b) Each ACRN under this contract is associated to a specific program, project, or PWS paragraph. Cross-reference information for invoicing is provided in Section G, "Accounting Data." Under each ACRN; the program, project, or PWS paragraph; appropriation funds type and appropriation year are identified.

Costs incurred under the referenced program, project, or PWS paragraph shall only be billed to the associated ACRN(s). The contractor is only authorized to invoice for work completed under the program, project, or PWS paragraph referenced within each ACRN. Within each program, project, or PWS paragraph, the Contractor shall invoice in the same proportion as the amount of funding currently unliquidated (for each ACRN within the same fiscal year), starting with the earliest appropriation year.

(c) The contractor's invoice shall identify the appropriate Contract and Task Order number. For the work performed,

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invoiced costs shall be associated to the Contract Line Item Number (CLIN), the Contract Subline Item Number (SLIN), and the specific ACRN. Invoices submitted to the paying office that do not comply with this requirement will be returned to the contractor for resubmission. The contractor shall provide an electronic copy of each invoice to the Contracting Officer's Representative at the time of submission to WAWF.

G-3 TYPE OF CONTRACT (DEC 1999)

This is a Cost-Plus-Fixed-Fee (CPFF) and Cost (only) type CLINs.

G-4 WIDE AREA WORKFLOW PAYMENT INSTRUCTIONS (MAY 2013) (252.232-7006)

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

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

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

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

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

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

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

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

(d) WAWF training. The Contractor should follow the training instructions of the WAWF Web-Based Training Course and use the Practice Training Site before submitting payment requests through WAWF. Both can be accessed by selecting the "Web Based Training" link on the WAWF home page at <https://wawf.eb.mil/>.

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

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

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

(vii) Invoice and Receiving Report (Combo) or (I) Invoice (stand-alone) and Receiving Report (stand-alone)

Note: If a "Combo" document type is identified but not supportable by the Contractor's business systems, an "Invoice" (stand-alone) and "Receiving Report" (stand-alone) document type may be used instead.)

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

N/A

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

Routing Data Table*

<i>Field Name in WAWF</i>	<i>Data to be entered in WAWF</i>
Pay Official DoDAAC	HQ0338
Issue By DoDAAC	N00039
Admin DoDAAC	S2404A
Inspect by DoDAAC	N00039
Ship to Code	See Section D
Ship from Code	See Section D
Mark for Code	See Section D
Service Approver (DoDAAC)	N00039
Service Acceptor (DoDAAC)	N00039

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Accept at Other DoDAAC N/A

LPO DoDAAC N/A

DCAA Auditor Information TBD

Other DoDAAC N/A

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

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

Send Additional E-mail Notification To:
COR: Ramona Bingham (ramona.bingham@navy.mil)

(g) *WAWF point of contact.*

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

Not Applicable

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

G-5 CONTRACTING OFFICER REPRESENTATIVE

The SPAWAR Contracting Officer Representative (COR) for this Task Order is:

Name: Ramona Bingham

Code: PMW/A 170

Address: 4301 Pacific Highway, San Diego CA 92110

Phone: (619) 524-3617

E-Mail: ramona.bingham@navy.mil

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G-6 ACTIVITY OMBUDSMAN

The SPAWAR Ombudsman for this Task Order is:

Name: CDR Joel Pitel

Code: SPAWAR 21000

Address: 4301 Pacific Hwy, San Diego, CA 92110

Phone: 619-524-7598

E-Mail: joel.pitel@navy.mil

G-7 CONTRACTOR PERFORMANCE APPRAISAL REPORTING SYSTEM (OCT 2002)

- a. Past performance information will be collected and maintained under this contract using the Department of Defense Contractor Performance Appraisal Reporting System (CPARS). CPARS is a web-enabled application that collects and manages the contractor's performance information on a given contract during a specific period of time. Additional information is available at <http://www.cpars.navy.mil/>.
- b. After contract award, the contractor will be given access authorization by the respective SPAWAR Focal Point, to review and comment on any element of the proposed rating before that rating becomes final. Within 60 days after contract award, the contractor shall provide in writing (or via e-mail) to the contracting officer the name, title, e-mail address and telephone number of the company individual or individuals who will have the responsibility of reviewing and approving any Contractor Performance Appraisal Report (CPAR) Report developed under the contract. If, during the life of this contract these company individual(s) are replaced by the contractor, the name, title, e-mail address and telephone number of the substitute individuals will be provided to the contracting officer within 60 days of the replacement.

G-8 DFAS PAYMENT INSTRUCTIONS - OTHER (252.204-0012)

The payment office shall make payment from each ACRN in accordance with the amounts invoiced by CLIN / SLIN / ACRN as referenced on the contractor's invoice. The subject Task Order is a cost-type contract that requires multiple CLINs/SLINs/ACRNs to be funded against a fluid schedule. Consequently, the contractor completes the effort in a fluid environment. That said; the best way to define payment instructions is to evaluate the contractor's invoice, which is the only logical reflection of how funds will be expended.

NOTE: This Task Order has multiple sources of funding. DFAS Special Payment Instructions (1) - (11) use a first-in / first-out format that is not compatible with this multiple source funded Task Order. Payment Instruction (12) must be used to facilitate the multiple source funding structure of this Task Order for which invoicing shall be paid by CLIN / SLIN / ACRN as referenced in the contractor's invoices.

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Accounting Data

SLINID	PR Number	Amount
700101	1300576582	100000.00
LLA :		
AA 1761804 5C1C 251 00039 0 050120 2D 000000 COST CODE: A00003479913		
Standard Number: 130057658200001		
700102	1300576582	10000.00
LLA :		
AB 1761804 5C1C 251 00039 0 050120 2D 000000 COST CODE: A70003479913		
Standard Number: 130057658200002		
700103	1300576582	293600.00
LLA :		
AC 1761319 X7HX 251 00039 0 050120 2D 000000 COST CODE: A10003479913		
Standard Number: 130057658200003		
700104	1300576582	173600.00
LLA :		
AD 1761319 X7JN 251 00039 0 050120 2D 000000 COST CODE: A20003479913		
Standard Number: 130057658200004		
700105	1300576582	278466.00
LLA :		
AE 17X1319 5516 251 00039 0 050120 2D 000000 COST CODE: A30003479913		
Standard Number: 130057658200005		
700106	1300576582	135000.00
LLA :		
AF 1761804 5U7N 251 00039 0 050120 2D 000000 COST CODE: A40003479913		
Standard Number: 130057658200006		
700107	1300576582	285800.00
LLA :		
AG 1761319 X7KP 251 00039 0 050120 2D 000000 COST CODE: A50003479913		
Standard Number: 130057658200007		
700108	1300576582	399925.00
LLA :		
AH 1761319 X7HX 251 00039 0 050120 2D 000000 COST CODE: A80003479913		
Standard Number: 130057658200008		
700109	1300576582	25330.00
LLA :		
AJ 1761804 5C1C 251 00039 0 050120 2D 000000 COST CODE: A60003479913		
Standard Number: 130057658200009		
900101	1300576582	3000.00
LLA :		
AA 1761804 5C1C 251 00039 0 050120 2D 000000 COST CODE: A00003479913		
Standard Number: 130057658200001		
900102	1300576582	3000.00
LLA :		
AB 1761804 5C1C 251 00039 0 050120 2D 000000 COST CODE: A70003479913		
Standard Number: 130057658200002		
900103	1300576582	5000.00
LLA :		
AC 1761319 X7HX 251 00039 0 050120 2D 000000 COST CODE: A10003479913		
Standard Number: 130057658200003		
900104	1300576582	10000.00
LLA :		
AG 1761319 X7KP 251 00039 0 050120 2D 000000 COST CODE: A50003479913		
Standard Number: 130057658200007		
900105	1300576582	10000.00

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LLA :
 AH 1761319 X7HX 251 00039 0 050120 2D 000000 COST CODE: A80003479913
 Standard Number: 130057658200008

BASE Funding 1732721.00
 Cumulative Funding 1732721.00

MOD 01

700103 1300576582 (154853.00)

LLA :
 AC 1761319 X7HX 251 00039 0 050120 2D 000000 COST CODE: A10003479913
 Standard Number: 130057658200003

700104 1300576582 (11691.00)

LLA :
 AD 1761319 X7JN 251 00039 0 050120 2D 000000 COST CODE: A20003479913
 Standard Number: 130057658200004

700105 1300576582 (250757.00)

LLA :
 AE 17X1319 5516 251 00039 0 050120 2D 000000 COST CODE: A30003479913
 Standard Number: 130057658200005

700106 1300576582 (2692.00)

LLA :
 AF 1761804 5U7N 251 00039 0 050120 2D 000000 COST CODE: A40003479913
 Standard Number: 130057658200006

700108 1300576582 (173206.00)

LLA :
 AH 1761319 X7HX 251 00039 0 050120 2D 000000 COST CODE: A80003479913
 Standard Number: 130057658200008

700110 130058969200001 68564.00

LLA :
 AK 1761319 J5XQ 251 00019 0 050120 2D 000000 Cost Code: A00003566669

MOD 01 Funding -524635.00
 Cumulative Funding 1208086.00

MOD 02

700103 1300576582 154853.00

LLA :
 AC 1761319 X7HX 251 00039 0 050120 2D 000000 COST CODE: A10003479913
 Standard Number: 130057658200003

700111 1300594555 59533.00

LLA :
 AL 1741810 52NR 251 00039 0 050120 2D 000000 Cost Code: A00003596074
 Standard Number: 130059455500001

700112 1300594555 38216.00

LLA :
 AM 1761804 5C1C 251 00039 0 050120 2D 000000 Cost Code: A10003596074
 Standard Number: 130059455500002

700113 1300594557 105205.00

LLA :
 AN 5763600 296 60456 7 751731 00 4F8190 4 659900
 Standard Number: 130059455700001

700114 1300594557 14451.00

LLA :
 AN 5763600 296 60456 7 751731 00 4F8190 4 659900
 Standard Number: 130059455700002

700115 1300594557 54470.00

LLA :

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AQ 1761319 X544 251 00039 0 050120 2D 000000 Cost Code: A00003595763
Standard Number: 130059455700003

700116 1300594557 367536.00

LLA :

AR 1761319 X7KP 251 00039 0 050120 2D 000000 Cost Code: A10003595763
Standard Number: 130059455700004

700117 130058896200001 47000.00

LLA :

AU 97-11X8242 2886 000 74862 0 065916 2D PCN044 Cost Code: 525480120LHL

700118 1300588962 47000.00

LLA :

AV 97-11X8242 2812 000 74122 0 065916 2D PNET44 Cost Code: 525482060LGR
Standard Number: 130058896200002

700119 1300588962 47000.00

LLA :

AW 97-11X8242 2880 000 74802 0 065916 2D PUK844 Cost Code: 521380140LTN
Standard Number: 130058896200003

900106 1300594555 8971.00

LLA :

AM 1761804 5C1C 251 00039 0 050120 2D 000000 Cost Code: A10003596074
Standard Number: 130059455500002

900107 1300594557 5344.00

LLA :

AN 5763600 296 60456 7 751731 00 4F8190 4 659900
Standard Number: 130059455700001

900108 1300594557 7441.00

LLA :

AR 1761319 X7KP 251 00039 0 050120 2D 000000 Cost Code: A10003595763
Standard Number: 130059455700004

900109 1300594557 11691.00

LLA :

AS 1761319 X7JN 251 00039 0 050120 2D 000000 Cost Code: A20003595763
Standard Number: 130059455700005

900110 1300594557 2692.00

LLA :

AT 1761804 5U7N 251 00039 0 050120 2D 000000 Cost Code: A30003595763
Standard Number: 130059455700006

900111 1300588962 8000.00

LLA :

AU 97-11X8242 2886 000 74862 0 065916 2D PCN044 Cost Code: 525480120LHL
Standard Number: 130058896200001

900112 1300588962 8000.00

LLA :

AV 97-11X8242 2812 000 74122 0 065916 2D PNET44 Cost Code: 525482060LGR
Standard Number: 130058896200002

900113 1300588962 8000.00

LLA :

AW 97-11X8242 2880 000 74802 0 065916 2D PUK844 Cost Code: 521380140LTN
Standard Number: 130058896200003

MOD 02 Funding 995403.00
Cumulative Funding 2203489.00

MOD 03

710101 1300604685 40669.00

LLA :

AX 1771804 5U7N 251 00039 0 050120 2D 000000 Cost Code: A00003680431
Standard Number: 130060468500001

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710102 1300604685 6403.00
LLA :
AY 1771804 5C1C 251 00039 0 050120 2D 000000 Cost Code: A10003680431
Standard Number: 130060468500002

710103 1300604687 561000.00
LLA :
AZ 1771319 X7HX 251 00039 0 050120 2D 000000 Cost Code: A00003680699
Standard Number: 130060468700001

710104 1300604687 105000.00
LLA :
BA 1771319 X544 251 00039 0 050120 2D 000000 Cost Code: A10003680699
Standard Number: 130060468700002

710105 1300604687 155000.00
LLA :
BB 1771319 X7KP 251 00039 0 050120 2D 000000 Cost Code: A20003680699
Standard Number: 130060468700003

710106 1300604687 120000.00
LLA :
BC 1771319 X7HX 251 00039 0 050120 2D 000000 Cost Code: A30003680699
Standard Number: 130060468700004

710107 1300604687 33750.00
LLA :
BD 1771804 5U7N 251 00039 0 050120 2D 000000 Cost Code: A40003680699
Standard Number: 130060468700005

710108 1300604687 28750.00
LLA :
BE 1771319 X7HX 251 00039 0 050120 2D 000000 Cost Code: A50003680699
Standard Number: 130060468700006

710109 1300604687 66000.00
LLA :
BF 1771319 X7JN 251 00039 0 050120 2D 000000 Cost Code: A60003680699
Standard Number: 130060468700007

710110 1300604687 20000.00
LLA :
BG 1771804 5C1C 251 00039 0 050120 2D 000000 Cost Code: A70003680699
Standard Number: 130060468700008

710111 1300604687 597853.00
LLA :
BH 1761810 M2NS 251 00039 0 050120 2D 000000 Cost Code: A80003680699
Standard Number: 130060468700009

910101 1300604685 5000.00
LLA :
AY 1771804 5C1C 251 00039 0 050120 2D 000000 Cost Code: A10003680431
Standard Number: 130060468500002

910102 1300604687 14000.00
LLA :
AZ 1771319 X7HX 251 00039 0 050120 2D 000000 Cost Code: A00003680699
Standard Number: 130060468700001

910103 1300604687 10000.00
LLA :
BB 1771319 X7KP 251 00039 0 050120 2D 000000 Cost Code: A20003680699
Standard Number: 130060468700003

910104 1300604687 5000.00
LLA :
BC 1771319 X7HX 251 00039 0 050120 2D 000000 Cost Code: A30003680699
Standard Number: 130060468700004

910105 1300604687 5000.00

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LLA :
 BE 1771319 X7HX 251 00039 0 050120 2D 000000 Cost Code: A50003680699
 Standard Number: 130060468700006

910106 1300604687 5000.00

LLA :
 BF 1771319 X7JN 251 00039 0 050120 2D 000000 Cost Code: A60003680699
 Standard Number: 130060468700007

910107 1300604687 16000.00

LLA :
 BH 1761810 M2NS 251 00039 0 050120 2D 000000 Cost Code: A80003680699
 Standard Number: 130060468700009

MOD 03 Funding 1794425.00
 Cumulative Funding 3997914.00

MOD 04

710112 1300605879 85784.00

LLA :
 BJ 97-11X8242 2886 000 74862 0 065916 2D PCN044 Cost Code: 525480190LHL
 Standard Number: 130060587900001

710113 130060587900003 85784.00

LLA :
 BK 97-11X8242 2812 000 74122 0 065916 2D PNET44 Cost Code: 525482110LGR

710114 130060587900005 85784.00

LLA :
 BL 97-11X8242 2880 000 74802 0 065916 2D PUK844 Cost Code: 521380200LTN

910108 130060587900002 20216.00

LLA :
 BJ 97-11X8242 2886 000 74862 0 065916 2D PCN044 Cost Code: 525480190LHL

910109 130060587900004 20216.00

LLA :
 BK 97-11X8242 2812 000 74122 0 065916 2D PNET44 Cost Code: 525482110LGR

910110 130060587900006 20216.00

LLA :
 BL 97-11X8242 2880 000 74802 0 065916 2D PUK844 Cost Code: 521380200LTN

MOD 04 Funding 318000.00
 Cumulative Funding 4315914.00

MOD 05

710115 1300604709 147000.00

LLA :
 BM 1771506 45CX 251 00019 0 050120 2D 000000 Cost Code: A00003687647
 Standard Number: 130060470900001

910111 1300604709 5000.00

LLA :
 BM 1771506 45CX 251 00019 0 050120 2D 000000 Cost Code: A00003687647
 Standard Number: 130060470900002

MOD 05 Funding 152000.00
 Cumulative Funding 4467914.00

MOD 06 Funding 0.00
 Cumulative Funding 4467914.00

MOD 07

710116 1300616963 20000.00

LLA :

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BN 1771804 5U7N 251 00039 0 050120 2D 000000 Cost Code: A00003781595
Standard Number: 130061696300001

710117 1300616963 80727.00

LLA :

BP 1771804 5C1C 251 00039 0 050120 2D 000000 Cost Code: A10003781595
Standard Number: 130061696300003

910112 1300616963 5000.00

LLA :

BN 1771804 5U7N 251 00039 0 050120 2D 000000 Cost Code: A00003781595
Standard Number: 130061696300002

MOD 07 Funding 105727.00
Cumulative Funding 4573641.00

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SECTION H SPECIAL CONTRACT REQUIREMENTS

H-1 SEGREGATION OF COSTS (DEC 2003) (5252.232-9206)

(a) The Contractor agrees to segregate costs incurred under this task order at the lowest level of performance, either task or subtask, rather than on a total task order basis, and to submit invoices reflecting costs incurred at that level. Invoices shall contain summaries of work charged during the period covered, as well as overall cumulative summaries by labor category for all work invoiced to date, by line item, task or subtask.

(b) Where multiple lines of accounting are present, the ACRN preceding the accounting citation will be found in Section B and/or Section G, of the contract or in the task or delivery order that authorizes work. Payment of Contractor invoices shall be accomplished only by charging the ACRN that corresponds to the work invoiced.

(c) Except when payment requests are submitted electronically as specified in the clause at DFARS 252.232-7003, Electronic Submission of Payment Requests, one copy of each invoice or voucher will be provided, at the time of submission to DCAA, to the Contracting Officer Representative.

H-2 DATA RIGHTS

The Data Rights clause in the basic contract is invoked for this task order.

H-3 CONTRACTOR PICTURE BADGE (JUL 2013) (5252.204-9202)

(a) A contractor picture badge may be issued to contractor personnel by the SPAWARSSYSCOM Security Office upon receipt of a valid visit request from the Contractor and a picture badge request from the COR. A list of personnel requiring picture badges must be provided to the COR to verify that the contract or delivery/task order authorizes performance at SPAWARSSYSCOM prior to completion of the picture badge request.

(b) The contractor assumes full responsibility for the proper use of the identification badge and shall be responsible for the return of the badge upon termination of personnel or expiration or completion of the contract.

(c) At the completion of the contract, the contractor shall forward to SPAWARSSYSCOM Security Office a list of all unreturned badges with a written explanation of any missing badges.

H-4 CONTRACTOR IDENTIFICATION (MAY 2004) (5252.237-9602)

(a) Contractor employees must be clearly identifiable while on Government property by wearing appropriate badges.

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(b) Contractor personnel and their subcontractors must identify themselves as contractors or subcontractors during meetings, telephone conversations, in electronic messages, or correspondence related to this contract.

(c) Contractor-occupied facilities (on Department of the Navy or other Government installations) such as offices, separate rooms, or cubicles must be clearly identified with Contractor supplied signs, name plates or other identification, showing that these are work areas for Contractor or subcontractor personnel.

**H-5 LIMITED RELEASE OF CONTRACTOR CONFIDENTIAL BUSINESS INFORMATION (CBI)
(APRIL 2010) (5252.227-9207)**

(a) Definition.

“Confidential Business Information,” (Information) as used in this clause, is defined as all forms and types of financial, business, economic or other types of information other than technical data or computer software/computer software documentation, whether tangible or intangible, and whether or how stored, compiled, or memorialized physically, electronically, graphically, photographically, or in writing if -- (1) the owner thereof has taken reasonable measures to keep such Information secret, and (2) the Information derives independent economic value, actual or potential from not being generally known to, and not being readily ascertainable through proper means by, the public. Information does not include technical data, as that term is defined in DFARS 252.227-7013(a)(14), 252.227-7015(a)(4), and 252.227-7018(a)(19). Similarly, Information does not include computer software/computer software documentation, as those terms are defined in DFARS 252.227-7014(a)(4) and 252.227-7018(a)(4).

(b) The Space and Naval Warfare Systems Command (SPAWAR) may release to individuals employed by SPAWAR support contractors and their subcontractors Information submitted by the contractor or its subcontractors pursuant to the provisions of this contract. Information that would ordinarily be entitled to confidential treatment may be included in the Information released to these individuals. Accordingly, by submission of a proposal or execution of this contract, the Offeror or contractor and its subcontractors consent to a limited release of its Information, but only for purposes as described in paragraph (c) of this clause.

(c) Circumstances where SPAWAR may release the contractor’s or subcontractors’ Information include the following:

(1) To other SPAWAR contractors and subcontractors, and their employees tasked with assisting SPAWAR in handling and processing Information and documents in the administration of SPAWAR contracts, such as file room management and contract closeout; and,

(2) To SPAWAR contractors and subcontractors, and their employees tasked with assisting SPAWAR in accounting support services, including access to cost-reimbursement vouchers.

(d) SPAWAR recognizes its obligation to protect the contractor and its subcontractors from competitive harm that could result from the release of such Information. SPAWAR will permit the limited release of information under paragraphs (c)(1) and (c)(2) only under the following conditions:

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(1) SPAWAR determines that access is required by other SPAWAR contractors and their subcontractors to perform the tasks described in paragraphs (c)(1) and (c)(2);

(2) Access to Information is restricted to individuals with a bona fide need to possess;

(3) Contractors and their subcontractors having access to Information have agreed under their contract or a separate corporate non-disclosure agreement to provide the same level of protection to the Information that would be provided by SPAWAR employees. Such contract terms or separate corporate non-disclosure agreement shall require the contractors and subcontractors to train their employees on how to properly handle the Information to which they will have access, and to have their employees sign company non-disclosure agreements certifying that they understand the sensitive nature of the Information and that unauthorized use of the Information could expose their company to significant liability. Copies of such employee non-disclosure agreements shall be provided to the Government;

(4) SPAWAR contractors and their subcontractors performing the tasks described in paragraphs (c)(1) or (c)(2) have agreed under their contract or a separate non-disclosure agreement to not use the Information for any purpose other than performing the tasks described in paragraphs (c)(1) and

(c)(2); and,

(5) Before releasing the Information to a non-Government person to perform the tasks described in paragraphs (c)(1) and (c)(2), SPAWAR shall provide the contractor a list of the company names to which access is being granted, along with a Point of Contact for those entities.

(e) SPAWAR's responsibilities under the Freedom of Information Act are not affected by this clause.

(f) The contractor agrees to include, and require inclusion of, this clause in all subcontracts at any tier that requires the furnishing of Information.

H-6 TECHNICAL INSTRUCTIONS

(a) Performance of work hereunder may be subject to written technical instructions signed by the COR specified in Section G of this task order. As used herein, technical instructions are defined to include the following:

(1) Directions to the Contractor which suggest pursuit of certain lines of inquiry, shift work emphasis, fill in details and otherwise serve to accomplish the contractual statement of work.

(2) Guidelines to the Contractor which assist in the interpretation of drawings, specifications or technical portions of work descriptions.

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

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(c) If, in the opinion of the Contractor, any technical instruction calls for effort outside the scope of the task order or is inconsistent with this requirement, the Contractor shall notify the Contracting Officer in writing within ten (10) working days after the receipt of any such instruction. The Contractor shall not proceed with the work affected by the technical instruction unless and until the Contractor is notified by the Contracting Officer that the technical instruction is within the scope of the task order.

H-7 ORGANIZATIONAL CONFLICT OF INTEREST

The Organizational Conflict of Interest clause in the Contractor's Basic SeaPort IDIQ contract is incorporated in this Task Order by reference.

H-8 NOTIFICATION CONCERNING DETERMINATION OF SMALL BUSINESS SIZE STATUS

For the purposes of FAR clauses 52.219-6, NOTICE OF TOTAL SMALL BUSINESS SET-ASIDE, 52.219-3, NOTICE OF TOAL HUBZONE SET-ASIDE, 52.219-18. NOTIFICATION OF COMPETITION LIMITED TO ELIGIBLE 8(A) CONCERNS, and 52.219-27, NOTICE OF TOTAL SERVICE-DISABLED VETERAN-OWNED SMALL BUSINESS SET-ASIDE, the determination of whether a small business concern is independently owned and operated, not dominant in the field of operation in which it is bidding on Government contracts, and qualified as a small business under the size standards in this solicitation, and further, meets the definition of a HUBZone small business concern, a small business concern certified by the SBA for participation in the SBA's 8(a) program, or a service disabled veteran-owned small business concern, as applicable, shall be based on the status of said concern at the time of award of the SeaPort-e MACs and as further determined in accordance with the basic contract clause Special Contract Requirement H-19.

H-9 REIMBURSEMENT OF TRAVEL COSTS (JAN 2006) (5252.231-9200)

(a) Contractor Request and Government Approval of Travel

Any travel under this contract must be specifically requested in writing, by the contractor prior to incurring any travel costs. If this contract is a definite or indefinite delivery contract, then the written Government authorization will be by task/delivery orders issued by the Ordering Officer or by a modification to an issued task/delivery order. If this contract is not a definite or indefinite delivery contract, then the written Government authorization will be by written notice of approval from the Contracting Officer's Representative (COR). The request shall include as a minimum, the following:

- (1) Contract number
- (2) Date, time, and place of proposed travel
- (3) Purpose of travel and how it relates to the contract
- (4) Contractor's estimated cost of travel
- (5) Name(s) of individual(s) traveling and;

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(6) A breakdown of estimated travel and per diem charges.

(b) General

(1) The costs for travel, subsistence, and lodging shall be reimbursed to the contractor only to the extent that it is necessary and authorized for performance of the work under this contract. The costs for travel, subsistence, and lodging shall be reimbursed to the contractor in accordance with the Federal Acquisition Regulation (FAR) 31.205-46, which is incorporated by reference into this contract. As specified in FAR 31.205-46(a) (2), reimbursement for the costs incurred for lodging, meals and incidental expenses (as defined in the travel regulations cited subparagraphs (b)(1)(i) through (b)(1)(iii) below) shall be considered to be reasonable and allowable only to the extent that they do not exceed on a daily basis the maximum per diem rates in effect at the time of travel as set forth in the following:

(i) Federal Travel Regulation prescribed by the General Services Administration for travel in the contiguous 48 United States;

(ii) Joint Travel Regulation, Volume 2, DoD Civilian Personnel, Appendix A, prescribed by the Department of Defense for travel in Alaska, Hawaii, The Commonwealth of Puerto Rico, and the territories and possessions of the United States; or

(iii) Standardized Regulations, (Government Civilians, Foreign Areas), Section 925, "Maximum Travel Per Diem Allowances in Foreign Areas" prescribed by the Department of State, for travel in areas not covered in the travel regulations cited in subparagraphs (b)(1)(i) and (b)(1)(ii) above.

(2) Personnel in travel status from and to the contractor's place of business and designated work site or vice versa, shall be considered to be performing work under the contract, and contractor shall bill such travel time at the straight (regular) time rate; however, such billing shall not exceed eight hours per person for any one person while in travel status during one calendar day.

(c) Per Diem

(1) The contractor shall not be paid per diem for contractor personnel who reside in the metropolitan area in which the tasks are being performed. Per diem shall not be paid on services performed at contractor's home facility and at any facility required by the contract, or at any location within a radius of 50 miles from the contractor's home facility and any facility required by this contract.

(2) Costs for subsistence and lodging shall be paid to the contractor only to the extent that overnight stay is necessary and authorized in writing by the Government for performance of the work under this contract per paragraph (a). When authorized, per diem shall be paid by the contractor to its employees at a rate not to exceed the rate specified in the travel regulations cited in FAR 31.205-46(a)(2) and authorized in writing by the Government. The authorized per diem rate shall be the same as the prevailing locality per diem rate.

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(3) Reimbursement to the contractor for per diem shall be limited to payments to employees not to exceed the authorized per diem and as authorized in writing by the Government per paragraph (a). Fractional parts of a day shall be payable on a prorated basis for purposes of billing for per diem charges attributed to subsistence on days of travel. The departure day from the Permanent Duty Station (PDS) and return day to the PDS shall be 75% of the applicable per diem rate. The contractor shall retain supporting documentation for per diem paid to employees as evidence of actual payments, as required by the FAR 52.216-7 "Allowable Cost and Payment" clause of the contract.

(d) Transportation

(1) The contractor shall be paid on the basis of actual amounts paid to the extent that such transportation is necessary for the performance of work under the contract and is authorized in writing by the Government per paragraph (a).

(2) The contractor agrees, in the performance of necessary travel, to use the lowest cost mode commensurate with the requirements of the mission and in accordance with good traffic management principles. When it is necessary to use air or rail travel, the contractor agrees to use coach, tourist class or similar accommodations to the extent consistent with the successful and economical accomplishment of the mission for which the travel is being performed. Documentation must be provided to substantiate non-availability of coach or tourist if business or first class is proposed to accomplish travel requirements.

(3) When transportation by privately owned conveyance (POC) is authorized, the contractor shall be paid on a mileage basis not to exceed the applicable Government transportation rate specified in the travel regulations cited in FAR 31.205-46(a)(2) and is authorized in writing by the Government per paragraph (a).

(4) When transportation by privately owned (motor) vehicle (POV) is authorized, required travel of contractor personnel, that is not commuting travel, may be paid to the extent that it exceeds the normal commuting mileage of such employee. When an employee's POV is used for travel between an employee's residence or the Permanent Duty Station and one or more alternate work sites within the local area, the employee shall be paid mileage for the distance that exceeds the employee's commuting distance.

(5) When transportation by a rental automobile, other special conveyance or public conveyance is authorized, the contractor shall be paid the rental and/or hiring charge and operating expenses incurred on official business (if not included in the rental or hiring charge). When the operating expenses are included in the rental or hiring charge, there should be a record of those expenses available to submit with the receipt. Examples of such operating expenses include: hiring charge (bus, streetcar or subway fares), gasoline and oil, parking, and tunnel tolls.

(6) Definitions:

(i) "Permanent Duty Station" (PDS) is the location of the employee's permanent work assignment (i.e., the building or other place where the employee regularly reports for work.

(ii) "Privately Owned Conveyance" (POC) is any transportation mode used for the movement of persons from place to place, other than a Government conveyance or common carrier, including a conveyance loaned for a charge to, or rented at personal expense by, an employee for transportation while on travel when such rental conveyance has not been authorized/approved as a Special Conveyance.

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(iii) “Privately Owned (Motor) Vehicle (POV)” is any motor vehicle (including an automobile, light truck, van or pickup truck) owned by, or on a long-term lease (12 or more months) to, an employee or that employee’s dependent for the primary purpose of providing personal transportation, that:

- (a) is self-propelled and licensed to travel on the public highways;
- (b) is designed to carry passengers or goods; and
- (c) has four or more wheels or is a motorcycle or moped.

(iv) “Special Conveyance” is commercially rented or hired vehicles other than a POC and other than those owned or under contract to an agency.

(v) “Public Conveyance” is local public transportation (e.g., bus, streetcar, subway, etc) or taxicab.

(iv) “Residence” is the fixed or permanent domicile of a person that can be reasonably justified as a bona fide residence.

EXAMPLE 1: Employee’s one way commuting distance to regular place of work is 7 miles. Employee drives from residence to an alternate work site, a distance of 18 miles. Upon completion of work, employee returns to residence, a distance of 18 miles.

In this case, the employee is entitled to be reimbursed for the distance that exceeds the normal round trip commuting distance (14 miles). The employee is reimbursed for 22 miles ($18 + 18 - 14 = 22$).

EXAMPLE 2: Employee’s one way commuting distance to regular place of work is 15 miles. Employee drives from residence to an alternate work site, a distance of 5 miles. Upon completion of work, employee returns to residence, a distance of 5 miles.

In this case, the employee is not entitled to be reimbursed for the travel performed (10 miles), since the distance traveled is less than the commuting distance (30 miles) to the regular place of work.

EXAMPLE 3: Employee’s one way commuting distance to regular place of work is 15 miles. Employee drives to regular place of work. Employee is required to travel to an alternate work site, a distance of 30 miles. Upon completion of work, employee returns to residence, a distance of 15 miles.

In this case, the employee is entitled to be reimbursed for the distance that exceeds the normal round trip commuting distance (30 miles). The employee is reimbursed for 30 miles ($15 + 30 + 15 - 30 = 30$).

EXAMPLE 4: Employee’s one way commuting distance to regular place of work is 12 miles. In the morning the employee drives to an alternate work site (45 miles). In the afternoon the employee returns to the regular place of work (67 miles). After completion of work, employee returns to residence, a distance of 12 miles.

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In this case, the employee is entitled to be reimbursed for the distance that exceeds the normal round trip commuting distance (24 miles). The employee is reimbursed for 100 miles ($45 + 67 + 12 - 24 = 100$).

EXAMPLE 5: Employee's one way commuting distance to regular place of work is 35 miles. Employee drives to the regular place of work (35 miles). Later, the employee drives to alternate work site #1 (50 miles) and then to alternate work site #2 (25 miles). Employee then drives to residence (10 miles).

In this case, the employee is entitled to be reimbursed for the distance that exceeds the normal commuting distance (70 miles). The employee is reimbursed for 50 miles ($35 + 50 + 25 + 10 - 70 = 50$).

EXAMPLE 6: Employee's one way commuting distance to regular place of work is 20 miles. Employee drives to the regular place of work (20 miles). Later, the employee drives to alternate work site #1 (10 miles) and then to alternate work site #2 (5 miles). Employee then drives to residence (2 miles).

In this case, the employee is not entitled to be reimbursed for the travel performed (37 miles), since the distance traveled is less than the commuting distance (40 miles) to the regular place of work.

H-10 EMPLOYMENT OF NAVY PERSONNEL RESTRICTED (DEC 1999) (5252.209-9206)

In performing this contract, the Contractor will not use as a consultant or employ (on either a full or part-time basis) any active duty Navy personnel (civilian or military) without the prior approval of the Contracting Officer. Such approval may be given only in circumstances where it is clear that no law and no DOD or Navy instructions, regulations, or policies might possibly be contravened and no appearance of a conflict of interest will result.

H-11 REQUIRED INFORMATION ASSURANCE AND PERSONNEL SECURITY REQUIREMENTS FOR ACCESSING GOVERNMENT INFORMATION SYSTEMS AND NONPUBLIC INFORMATION (AUG 2011) (5252.237-9603)

(a) Definition. As used in this clause, "sensitive information" includes:

(i) All types and forms of confidential business information, including financial information relating to a contractor's pricing, rates, or costs, and program information relating to current or estimated budgets or schedules;

(ii) Source selection information, including bid and proposal information as defined in FAR 2.101 and FAR 3.104-4, and other information prohibited from disclosure by the Procurement Integrity

Act (41 USC 423);

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(iii) Information properly marked as “business confidential,” “proprietary,” “procurement sensitive,” “source selection sensitive,” or other similar markings;

(iv) Other information designated as sensitive by the Space and Naval Warfare Systems Command (SPAWAR).

(b) In the performance of the contract, the Contractor may receive or have access to information, including information in Government Information Systems and secure websites. Accessed information may include “sensitive information” or other information not previously made available to the public that would be competitively useful on current or future related procurements.

(c) Contractors are obligated to protect and safeguard from unauthorized disclosure all sensitive information to which they receive access in the performance of the contract, whether the information comes from the Government or from third parties. The Contractor shall—

(i) Utilize accessed information and limit access to authorized users only for the purposes of performing the services as required by the contract, and not for any other purpose unless authorized;

(ii) Safeguard accessed information from unauthorized use and disclosure, and not discuss, divulge, or disclose any accessed information to any person or entity except those persons authorized to receive the information as required by the contract or as authorized by Federal statute, law, or regulation;

(iii) Inform authorized users requiring access in the performance of the contract regarding their obligation to utilize information only for the purposes specified in the contract and to safeguard information from unauthorized use and disclosure.

(iv) Execute a “Contractor Access to Information Non-Disclosure Agreement,” and obtain and submit to the Contracting Officer a signed “Contractor Employee Access to Information Non-Disclosure Agreement” for each employee prior to assignment;

(v) Notify the Contracting Officer in writing of any violation of the requirements in (i) through (iv) above as soon as the violation is identified, no later than 24 hours. The notice shall include a description of the violation and the proposed actions to be taken, and shall include the business organization, other entity, or individual to whom the information was divulged.

(d) In the event that the Contractor inadvertently accesses or receives any information marked as “proprietary,” “procurement sensitive,” or “source selection sensitive,” or that, even if not properly marked otherwise indicates the Contractor may not be authorized to access such information, the Contractor shall (i) Notify the Contracting Officer; and (ii) Refrain from any further access until authorized in writing by the Contracting Officer.

(e) The requirements of this clause are in addition to any existing or subsequent Organizational Conflicts of Interest (OCI) requirements which may also be included in the contract, and are in addition to any personnel security or

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Information Assurance requirements, including Systems Authorization Access Request (SAAR-N), DD Form 2875, Annual Information Assurance (IA) training certificate, SF85P, or other forms that may be required for access to Government Information Systems.

(f) Subcontracts. The Contractor shall insert paragraphs (a) through (f) of this clause in all subcontracts that may require access to sensitive information in the performance of the contract.

(g) Mitigation Plan. If requested by the Contracting Officer, the contractor shall submit, within 45 calendar days following execution of the "Contractor Non-Disclosure Agreement," a mitigation plan for Government approval, which shall be incorporated into the contract. At a minimum, the mitigation plan shall identify the Contractor's plan to implement the requirements of paragraph (c) above and shall include the use of a firewall to separate Contractor personnel requiring access to information in the performance of the contract from other Contractor personnel to ensure that the Contractor does not obtain any unfair competitive advantage with respect to any future Government requirements due to unequal access to information. A "firewall" may consist of organizational and physical separation; facility and workspace access restrictions; information system access restrictions; and other data security measures identified, as appropriate. The Contractor shall respond promptly to all inquiries regarding the mitigation plan. Failure to resolve any outstanding issues or obtain approval of the mitigation plan within 45 calendar days of its submission may result, at a minimum, in rejection of the plan and removal of any system access.

H-12 INFORMATION ASSURANCE CONTRACTOR TRAINING AND CERTIFICATION (JAN 2008) (252.239-7001)

(a) The Contractor shall ensure that personnel accessing information systems have the proper and current information assurance certification to perform information assurance functions in accordance with DoD 8570.01-M, Information Assurance Workforce Improvement Program. The Contractor shall meet the applicable information assurance certification requirements, including –

(1) DoD-approved information assurance workforce certification appropriate for each category and level as listed in the current version of DoD 8570.01-M; and

(2) Appropriate operating system certification for information assurance technical positions as required by DoD 8570.01-M.

(b) Upon request by the Government, the Contractor shall provide documentation supporting the information assurance certification status of personnel performing information assurance functions.

(c) Contractor personnel who do not have proper and current certifications shall be denied access to DoD information systems for the purpose of performing information assurance functions.

H-13 AUTHORIZED CHANGES ONLY BY THE CONTRACTING OFFICER (JAN 1992) (5252.243-9600)

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(a) Except as specified in paragraph (b) below, no order, statement, or conduct of Government personnel who visit the Contractor's facilities or in any other manner communicates with

Contractor personnel during the performance of this contract shall constitute a change under the Changes clause of this contract.

(b) The Contractor shall not comply with any order, direction or request of Government personnel unless it is issued in writing and signed by the Contracting Officer, or is pursuant to specific authority otherwise included as a part of this contract.

(c) The Contracting Officer is the only person authorized to approve changes in any of the requirements of this contract and notwithstanding provisions contained elsewhere in this contract, the said authority remains solely the Contracting Officer's. In the event the contractor effects any change at the direction of any person other than the Contracting Officer, the change will be considered to have been made without authority and no adjustment will be made in the contract price to cover any increase in charges incurred as a result thereof. The address and telephone number of the Contracting Officer is:

NAME: Melissa Hawkins

ADDRESS: 4301 Pacific Highway, San Diego, CA 92110

TELEPHONE: (858) 537-0423

E-MAIL: melissa.hawkins@navy.mil

H-14 ENTERPRISE CONTRACTOR MANPOWER REPORTING APPLICATION (ECMRA)

The Contractor shall report ALL Contractor labor hours (including subcontractor labor hours) required for performance of services provided under this Task Order for the Space and Naval Warfare Systems Command (SPAWAR) via a secure data collection site. The Contractor is required to completely fill in all required data fields using the following web address <https://doncmra.nmci.navy.mil>.

Reporting inputs (from Contractors) will be for the labor executed during the period of performance during each Government fiscal year (FY), which runs October 1 through September 30. While inputs may be reported any time during the FY, all data shall be reported no later than October 31 of each year. Contractors may direct questions to the help desk, linked at <https://doncmra.nmci.navy.mil>.

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SECTION I CONTRACT CLAUSES

Note: Unless otherwise indicated all basic contract clauses are hereby invoked for this Task Order

I-1 OPTION TO EXTEND THE TERM OF THE CONTRACT (MAR 2000) (52.217-9)

(a) The Government may extend the term of this contract by written notice to the Contractor within 30 days prior to completion of the base period; provided that the Government gives the Contractor a preliminary written notice of its intent to extend at least 60 days before the contract expires. The preliminary notice does not commit the Government to an extension.

(b) If the Government exercises this option, the extended contract shall be considered to include this option clause.

(c) The total duration of this contract, including the exercise of any options under this clause, shall not exceed five (5) years.

I-2 LIMITATIONS ON SUBCONTRACTING (NOV 2011) (52.219-14)

(a) This clause does not apply to the unrestricted portion of a partial set-aside.

(b) Applicability. This clause applies only to--

(1) Contracts that have been set aside or reserved for small business concerns or 8(a) concerns;

(2) Part or parts of a multiple-award contract that have been set aside for small business concerns or 8(a) concerns; and

(3) Orders set aside for small business or 8(a) concerns under multiple-award contracts as described in 8.405-5 and 16.505(b)(2)(i)(F).

(c) By submission of an offer and execution of a contract, the Offeror/Contractor agrees that in performance of the contract in the case of a contract for --

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(1) Services (except construction). At least 50 percent of the cost of contract performance incurred for personnel shall be expended for employees of the concern.

(2) Supplies (other than procurement from a non-manufacturer of such supplies). The concern shall perform work for at least 50 percent of the cost of manufacturing the supplies, not including the cost of materials.

(3) General construction. The concern will perform at least 15 percent of the cost of the contract, not including the cost of materials, with its own employees.

(4) Construction by special trade contractors. The concern will perform at least 25 percent of the cost of the contract, not including the cost of materials, with its own employees.

I-3 EVALUATION OF COMPENSATION FOR PROFESSIONAL EMPLOYEES (FEB 1993) (52.222-46)

(a) Recompensation of service contracts may in some cases result in lowering the compensation (salaries and fringe benefits) paid or furnished professional employees. This lowering can be detrimental in obtaining the quality of professional services needed for adequate contract performance. It is therefore in the Government's best interest that professional employees, as defined in 29 CFR 541, be properly and fairly compensated. As part of their proposals, offerors will submit a total compensation plan setting forth salaries and fringe benefits proposed for the professional employees who will work under the contract. The Government will evaluate the plan to assure that it reflects a sound management approach and understanding of the contract requirements. This evaluation will include an assessment of the offeror's ability to provide uninterrupted high-quality work. The professional compensation proposed will be considered in terms of its impact upon recruiting and retention, its realism, and its consistency with a total plan for compensation. Supporting information will include data, such as recognized national and regional compensation surveys and studies of professional, public and private organizations, used in establishing the total compensation structure.

(b) The compensation levels proposed should reflect a clear understanding of work to be performed and should indicate the capability of the proposed compensation structure to obtain and keep suitably qualified personnel to meet mission objectives. The salary rates or ranges must take into account differences in skills, the complexity of various disciplines, and professional job difficulty. Additionally, proposals envisioning compensation levels lower than those of predecessor contractors for the same work will be evaluated on the basis of maintaining program continuity, uninterrupted high-quality work, and availability of required competent professional service employees. Offerors are cautioned that lowered compensation for essentially the same professional work may indicate lack of sound management judgment and lack of understanding of the requirement.

(c) The Government is concerned with the quality and stability of the work force to be employed on this contract. Professional compensation that is unrealistically low or not in reasonable relationship to the various job categories, since it may impair the Contractor's ability to attract and retain competent professional service employees, may be viewed as evidence of failure to comprehend the complexity of the contract requirements.

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(d) Failure to comply with these provisions may constitute sufficient cause to justify rejection of a proposal.

I-4 SUBCONTRACTS – (OCT 2010) (52.244-2)

(a) Definitions. As used in this clause—

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

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

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

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

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

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

(2) Is fixed-price and exceeds—

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

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

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

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

(i) A description of the supplies or services to be subcontracted.

(ii) Identification of the type of subcontract to be used.

(iii) Identification of the proposed subcontractor.

(iv) The proposed subcontract price.

(v) The subcontractor's current, complete, and accurate certified cost or pricing data and Certificate of Current Cost or Pricing Data, if required by other contract provisions.

(vi) The subcontractor's Disclosure Statement or Certificate relating to Cost Accounting Standards when such data are required by other provisions of this contract.

(vii) A negotiation memorandum reflecting -

(A) The principal elements of the subcontract price negotiations;

(B) The most significant considerations controlling establishment of initial or revised prices;

(C) The reason certified cost or pricing data were or were not required;

(D) The extent, if any, to which the Contractor did not rely on the subcontractor's certified cost or pricing data in determining the price objective and in negotiating the final price;

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(E) The extent to which it was recognized in the negotiation that the subcontractor's certified cost or pricing data were not accurate, complete, or current; the action taken by the Contractor and the subcontractor; and the effect of any such defective data on the total price negotiated;

(F) The reasons for any significant difference between the Contractor's price objective and the price negotiated; and

(G) A complete explanation of the incentive fee or profit plan when incentives are used. The explanation shall identify each critical performance element, management decisions used to quantify each incentive element, reasons for the incentives, and a summary of all trade-off possibilities considered.

(2) The Contractor is not required to notify the Contracting Officer in advance of entering into any subcontract for which consent is not required under paragraph (b), (c), or (d) of this clause.

(f) Unless the consent or approval specifically provides otherwise, neither consent by the Contracting Officer to any subcontract nor approval of the Contractor's purchasing system shall constitute a determination -

(1) Of the acceptability of any subcontract terms or conditions;

(2) Of the allowability of any cost under this contract; or

(3) To relieve the Contractor of any responsibility for performing this contract.

(g) No subcontract or modification thereof placed under this contract shall provide for payment on a cost-plus-a-percentage-of-cost basis, and any fee payable under cost-reimbursement type subcontracts shall not exceed the fee limitations in FAR 15.404-4(c)(4)(i).

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

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

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

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**I-5 RESTRICTIONS ON THE USE OF MANDATORY ARBITRATION AGREEMENTS (DEC 2010)
(252.222-7006)**

(a) Definitions. As used in this clause—

“Covered subcontractor” means any entity that has a subcontract valued in excess of \$1 million, except a subcontract for the acquisition of commercial items, including commercially available off-the-shelf items.

“Subcontract” means any contract, as defined in Federal Acquisition Regulation subpart 2.1, to furnish supplies or services for performance of this contract or a higher-tier subcontract thereunder.

(b) The Contractor—

(1) Agrees not to—

(i) Enter into any agreement with any of its employees or independent contractors that requires, as a condition of employment, that the employee or independent contractor agree to resolve through arbitration—

(A) Any claim under title VII of the Civil Rights Act of 1964; or

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(B) Any tort related to or arising out of sexual assault or harassment, including assault and battery, intentional infliction of emotional distress, false imprisonment, or negligent hiring, supervision, or retention; or

(ii) Take any action to enforce any provision of an existing agreement with an employee or independent contractor that mandates that the employee or independent contractor resolve through arbitration—

(A) Any claim under title VII of the Civil Rights Act of 1964; or

(B) Any tort related to or arising out of sexual assault or harassment, including assault and battery, intentional infliction of emotional distress, false imprisonment, or negligent hiring, supervision, or retention; and

(2) Certifies, by signature of the contract, that it requires each covered subcontractor to agree not to enter into, and not to take any action to enforce, any provision of any existing agreements, as described in paragraph (b)(1) of this clause, with respect to any employee or independent contractor performing work related to such subcontract.

(c) The prohibitions of this clause do not apply with respect to a contractor's or subcontractor's agreements with employees or independent contractors that may not be enforced in a court of the United States.

(d) The Secretary of Defense may waive the applicability of the restrictions of paragraph (b) of this clause in accordance with Defense Federal Acquisition.

**I-6 REPRESENTATIONS RELATING TO COMPENSATION OF FORMER DOD OFFICIALS
(252.203-7005) (NOV 2011)**

(a) Definition. "Covered DoD official" is defined in the clause at [252.203-7000](#), Requirements Relating to Compensation of Former DoD Officials.

(b) By submission of this offer, the offeror represents, to the best of its knowledge and belief, that all covered DoD officials employed by or otherwise receiving compensation from the offeror, and who are expected to undertake activities on behalf of the offeror for any resulting contract, are presently in compliance with all post-employment restrictions covered by 18 U.S.C. 207, 41 U.S.C. 2101-2107, and 5 CFR parts 2637 and 2641, including Federal Acquisition Regulation 3.104-2.

I-7 CLAUSES INCORPORATED BY REFERENCE (FEB 1998) (52.252-2)

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

<http://farsite.hill.af.mil/>

<http://www.arnet.gov/far/>

The following clauses are incorporated in this Task Order in addition to the clauses included in the Basic Seaport Contract, Section I.

52.203-16	Preventing Personal Conflicts of Interest	DEC 2011
52.204-10	Reporting Executive Compensation and First Tier Subcontract Award	FEB 2012
52.219-6	Notice of Total Small Business Set-Aside	NOV 2011
52.223-18	Encouraging Contractor Policies To Ban Text Messaging While Driving	AUG 2011
252.204-7012	Safeguarding of Unclassified Controlled Technical Information	NOV 2013
252.211-7013	Rights in Technical Data - Noncommercial Items	JUN 2013
252-227-7014	Rights in Noncommercial Computer Software and Noncommercial Computer Software Documentation	MAY 2013
252.242-7005	Contractor Business Systems	FEB 2012
252.242-7006	Accounting System Administration	FEB 2012

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SECTION J LIST OF ATTACHMENTS

Exhibit A-CDRLs

Exhibit A-CDRL 0001 Attachment 1

Exhibit A-CDRL 0001 Attachment 2

Attachment 1-Performance Work Statement, dated 01 March 2016

Attachment 2-Contract Security Classification Specification, DD Form 254, dated 14 June 2016

Attachment 3-Quality Assurance Surveillance Plan (QASP)

Attachment 4-Allotment of Funds, Base

Attachment 5-Allotment of Funds, Option One

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1.0 INTRODUCTION

Program Office Executive for Command, Control, Communications, Computers, and Intelligence (PEO C4I), Navy Communications and Global Positioning System (GPS) Navigation Program Management Warfare/Air Office 170 (PMW/A 170) is responsible for the acquisition, integration, delivery, and support of communications and navigation systems for global Naval forces. PMW/A 170 provides and supports interoperable, cost-effective communications and Position, Navigation, and Timing (PNT) services, enabling information dominance for maritime forces. This Task Order is for engineering support services required to support the acquisition, development, procurement, testing, fielding, End to End (E2E) system integration and operations and support of PMW/A 170 military and commercial communications and PNT systems.

2.0 BACKGROUND

PMW/A 170 acquires a wide variety of communications and GPS based PNT systems throughout the Naval enterprise that support the Naval global mission. These systems are installed and operated on surface, subsurface, and airborne platforms deployed worldwide. The communications and GPS-based PNT systems procured by PMW/A 170 are key enablers for global voice, video, and data information exchange systems as well as fleet-wide GPS-based PNT services. E2E enterprise efforts impacting PMW/A 170 portfolio, which improve the interoperability and mission effectiveness of products and services, are included in this performance work statement.

The PMW/A 170 vision is that of assured, resilient communications and GPS navigation, anytime, anywhere. The mission of PMW/A 170 is to provide and support interoperable, cost-effective communications and GPS-based PNT, enabling information dominance for maritime forces. This vision and mission supports all PEO C4I strategic objectives, including that of being the C4I provider of choice. In executing its mission, PMW/A 170 works closely with all key stakeholders in the Naval communications and GPS-based PNT enterprise, including fleet users, maintainers, requirements developers, resource sponsors, combatant commanders, other services (Marines, Army, and Air Force), as well as organizations that build key components of the enterprise (such as satellites).

PMW/A 170 Communications and GPS Navigation Program Office supports the following programs:

Commercial Satellite Communications (COMSATCOM): COMSATCOM systems satisfy many military communications requirements with reliable, high-capacity, secure, and cost-effective telecommunications. Satellites provide a solution to the challenge of communication with highly mobile forces deployed worldwide. Satellites also provide an alternative to large, fixed ground installations. They provide almost instantaneous military communications throughout the world. The COMSATCOM division consists of the following programs:

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Commercial Broadband Satellite Program (CBSP) (ACAT III), Commercial Wideband Satellite Program (CWSP) (ACAT III), Naval Senior Leadership Communications–Aircraft (NSLC-A) (project under CBSP). The Contractor shall support the listed programs within the division as well as additional programs or projects that may be added to the PMW/A 170 portfolio during the contract period of performance. Support under this contract will include funds received from other Government Activities to support integration efforts into PMW/A 170 programs/projects.

Military Satellite Communications (MILSATCOM): Navy Multiband Terminal (NMT) (ACAT IC), Global Broadcast Service (GBS) (ACAT III), Environmental Satellite Receiver Processor (ESRP) SMQ-11 (ACAT IVT) and FMQ-17 (AAP), Iridium, Wide Area Modem (WAM, falls under NMT) and Time Division Multiple Access (TDMA) Interface Processor (TIP) and Advanced TIP (ATIP, falls under NMT). The Contractor shall support the listed programs within the division as well as additional programs or projects that may be added to the PMW/A 170 portfolio during the contract period of performance. Support under this contract will include funds received from other Government Activities to support integration efforts into PMW/A 170 programs/projects.

Tactical Communications (TACCOM): Tactical communications is a reliable means of communication in which some systems are restricted in the distance over which the user can communicate. VHF and UHF radio frequencies propagate principally along Line of Sight (LOS) paths, while HF frequencies can propagate beyond line of sight (BLOS). VHF and UHF LOS communications are used extensively by the Navy and Marine Corps. UHF SATCOM communications are used extensively by the Army and Navy Expeditionary Forces. HF communications are the primary method used for communications with Allied/Coalition partners when SATCOM is unavailable. These mediums are used for both tactical and non-tactical circuits, and can be set up for secure and non-secure communications. They are utilized extensively to communicate with allied nations during exercise or operations. The Tactical Communications division consists of the following programs: Digital Modular Radio (DMR) (ACAT III), Battle Force Tactical Network (BFTN) (ACAT III), Joint Aerial Layer Network-Maritime (Pre-ACQ: demonstration), Portable Radios Program (PRP) (Project) Network Tactical Common Data Links (NTCDL) (ACAT III) and ship-to-shore tactical communications efforts in support of the USMC and Expeditionary Forces. The Contractor shall support the listed programs within the division as well as additional programs or projects that may be added to the PMW/A 170 portfolio during the contract period of performance. Support under this contract will include funds received from other Government Activities to support integration efforts into PMW/A 170 programs/projects.

Navigation: Navigation principles rely heavily on GPS technology. GPS is an all-weather, radio based, satellite navigation system that enables users to accurately determine three-dimensional positions, velocity, and time worldwide. Navigation is accomplished by passive multi-lateration. GPS Navigation is employed by all military services and uses ships, aircraft and ground units to provide accurate global positioning. The Navigation division consists of the following programs: Navigation Warfare Air (Air NAVWAR) (ACAT III), Navigation Warfare Sea (Sea NAVWAR)

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(ACAT III), GPS-based Positioning, Navigation, and Timing Service (GPNTS) (ACAT III). The Contractor shall support the listed programs within the division as well as additional programs or projects that may be added to the PMW/A 170 portfolio during the contract period of performance. Support under this contract will include funds received from other Government Activities to support integration efforts into PMW/A 170 programs/projects.

Fleet Readiness Directorate (FRD): The FRD (Legacy Comms) division consists of the Super High Frequency (SHF) (ACAT II), Satellite Communications and Navy Extremely High Frequency (EHF) Satellite program (NESP) (ACAT IC), International Maritime Satellite (INMARSAT) (ACAT III), and Television Direct-to-Sailor (TV-DTS) (ACAT IVM). The Contractor shall support the listed programs within FRD as well as additional SATCOM programs or projects that may be added to FRD in the future. The Contractor shall support the listed programs within FRD as well as additional programs or projects that may be added to FRD in the future.

3.0 SCOPE

The objective of this Task Order is to obtain systems engineering, production management and installation support services required to support the development, procurement, testing, and fielding of PMW/A 170 programs and systems. This task will be performed at both the overall PMW “front-office” and individual program and “direct support” level(s).

Contractor services shall include assisting managers with specification development, testing, production, product development and installation of hardware and software systems. The Contractor shall support research and development of PMW/A 170 communications and PNT systems, ensuring product technical specifications are consistent with operational requirements. The Contractor shall assist PMW/A 170 managers with review and evaluation of design data and documentation by providing technical representation on project teams and working groups, ensuring system level requirements are properly developed, providing system architecture development services, and supporting the Configuration Control Board (CCB) process.

4.0 APPLICABLE DIRECTIVES

The Contractor shall adhere to all DOD and SECNAV (Secretary of the Navy) 5000 series acquisition guidance, directives and policies in the performance of this Task Order and in accordance with paragraph 5.0 Performance Requirements and 6.0 Deliverables. Additional directives associated with this Task Order are provided in Appendix 1 of this Performance Work Statement (PWS).

5.0 PERFORMANCE REQUIREMENTS

The Contractor shall perform the following tasks in accomplishing the requirements of this Task Order. The Contractor shall provide the necessary timely assistance to meet program emergent

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requirements as established and requested by the Program Manager (PM) or other properly designated authority. In addition, the Contractor shall perform, document and deliver the outputs/work products stipulated for each task in accordance with the requirements stated in each task and the directives listed in Section 4.0 Applicable Directives/Documents and Appendix 1 of this PWS, unless otherwise directed by the PM or his/her authorized representative. All required written documentation: reports, plans, analyses, briefing materials etc, shall be complete, submitted within established timeframes and in accordance with format and accuracy standards prescribed by the PM. The Contractor shall support the Technical Director, as well as PMW/A 170 Communications and GPS Navigation Program Office programs listed in Section 2.0 of this PWS. The Contractor shall interface with operational and staff Navy/DoD personnel (i.e. SYSCOMS (Systems Commands) and fleet commanders).

5.1 Systems Engineering Services (O&M, N)

The Contractor shall provide fielded systems engineering support and technical support in the acquisition of system hardware and software, integration planning and tracking, configuration management, as well as updates to engineering documentation. The Contractor shall analyze, and evaluate life cycle support plans for Navy communications and PNT equipment related to integration and fielding. The Contractor shall prepare Analysis of Alternatives (AoAs), White Papers, Trade Studies, analyses, architectural documents, risk assessments, and roadmaps to support the communications and PNT strategies in concert with changing fleet requirements.

The Contractor shall assist in the identification of issues and alternatives, analysis of fielded operations, equipment operations, concept of operations, analysis of processes, evaluation of technical issues, and review of technical specifications to ensure systems meet fleet requirements. The Contractor shall develop schematics and architectural diagrams as required for Initial Capability Document (ICD)/Capability Development Document (CDD)/Capability Production Document (CPD) submissions.

The Contractor shall provide technical representation at Integrated Product Teams (IPTs), Program Management Reviews (PMRs) and working groups involved in the implementation of Prime Mission Product (PMP) contracts, engineering changes, testing documentation, fielding procedures and plans, decision briefs, and assist in the analysis of operations and reduction of program risk per applicable risk management plans. The Contractor shall prepare the necessary technical reports and presentations. Deliverables shall be prepared in accordance with Contract Data Requirements Lists (CDRLs) A001-A004.

5.1.1 Spectrum Management: The Contractor shall monitor and track all spectrum issues related to international, national, and DoD use of commercial SATCOM including Federal Communications Commission (FCC) regulatory issues affecting Earth Stations Aboard Vessels (ESV); current FCC Notice of Proposed Rule Making (NPRM) and National Telecommunications & Information Administration (NTIA) provisions; Electromagnetic Interference issues; and current Fixed Pier and In-Motion C-Band operations regulations. The

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Contractor shall develop, track, review, and report on DD Form 1494's for all SATCOM and PNT systems, and support the development or revisions to any Fixed Satellite Service licensing including Host Nation Approval (HNA), vendor certification of SATCOM terminals, and Prior Coordination Notice (PCN) studies. The Contractor shall provide input and recommendations as required to support drafting of Commercial SATCOM lease RFPs (Requests for Proposals), RFQs (Requests for Quotes), RFIs (Requests for Information), Task Orders, and SOWs (Statements of Work). The Contractor shall provide reports as requested on spectrum issues. The Contractor shall maintain PMW/A 170 DD Form 1494 files and spectrum requests, researching the information as requested.

5.1.2 Configuration Management: The Contractor shall provide Systems Engineering Services support as the Configuration Manager performing configuration management tasks and activities in compliance with the PMW/A 170 Configuration Management Plan (CMP) process while staying in alignment with the PEO C4I Life Cycle Configuration Management Implementation Manual (LCCMIM) and the SPAWARINST 4130.3 Life Cycle Configuration Management (CM) Policy. The contractor shall comply with CM requirements in this document and as tailored in the contract. The Contractor shall develop all required configuration management documentation necessary to participate in configuration management IPTs and working groups. The Contractor shall provide technical representation and coordinate with Navy platform systems integration organizations such as NAVSEA and NAVAIR Systems Command, Fleet and Type Commands as well as associated organizations including C4I and Combat Modernization Process (C5IMP) to provide configuration management planning support. The Contractor shall summarize all coordination efforts in a monthly status report.

5.1.2.1 Configuration Identification: The Contractor shall use the CM process to ensure identification and labeling structure is used in compliance with the PEO C4I Naming and Numbering Standard and the PMW/A 170 CMP for all PMW/A 170 Government Furnished Equipment (GFE)/Government Furnished Information (GFI) to include physical hardware configuration items and the configuration documentation representing or comprising a physical hardware configuration item. The Contractor shall ensure that configuration baselines are captured, maintained, managed and reported by generating a technical baseline report as required in accordance with PMW/A 170 CMP and the SPAWARINST 4130.3 CM Policy. The Contractor shall ensure each succeeding baseline is traceable to, and a detailed extension of, its predecessor(s).

5.1.2.2 Configuration Control: The Contractor shall facilitate PMW/A 170 Configuration Control Boards (CCB) to ensure the functions; responsibility and authority of CCBs are followed in accordance with the PMW/A 170 CMP change management process to implement Enterprise Change Requests (ECRs). The Contractor shall provide technical representation at IPTs and working groups to comply with the SHIPMAIN installation process and procedures involved with implementing Ship Change Documents (SCDs) that enable the processing of Ship Alterations (SA), Field Changes (FC), and Engineering Changes (EC).

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5.1.2.3 Configuration Status Accounting: The Contractor shall maintain the validity of product data and documentation by storing valid data within five days after approval and ensuring recorded product configuration information is adequately secured, safeguarded and retrievable in accordance with the PMW/A 170 CMP. The contractor shall perform activities for creating, editing, reviewing, approving, releasing, publishing and distributing product.

5.1.3 Performance Metrics: The Contractor shall track performance metrics and standards in the execution of task order requirements. These metrics will be used to monitor Task Order execution, establish meaningful out-year Task Order performance requirements, performance measures and assist in business process re-engineering of Government procedures. The Contractor shall identify and track all deliverables submitted to the Government both in draft and final form which are developed under this Task Order. The Contractor shall maintain a listing of all deliverables submitted to the Government in performance of Task Order Requirements. This listing of deliverables will be included as a part of the monthly report. The Contractor shall also identify any additional reference documents applicable and/ or used by the Contractor to support these Task Order Requirements. This listing of references by Task Order requirement will be included as a part of the Contractor's monthly report.

5.1.4 Spectrum Relocation: The Contractor shall provide engineering support and technical support in the acquisition of system hardware and software, integration planning and tracking, configuration management, as well as updates to engineering documentation in support of spectrum relocation efforts. The Contractor shall analyze, develop, and evaluate life cycle support plans for systems affected by spectrum relocation related to integration and fielding. The Contractor shall prepare AoAs, White Papers, Trade Studies, analyses, architectural documents, risk assessments, and roadmaps to support spectrum relocation strategies in concert with changing fleet requirements.

The Contractor shall assist in the identification of issues and alternatives, analysis of fielded operations, equipment operations, concept of operations, analysis of processes, evaluation of technical issues, and review of technical specifications to ensure systems meet fleet requirements. The Contractor shall develop schematics and architectural diagrams as required for document submissions. The Contractor shall provide technical representation at IPTs, PMRs and working groups involved in the implementation of PMP contracts, engineering changes, testing documentation, fielding procedures and plans, decision briefs, and assist in the analysis of operations and reduction of program risk per applicable risk management plans.

5.2 Systems Engineering Services (OPN)

The Contractor shall provide engineering support in the production of all PMW/A 170 programs of record. The Contractor shall provide Program specific expert engineering and technical assessment to support participation in a wide variety of working groups addressing diverse sets of issues related to PNT in a naval environment; diverse sets of issues related to end-to-end tactical communications connectivity in a naval environment and diverse sets of issues related to

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end-to-end satellite communications connectivity in a naval environment. The Contractor shall support the Technical Director, as well as PMW/A 170 Communications and GPS Navigation Program Office programs listed in Section 2.0 of this PWS. Deliverables shall be prepared in accordance with CDRLs A001-A004.

5.2.1 Production Support: The Contractor shall assess platform production issues and alternatives for issue resolution, perform producibility and risk analysis, research technical issues, review technical specifications to ensure deliveries meet contract specifications, drawings and reports, and make technical recommendations. Activities also include topside issue resolution, systems integration, interface control, systems testing, environmental testing, specifications review, travel as directed to attend meetings and production test events.

The Contractor shall provide technical representation at IPTs and working groups involved in the implementation of PMP contracts, engineering changes, production testing documentation, fielding procedures and plans, decision briefs, and assist in the reduction of program risk per applicable risk management plans. The Contractor shall prepare the necessary technical reports and presentations for the IPTs and working groups.

The Contractor shall assist in the coordination between PMW/A 170 and Navy platform topside production and integration organizations (i.e., NAVSEA Systems Command, PEOs, shipyards, planning yards, design activities, PEO C4I platform integration offices (PMW 740, PMW 750, PMW 760, PMW 770, etc.). The Contractor shall provide technical representation and prepare briefs for project team meetings and working groups, including the Communications Requirements Working Group, NAVSEA Topside Warrant Holder Topside Working Group, PNT Requirement Working Group, and Military GPS User Equipment (MGUE) Lead Platform Integration Working Group. The Contractor shall submit the required briefs for approval no later than four (4) days prior to the meeting. Required changes shall be made and submitted for review no later than four (4) hours before the meeting. All coordination activities shall be summarized in the monthly report.

The Contractor shall assist in the coordination of production engineering changes with Navy platform systems organizations such as Naval Sea Systems Command (NAVSEA); Fleet and Type Commands; associated organizations with C4I and Combat Modernization Process (C5IMP); and internal SPAWAR and PEO Configuration Control Boards (CCBs). The Contractor shall coordinate between PMW/A 170 and PEO C4I platform integration offices, NAVSEA 06, and the SHIPMAIN process, including providing inputs to the Afloat Master Planning System (AMPS) and Navy Data Environment (NDE) website. All Contractor coordination efforts shall be summarized in the CCB tracker report.

The Contractor shall assist in the review and evaluation of production design data and acceptance test documentation from PMW/A 170 Programs Of Records (PORs) and project environmental tests. The Contractor shall assist PMW/A 170 in the review and update of the MIL-S-901D shock specification to MIL-DTL-901E. The Contractor shall prepare shock qualification, waiver

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and deficiency letters for PMW/A 170 PORs and projects. The Contractor shall submit evaluations, production design changes resulting from ECs/FCs, recommendations and letters as required for proper program/project execution and scheduling.

The Contractor shall coordinate system Electromagnetic Compatibility (EMC) shipboard certifications for PMW/A 170 PORs and projects. The Contractor shall coordinate between PMW/A 170, Shipboard EMC Improvement Panel (SEMCIP), and NSWC-Dahlgren with respect to Electromagnetic Interference (EMI) issues. The Contractor shall ensure the appropriate MIL-STD-461/464 requirements are included in PMW/A 170 PORs and project specifications, review production acceptance test plans and identify EMI issues from the SEMCIP Technical Assistance Network (STAN). The Contractor shall assist in the review and evaluation of production design data and documentation as it relates to all platform integration issues, including the updating of the PMW/A 170 platform integration matrices. The Contractor shall submit recommendations to PMW/A 170 Assistant Program Managers (APM) with respect to EMC/EMI specifications and issues.

5.2.2 Installation Support Services: The Contractor shall document recommended changes to support schedule deadlines, and submit them to the PMW/A 170 Installation Manager and appropriate APM.

The Contractor shall work with internal and external agencies to expedite the installation processes, assisting the appropriate APM to develop fielding plans meeting schedule and process critical path time lines. The Contractor shall support installation issue resolution, ensure installation status accuracy, assess areas of potential risk and work with the PMW/A 170 Installation Manager and appropriate APM to resolve installation issues. The Contractor shall coordinate all installation issues through the PMW/A 170 Installation Manager and appropriate APM to ensure PMW/A 170 program objectives are met. The Contractor shall summarize all activities in a monthly report.

The Contractor shall review, provide recommended changes and provide impact assessments with respect to installation issues. The Contractor shall provide recommendations to the APM, based on the reviews and assessments to meet emergent requirements for PMW/A 170 PORs and projects for current and proposed versions of C4I Network Centric Warfare (NCW) Roadmap, SHIPMAIN, FRP/C5IMP Fielding Plans and the execution work plan SPAWAR Integrated Data Environment (SPIDER).

The Contractor shall update SPIDER database with installation and fielding plans in support of installations including assisting in reconciling of C4I NCW Roadmap, SHIPMAIN, and FRP/C5IMP Fielding Plans. The Contractor shall review the integrity of the SPIDER database for all PMW/A 170 PORs and projects ensuring that SPIDER reflects the current fielding plans of the PMW/A 170 PORs and projects based on Program Objective Memorandum (POM) and FYDP identified by the PMW/A 170 APMs to meet emergent requirements in PORs or project execution.

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5.2.3 Configuration Management: The contractor shall comply with CM requirements as outlined in section 5.1.2 to provide engineering support in the production of all PMW/A 170 programs and participate in a wide variety of working groups to coordinate efforts between internal and external entities for current and proposed versions, address configuration management issues, provide impact assessments, review proposed deviations and capture necessary technical documentation to meet baseline management requirements in support of fielding plans and installations.

5.2.4 Spectrum Relocation: The Contractor shall provide expert engineering and technical assessment to support participation in spectrum relocation working groups addressing diverse sets of issues related to systems being relocated due to the sale of the U.S government's radio Frequency spectrum. The Contractor shall provide technical assistance at IPTs and working groups involved in the relocation of systems because of radio frequency spectrum sales to include PMP contracts, engineering changes, production testing documentation, fielding procedures and plans, decision briefs, and assist in the reduction of program risk per applicable risk management plans. The Contractor shall assist in the preparation of necessary technical reports and presentations for the IPTs and working groups.

The Contractor shall assess platform production issues and alternatives for issue resolution, perform producibility and risk analysis, research technical issues, review technical specifications to ensure deliveries meet contract specifications, drawings and reports, and make technical recommendations. Activities also include topside issue resolution, systems integration, interface control, systems testing, environmental testing, specifications review, travel as directed to attend meetings and production test events.

The Contractor shall work with internal and external agencies to expedite the installation processes, assisting the APM(s) to develop fielding plans meeting schedule and process critical path time lines. The Contractor shall support installation issue resolution, ensure installation status accuracy, assess areas of potential risk and work with the PMW/A 170 Installation Manager and the APM(s) to resolve installation issues. The Contractor shall coordinate all installation issues through the PMW/A 170 Installation Manager and APM(s) to ensure PMW/A 170 program objectives are met.

The Contractor shall develop, review and execute documentation, specifically SCD, FC Bulletin (FCB), and Engineering Change Order (ECO)), deviations, waivers, and schedule impacts to PMW/A 170 PORs and projects. The Contractor shall prepare documentation for the SPIDER, NAVSEA NDE/AMPS CCB, and RMMCO online integration and installation tools.

5.3 Systems Engineering Services (RDT&E)

The Contractor shall perform systems analysis and engineering functions related to existing or potential Navy Communications and GPS-Based PNT systems and related systems aboard naval

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ships, submarines and aircraft. The Contractor shall also support Assured PNT efforts and Military GPS User Equipment acceleration efforts both as part of the Navigation portfolio and as part of larger efforts supporting Navy and OSD objectives that are led and/or coordinated by PMW/A 170. Contractor support shall include advising PMW/A 170 and preparing briefs and documents related to communications and GPS and non-GPS navigation theory, communications link margin analysis, modulation and coding theory, electromagnetic propagation, systems theory, Radio Frequency (RF) electronic devices, interference removal technology and anti-jam modem technology, digital intermediate frequency technology, phased array antennas, and solid-state physics, GPS signal in space protection, and alternate non-GPS navigation sources. The Contractor shall provide recommendations and plans for implementation of advanced Systems Engineering concepts across Navy communications and GPS-based PNT programs, perform analysis of competing technologies, recommend design approaches and technical solutions for Navy Communications and GPS-based PNT systems, and provide technical interface to other PMWs and outside agencies to ensure seamless end-to-end systems integration. The Contractor shall participate in Joint Aerial Layer Network-Maritime (JALN-M) and Joint Space Communications Layer (JSCL) efforts as directed.

The Contractor shall conduct, participate in, and/or prepare Trade Studies, AoAs, and White Papers as directed. The Contractor shall submit work products and provide recommendations within the timeframe specified. The Contractor shall support the Technical Director, as well as PMW/A 170 Communications and GPS Navigation Program Office programs listed in Section 2.0 of this PWS. Deliverables shall be prepared in accordance with CDRLs A001-A004.

5.3.1 Systems Architecture Development: The Contractor shall provide systems engineering support services and communications and GPS-based PNT system analysis services required for the development of communications and GPS-based PNT architectures described in the Joint Space Communications Layer (JSCL), the Joint Aerial Layer Network-Maritime (JALN-M) the Range of Warfare Command and Control (ROWC2), Anti-Access/Area Denial (A2AD), Wide Area Modem (WAM), AEHF Adaptive Coding (AC), Unmanned Aerial Systems, and Aegis Ashore efforts, Department of Defense Global Positioning System (GPS) Security Policy; DoD PNT Directive; DoD Precise Time and Time Interval (PTTI) Management Instruction; and CJCS Master Positioning, Navigation, and Timing Plan (MPNTP). This includes architecture development, and conducting analysis of alternatives, trade studies, and risk assessment for communications and GPS-based PNT architectural alternatives. It also includes out year budget planning (e. g. POM) and Joint Capabilities Integration and Development System (JCIDS) requirements documentation development. The Contractor shall travel to any meetings/forums necessary to execute the support described in this paragraph. Contractor-prepared briefs, correspondence, white papers, and issue papers shall be submitted and approved by the Technical Director (TD), APM-E, and appropriate APM for content.

The Contractor shall provide technical advice and assessment on technical issues affecting PMW/A 170 PORs and projects in developmental stages. The Contractor shall support acquisition team efforts to develop architectural diagrams required to submit ICDs/CDDs/CPDs

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and ISPs for all PMW/A 170 PORs. The Contractor shall develop architectural diagrams in accordance with the Department of Defense Architecture Framework (DoDAF). The Contractor shall develop, maintain, and update, as required, the PMW/A 170 platform bandwidth throughput projection and capability products. The Contractor shall perform communications and PNT architecture studies, conduct trade studies, provide communications and PNT AoAs, perform commercial and military communications and PNT analysis, cost benefit analysis and perform link budget analysis for various communications loading alternatives. The Contractor shall interface directly with other elements (e.g. SPAWAR, NAVSEA, MARCORSYSCOM) to coordinate and synchronize activities, assessments, and projections. The Contractor shall support acquisition team efforts to develop products in support of PMW/A 170 solicitations. The Contractor shall submit all documentation within the timeframe specified.

5.3.2 Requirements, Interfaces, and Integration: The Contractor shall provide systems engineering requirements support services required for the integration of baseband and communications and PNT products, as well as providing systems engineering support services regarding requirements, interfaces and interface control for all PMW/A 170 systems. The Contractor shall advise on all shore-related, teleport, Global Information Grid (GIG), and spacecraft interface and engineering issues and requirements, as well as Automated Digital Network System (ADNS) interfaces. The Contractor shall support data calls and prepare briefs for shore-related communications and PNT issues, coordinating between of PMW/A 170 and all shore infrastructure activities. The Contractor shall provide technical representation on working groups and conduct coordination with SPAWAR 5.0, NAVSEA 05, AIR 4.0, NETWARCOM, Naval Cyber Forces, and OPNAV and other organizations as required. The Contractor shall provide the requested engineering expertise for proper management of integration activities as assigned, as well as management of interfaces. The Contractor shall support acquisition team efforts to develop products in support PMW/A 170 solicitations. The Contractor shall submit all documentation for approval in the format and timeframe required.

5.3.3 Future Planning: The Contractor shall support development of the Network Centric Warfare (NCW) Roadmap and Master Plan, and coordinate with the PEO C4I platform integration codes (PMW 740, PMW 750, PMW 760, PMW 770, etc.). This includes POM future planning, including requirements and capabilities based system migration strategy development. The Contractor shall support development of all data calls, prepare briefs and advise external organizations for all PMW/A 170 communications and PNT issues including generating the PMW/A 170 Navy Communications and Navigation Roadmaps and Master Plan for future planning.

5.3.4 Spectrum Management: The Contractor shall provide spectrum support for all commercial and military communications and GPS Navigation PORs and projects managed by PMW/A 170. The Contractor shall develop and process Spectrum Allocations Applications (DD Form 1494), Joint Frequency (J/F) 12 papers for Host Nation Coordination, and frequency proposals, as required for each acquisition milestone, for National and International processing and coordination for all PMW/A 170 systems. The Contractor shall coordinate between PMW/A

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170, Federal Communications Commission (FCC) Frequency Management Offices, Defense Spectrum Office (DSO), and Shipboard EMC Improvement Panel (SEMCIP) for spectrum coordination issues with respect to PMW/A 170 PORs and projects. The Contractor shall prepare monthly reports detailing the status and issues of all PMW/A 170 programs/projects. The Contractor shall prepare briefings to satisfy PMW/A 170 spectrum requirements. The Contractor shall complete and submit Spectrum Allocation Applications to meet program schedule requirements. All coordination activities with outside offices and departments shall be summarized in the monthly spectrum status report. The Contractor shall support the PMW/A 170 TD and APM-E on all spectrum-related matters.

5.3.5 Test and Evaluation: The Contractor shall provide systems engineering project management support and subject matter expertise in support of Test and Evaluation (T&E) events to include reliability growth test, shock and vibration tests, performance tests, software tests and other Government acceptance tests as directed by the APM. The Contractor will interact with the PMP Contractor and be onsite as required to witness all developmental tests and to provide oversight and expertise. The Contractor will conduct engineering review and analysis of technical test report documentation to include review all related developmental test CDRLs. The Contractor shall aid in strategic level technical and interfacing with Commander Operational Test and Evaluation Force (COMOPTEVFOR), and OPNAV in accordance with the T&E policies and procedures defined in the DoD 5000. The Contractor shall attend T&E conferences and meetings in support of the program, assist in the coordination and preparation of documentation in support of program test events (i.e., T&E strategies, Test and Evaluation Master Plan (TEMP), and system performance specifications), and provide support in evaluating DoN/DoD statutory and regulatory requirements for T&E events.

5.3.6 Advisory and Management Support: The Contractor shall provide systems engineering management and subject matter expertise to support technical and programmatic reviews at the Contractor's facilities. The Contractor shall interface with the contract Production Engineer for programmatic and technical issues. The Contractor shall provide pre-production engineering management and subject matter expertise. The Contractor shall provide systems engineering program management support and subject matter expertise. The Contractor shall provide technical and management leadership for the design, development, and test to support future enhancements. The Contractor shall participate in community forums and joint system definition and requirement generation to ensure that Navy requirements are included in all system level documents.

5.3.7 Security Systems: The Contractor shall coordinate Communications Security (COMSEC), software release(s), and other security related issues with the Program Office (PO) and the National Security Agency (NSA). Contractor coordination efforts shall result in advancing the program and resolving pertinent program issues. The Contractor shall provide a summary of all coordination efforts in the monthly report.

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The Contractor shall attend all technical reviews. During these reviews, the Contractor shall provide expert input and recommendations on security issues to PMW/A 170 and the PMP Contractor. The Contractor shall review security and system related CDRLs, provide leadership for DITSCAP/DIACAP and Risk Management Framework (RMF) certification, and support vendor DVT and security certification. The Contractor shall participate in community forums regarding system security. The Contractor shall ensure all input and recommendations are coordinated with the APM, NSA and PMP Contractor.

5.3.8 Risk Management: The Contractor shall execute and maintain a comprehensive risk management plan for required programs. The Contractor shall develop, manage, and update a risk database, evaluate and present program risks to senior management that is consistent with current DOD standards. The Contractor shall use their risk management technical knowledge to interface with PMW/A 170 and PMP contract personnel. The Contractor shall develop, analyze and submit risk management documentation with mitigation suggestions to the APM in accordance with program schedules and milestones.

5.3.9 Spectrum Relocation: The Contractor shall perform systems analysis and engineering functions related to Navy Communications systems affected by spectrum sales as they relate to systems aboard naval ships and ashore. The Contractor shall provide systems engineering support services for systems affected by spectrum sales and conduct system analysis services required for the development of system architectures. The Contractor shall provide the requested engineering expertise for proper management of integration activities as assigned, as well as management of interfaces. The Contractor shall support acquisition team efforts to develop products in support PMW/A 170 solicitations. The Contractor shall support development of the Network Centric Warfare (NCW) Roadmap and Master Plan, and coordinate with the PEO C4I platform integration codes (PMW 750, PMW 760, PMW 770 and PMW 790): this includes POM future planning, including requirements and capabilities based system migration strategy development. The Contractor shall support development of all data calls, prepare briefs and advise external organizations for systems affected by spectrum sales including providing input to the PMW/A 170 Navy Communications and Navigation Roadmaps and Master Plan for future planning.

The Contractor shall provide systems engineering project management support and subject matter expertise in support of T&E events to include reliability growth test, shock and vibration tests, performance tests, software tests and other Government acceptance tests as directed by the APM. The Contractor will interact with the PMP Contractor and be onsite as required to witness all developmental tests and to provide oversight and expertise. The Contractor will conduct engineering review and analysis of technical test report documentation to include review of all related developmental test CDRLs. The Contractor shall aid in strategic level technical and interfacing with Commander Operational Test and Evaluation Force (COMOPTEVFOR), and OPNAV in accordance with the T&E policies and procedures defined in the DoD 5000. The Contractor shall attend T&E conferences and meetings in support of systems affected by spectrum sales and relocation, assist in the coordination and preparation of documentation in

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support of test events (i.e., T&E strategies, TEMP, and system performance specifications), and provide support in evaluating DoN/DoD statutory and regulatory requirements for T&E events.

5.4 Systems Engineering Services (FMS)

Deliverables shall be prepared in accordance with CDRLs A001-A004.

5.4.1 Case Management Support: The Contractor shall manage all processes efforts related to the International Partner Variant (IPV) Program, including: IP variant cost estimates; IP payment plans; processes and vehicles; IP PMP Contractor performance and development specifications; IP variant schedules; and IP variant Integrated Logistics Support (ILS) documents. The Contractor shall ensure the IPV Program provides IP requirements, IP equipment procurement, IP delivery planning and IP installation planning. The Contractor shall document and maintain all IPV Program files. The Contractor shall support the management team as assigned. The Contractor shall assist with answering international partner requests for hardware/services; develop price and availability quotes; draft Letters of Offer and Acceptance in the Defense Security Assistance Management System and develop cost estimates using the USN cost model as a baseline, adding the appropriate Foreign Military Sales (FMS) surcharges. The Contractor shall submit the necessary documentation to the FMS Program Manager for review and approval within the required timeframe.

The Contractor shall provide direct programmatic and technical support to the FMS Case Manager. The Contractor shall participate in design reviews, IPT meetings and program reviews as well as International Partner Working Groups and meetings. The Contractor shall provide assistance in the preparation of acquisition documentation; FMS case documentation, project plans and guidance documents, including strategic plans and roadmaps to support the IPV program that addresses organizational approaches.

The Contractor shall assist in the coordination of COMSEC, software release, and other security related issues with the Navy International Program Office (IPO) and the National Security Agency (NSA). The Contractor shall provide a summary of all coordination efforts in the monthly report. During these reviews, the Contractor shall provide expert input and recommendations on security issues to PMW/A 170 and PMP Contractors. The Contractor shall ensure all input and recommendations are coordinated with the FMS Program Manager, NSA and the PMP Contractor.

The Contractor shall interface with international partners (e.g. Canada, Netherlands and the United Kingdom). The Contractor shall review program documentation, plans and contracts to ensure US policies are followed, including foreign disclosure; technical assistance by US and foreign contractors; technology releasability; NSA policy; funding policy and offsets. The Contractor shall identify issues and make recommendations to the FMS Program Manager with respect to security issues and federal international export law. The Contractor shall respond to

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PMW/A 170 concerns and questions, researching applicable guidelines and statutory requirements as necessary for proper program execution.

5.4.2 Program Coordination

5.4.2.1 Engineering Support: The Contractor shall provide engineering support for the International Partners (e.g. Canada, the Netherlands and the United Kingdom) on the IPV Program engineering team. The Contractor shall be responsible for the review and analysis of OEM Contractor developed specifications and Interface Control Documents (ICD's). The Contractor shall:

- (1) Develop and review IPV engineering documents, as assigned;
- (2) Provide technical expertise in the IPV requirements generation and architecture development processes;
- (3) Assist in performing concept evaluation studies, developing technology insertion recommendations, and generating technical white papers;
- (4) Perform tradeoff analyses to support the development efforts;
- (5) Participate in design reviews and technical interchange meetings associated with the IPV.

The Contractor shall coordinate all requests for support through the FMS Program Manager, APM, ensuring all actions, documentation, reviews and recommendations are in accordance with the IPV Program, and update IPV Program files for all approved actions and decisions.

5.5 Systems Engineering Services (SCN)

Deliverables shall be prepared in accordance with CDRLs A001-A004.

5.5.1 Technical Director: The Contractor shall provide systems engineering management support services for Navy and USCG ships (e.g. CVN, DDG 51, DDG 1000, JHSV, LHD/LHA, LCS, etc.). Specific hulls will be identified with each funding increment.

5.6 Systems Engineering Services (APN)

Deliverables shall be prepared in accordance with CDRLs A001-A004.

5.6.1 Production Scheduling/Planning: The Contractor shall provide systems engineering services to include monitoring of GFE/GFI government commitments, evaluating production requirements (including the procurement of long-lead material and review of production material receipt), recommending the distribution of production assets from the PMP contractor. The Contractor shall perform evaluation of production design data, system drawings, and requirement traceability matrixes and production memos and reports, to ensure production deliveries meet production contract specifications. The Contractor shall review GPS programmatic and technical documentation, performance requirements, GPS performance specifications, and identify technology gaps between GPS systems that rely on GPS (ex. JPALS) programs. The Contractor

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shall assess impacts and determine risks for modifying GPS to meet requirements. The Contractor shall review production documentation and Contractor analysis as it relates to GPS. The Contractor shall assist the program office and acquisition manager in GPS integration and production planning through creating and tracking of acquisition documentation, acquisition security documentation, and review of logistic documentation for milestone decisions integral to the execution of the production program for integration.

6.0 DELIVERABLES

The Contractor shall provide the deliverables listed below in accordance with the listed schedule. Deliverables shall be prepared in accordance with CDRLS A001-A004. Performance evaluation will be in accordance with paragraph 7.0 of the PWS.

Task	Schedule	APPN			
Acquisition Plan and Acquisition Strategy Update	As Required	OMN			
Analysis of Alternatives	As Required			RDTE	
Analysis of Production Operations Plans	As Required	OMN			
Analysis of Production Quality Assurance Plans	As Required	OMN			
Briefs/Presentations	As Required, NLT 4 working days prior to meeting	OMN	OPN	RDTE	FMS
Certification/Date Report	Every 3 Months	OMN	OPN	RDTE	FMS
Change Requests	As Required			RDTE	
Communications Architecture Studies	As Required			RDTE	
Conduct review of System and Equipment Technical Manuals resulting from ECO and product baseline changes	As Required, Within 30 Days of OEM Delivery		OPN		
Contractor's Progress, Status and Management Report	Monthly	OMN	OPN	RDTE	FMS
Cost, Schedule and Technical Baselines	As Required			RDTE	
Create and/or update Logistics Engineering documentation, presentations and reports	As Required	OMN	OPN	RDTE	FMS
Delivery Plans for Equipment Sub-Systems	As Required	OMN			
Delivery Schedule Analysis	As Required			RDTE	
Develop and Update Technical and Acquisition Documentation Reviews	As Required			RDTE	
Develop Meeting Minutes/Action Item Lists	Weekly, and	OMN	OPN	RDTE	FMS

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Task	Schedule	APPN			
	As Required, NLT 3 days following meeting				
Develop Specifications, Proposal, and Contract Requirements	As Required			RDTE	
Develop Various System Business Case Analysis (BCA(s))	As Required		OPN	RDTE	FMS
Develop, plan and execute system integration and test activities	As Required			RDTE	
Develop, Review and Revise Division User Handbooks	As Required		OPN	RDTE	
Develop/ Update Program Support Plan(s)	As Required	OMN	OPN	RDTE	FMS
Document Deviations	As Required			RDTE	
Draft ICDs and Specifications	As Required			RDTE	
Draft SCD, CBA, EC, FC	As Required	OMN			
DTRR and OTRR – Briefs and Reports	As Required	OMN			
Engineering and Technical Assessments	As Required	OMN	OPN		
Engineering Change Orders (ECO)	As Required	OMN			
Engineering, Planning and Scheduling Analysis	As Required			RDTE	
Formulate and Track Delivery Plans	As Required		OPN		
Funding Management Reports	As Required			RDTE	FMS
GFE/GFI Tracking Matrix	As Required	OMN			
Installation/Fielding Plans and Schedules	As Required		OPN		
Interactive Toolkit CD-ROM	As Required	OMN			
Link Budget Analysis	As Required			RDTE	
Navy CONOPS Document	As Required	OMN			
Navy Program Notebook	As Required, Monthly	OMN			
Plans of Actions and Milestones (POA&M)	As Required	OMN	OPN	RDTE	
Point and Issue Papers	As Required	OMN	OPN		
Production Engineering Change Orders	As Required	OMN			
Products Delivery Schedule Update	Monthly	OMN			
Program Risk Development and Tracking	As Required	OMN			
Reclammas	As Required	OMN			

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Task	Schedule	APPN			
Reconciliation Report of C4I ROADMAP, SHIPMAIN, FRP/C5IMP Fielding Plans with Respect to POM and Current Budget	As Required		OPN		
Reconciliation Report of Differences Between SPIDER, NC50/60's and FRP for install, and DSA costs and Schedules Planned Installation	As Required		OPN		
Review and Update Installation Databases To Accurately Reflect Installation Configurations	As Required, NLT A-2 prior to EDM/ LRIP installation.		OPN		
Review Government EDM and LRIP SIDs, SCDs, and SARs.	As required to support EDM/ LRIP installation and develop ILS Certification.			RDTE	
Review Production ICDs/ SIDs, SCDs, and SARs.	As required to support production terminal fielding and installation.		OPN		
Revise Program Supportability Analysis and Recommendations to Document Product Baseline Changes.	As Required/ directed by other procuring activity.		OPN		
Revise Program Training Analysis and Recommendations to Document Product Baseline Changes.	As Required/ directed by other procuring activity.		OPN		
Security Briefs/Presentations	As Required			RDTE	FMS
Security Tiger Team Reports	As Required			RDTE	FMS
Shore Architecture analysis	As Required			RDTE	
Specification/Requirements Development and Reviews	As Required		OPN	RDTE	
Technical Analysis	As Required	OMN		RDTE	
Terminal Suite ICD Development	As Required			RDTE	
Track GFE/GFI Commitments	As Required		OPN		

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Task	Schedule	APPN			
Track Receiver Card Development, Integration, and Testing	As Required			RDTE	
Tradeoff Analysis, Evaluation Studies, Technology Insertion Recommendations, and Technical White Papers	As Required			RDTE	
Trip Report	As required, 5 working days after completion of trip	OMN	OPN	RDTE	FMS
Update Action Item DataBase	As Required	OMN		RDTE	FMS
Update APM Tracker List	As Required, Weekly	OMN			
Update CCB Tracker Spreadsheet	As Required, Weekly		OPN		
Update CCB Training Materials	As Required, Quarterly		OPN		
Update Communications Roadmap	As Required			RDTE	
Update Communications Ship Configuration Matrix	As Required			RDTE	
Update Communications Terminal to Platform Matrix	As Required			RDTE	
Update Cyber Security Database	As Required	OMN			
Update Delivery Schedules	As Required			RDTE	FMS
Update Integration Topside Design Process and Requirements Worksheets	As Required		OPN		
Update Platform Integration Matrices	As Required, Monthly		OPN		
Update Risk Management Database/Plan	As Required			RDTE	FMS
Update/Develop Communications Equipment Frequency Allocation (DD1494s)	As Required	OMN		RDTE	

7.0 QUALITY ASSURANCE

7.1 Quality Assurance Surveillance Plan (QASP)

The QASP (see task order QASP attachment) will be used to monitor performance and to identify the required documentation and the resources to be employed. The QASP provides a means for evaluating whether the Contractor is meeting the performance standards/quality levels

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identified in the PWS. Under this plan the Government will assess overall Contractor performance

7.2 Quality Assurance Program Plan (QAPP)

The QAPP is the Contractor's quality control plan and shall include a detailed description of all methods, plan(s), processes or procedures to be utilized to ensure cost, quality, schedule and technical requirements are met. It shall include the Contractor's approach to managing and solving performance problems brought to their attention by the Contracting Officer's Representative (COR). (CDRL A005)

7.3 Contractor Performance Assessment Reporting System (CPARS)

Performance evaluation will be documented in the CPARS for this task order.

8.0 PERSONNEL QUALIFICATIONS**8.1 Required Personnel Qualifications.**

The Contractor shall submit resumes for Government review/approval for personnel performing on this task (this includes the addition or substitution of personnel). Each resume must clearly demonstrate compliance with the below personnel qualification requirements as it relates to the labor category for which they are being proposed. Upon review, and within a reasonable time, the Government, either the COR or the Contracting Officer, will inform the Contractor as to the acceptability of the proposed individuals as it relates to the below requirements. Please note, the Government, either the COR or the Contracting Officer, reserves the right, at its discretion, to waive required personnel qualifications on a case by case basis when in the best interest of the Government. For all personnel performing on this task the following qualifications are required:

8.1.1 Junior Level

- a. Bachelor's Degree, engineering preferred, from an accredited college or university
- b. 3 year of experience relevant to this PWS (An additional 2 years of relevant experience may be substituted for a Bachelor's degree, totaling 5 years of experience)

8.1.2 Mid- Level

- a. Bachelor's Degree, engineering preferred, from an accredited college or university
- b. 6 years of experience relevant to this PWS (An additional 4 years of relevant experience may be substituted for a Bachelor's degree, totaling 10 years of experience)

8.1.3 Senior Level

- a. Bachelor's Degree, (Master's Degree preferred), engineering preferred, from an accredited college or university)

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- b. 10 years of experience relevant to this PWS (An additional 5 years of relevant experience may be substituted for a Bachelor's degree, totaling 15 years of experience)

9.0 TRANSITION

A Kick-Off Meeting will be held no later than five (5) business days after contract award. The contractor and the Government will go over the contractor's detailed Contract Transition Plan provided in response to the RFP during that meeting. This transition plan describes the Contractor's proposed staffing plan to ensure the most effective and economic performance from date of contract award and throughout the duration of contract performance and how it will ensure the required level of personnel qualifications and experience will be met, as well as how personnel will be transitioned from/surged for tasks throughout the contractual period to meet the needs of the Government. The Contract Transition Plan shall describe the Contractor's corporate management and corporate resources, including internal and external communication lines and the Contractor's method for maintaining a close liaison with the COR, the identification of the contract program manager and program manager's authority and ability to independently commit company resources to perform under the contract; the Contractor's plan to ensure the most effective and economic performance from date of contract award and throughout the duration of contract performance. (CDRL A003)

In the event there is a follow on award and the incumbent is not the new contractor, the Contractor (of this task) shall provide status update on transitional efforts and the progress for being fully transitioned by 30 days after contract award.

10.0 SECURITY

The nature of this task requires access to classified information in accordance with the associated Form DD-254. A TOP SECRET facility security clearance is required with level of safeguarding up to SECRET.

All personnel performing on this task require access to Secret information. The nature of this task also requires access to Top Secret/Sensitive Compartmented Information (SCI) for work performed by up to five (5) Contractors, on an intermittent basis, will include access to Top Secret/SCI data, information, and spaces. Contractor personnel assigned to this effort who require access to SCI data and spaces must possess a current SSBI with ICD 704 eligibility (which replaced DCID 6/4 eligibility). The Contractor will be required to attend meetings classified at the Top Secret/SCI level. All SCI performance will occur at Government locations only.

Note: If foreign travel is required, all outgoing Country/Theater clearance message requests shall be submitted to the SSC PAC foreign travel team, Old Town Campus (OTC) 2, Rm 1656 for action. A Request for Foreign Travel form shall be submitted for each traveler, in advance of

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the travel to initiate the release of a clearance message at least 35 days in advance of departure. Each Traveler must also submit a Personal Protection Plan and have a Level 1 Antiterrorism/Force Protection briefing within one year of departure and a country specific briefing within 90 days of departure.

11.0 GOVERNMENT FURNISHED PROPERTY

No Government Furnished Property (GFP) will be required to perform this Task Order. The Government will provide building access identification badges, and access to appropriate reference material and databases necessary in the performance of this effort.

12.0 NAVY MARINE CORPS INTRANET (NMCI)

The nature of this task does not require Contractors to procure NMCI seats for personnel working at the Contractor site. The Government will have no more than 29 on-site NMCI seats available to support this task; of those 29 seats 26 will be located at SPAWAR OTC, two (2) at NAVAIR Patuxent River and one (1) at Los Angeles Air Force Base.

13.0 TASK ORDER PROGRAM MANAGEMENT AND ADMINISTRATION**13.1 Best Practices**

Work performed by the Contractor shall provide support and adhere to the PMW/A 170 and SPAWAR command-level “Best Practices” principles and policies incorporated in the SPAWAR Program Manager’s Toolkit Acquisition Support Office Guides (1) Acquisition Program Structure Guide; (2) Contract Management Process Guide; (3) Business and Financial Manager’s Manual; (4) Program Manager’s Handbook; (5) Scheduling Guide; (6) Systems Engineering Guide; (7) Technology Alignment Guide.

13.2 Contractor Employee Identification

For all services provided by the Contractor under this PWS and associated Task Order, the Contractor’s employees shall identify themselves as Contractor personnel by introducing themselves or being introduced as Contractor personnel and displaying distinguishing badges or other visible identification for meetings with Government personnel. Additionally, the Contractor’s personnel shall appropriately identify themselves as Contractor employees in telephone conversations and in formal and informal written correspondence.

14.0 TECHNICAL POINT OF CONTACT

Government Point of Contact:

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Ramona Bingham, PEO C4I – PMW/A 170 (619) 524-3617; Email: ramona.bingham@navy.mil.

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Appendix 1**Applicable Directives**

The following directives are provided as a reference to support the Contractor's performance and Government's acceptance of the products and services identified in this task. The Contractor shall follow the latest applicable policy/ guidance should a listed directive be replaced or superseded:

1. Defense Acquisition Guidebook.
2. ASN RD&A Memorandum: DMSMS Guidebook dated 25-May-05.
3. ASTM D 3951.98: Standard Practice for Commercial Packaging dated 11-Nov-98.
4. ASTM D 4169-05: Practice for Performance Testing of Shipping Containers and Systems.
5. ASTM D3951-98 (2004): Standard Practice for Commercial Packaging dated 1-May-04.
6. ASTM F 1166-95A: Standard Practice for Human Engineering Design for Marine Systems, Equipment, and Facilities.
7. CJCSI 3170.01I: Joint Capabilities Integration and Development System dated 03 Jan 2015
8. CJCSI 3231.01A: Safeguarding the Single Integrated Operational Plan (SOIP) dated 07-Jan-00.
9. Code of Federal Regulations 47cfr Part 25: Prior Coordination Notifications (PCN).
10. DASN (RD&A) ACQ DON Acquisition and Capabilities Guidebook dated 02-Jul-04.
11. DoD Ver 6: Joint Technical Architecture dated 03-Oct-03.
12. DoD 4100.38-M Department of Defense Provisioning and Other Procurements Screening Manual.
13. DoD 4100.39-M Federal Logistics Information System (FLIS) Procedures Manual dated 01-Oct-07.
14. DoD 4140.1-R Supply Chain Materiel Management Regulation dated 23-May-03.
15. DoD 4151.18-H Depot Maintenance Capacity and Utilization Measurement Handbook dated 10-Mar-07.
16. DoD Form DD1494: Application for Equipment Frequency Allocation.
17. DoDI 4151.19 Serialized Inventory Management (SIM) for Materiel Maintenance dated 26-Dec-06.
18. DoDI 4151.20 Depot Maintenance Core Capabilities Determination Process dated 05-Jan-07.
19. DoDI 4151.21 Depot Source of Repair (DSOR) Determination Process dated 25-Apr-07.
20. DoD 4500.9R Defense Transportation Regulation dated 03-May-04.
21. DoD Instruction 4630.8: Procedures for Interoperability and Supportability of Information Technology (IT) and National Security Systems (NSS) dated 30-Jun-04.
22. DoDD 5000.1 The Defense Acquisition System dated 12-May-03.

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23. DoD Instruction 5000.2: Operation of the Defense Acquisition System dated 12-May-03.
24. DoD Regulation 5000.2R: Mandatory Procedures for Major Defense Acquisition Programs dated 05-Apr-02.
25. DoDD 5000.4 Cost Analysis Improvement Group (CAIG) dated 24-Nov-92.
26. DoD Manual 5000.4M: DoDO Manual Cost Analysis Guidance and Procedures dated 01-Dec-92.
27. DoD 5105.38-M Security Assistance Management Manual (SAMM) dated 03-Oct-03.
28. DoD Instruction 5200.4: DoD Information Technology Security Certification and Accreditation Process (DITSCAP).
29. DoDI 8510.01 Department of Defense Information Assurance Certification and Accreditation Process (DIACAP) Instruction
30. DoDI 8510.01 Department of Defense Information Assurance Certification and Accreditation Process (DIACAP) Instruction
31. DoDD 8500.1: Cybersercurity dated 14 Mar 2014.
32. DUSD (AT&L) Department of Defense Guide to Uniquely Identifying Items Assuring Validation, Accountability and Control of Government Property.
33. DUSD (L&MR) Memo Life Cycle Sustainment Outcome Metrics dated 01-Mar-07.
34. DUSD (L&MR) Memo Public-Private Partnerships for Depot Management dated 30-Jan-02.
35. FED-STD-313D Material Safety Data, Transportation Data, and Disposal Data for Hazardous Materials Furnished to Government Activities dated 03-Apr-96.
36. ITU: International Telecommunications Union (ITU) Radio Regulations.
37. MIL-HDBK-61A (SE) Configuration Management Guidance dated 07-Feb-01.
38. MIL-HDBK-189 Reliability Growth Management dated 13-Feb-81.
39. MIL-HDBK-217F Reliability Prediction of Electronic Equipment dated 02-Dec-91.
40. MIL-HDBK-259 Life Cycle Cost In Navy Acquisitions dated 01-Apr-83.
41. MIL-HDBK-260 Reference Data for Logistics Metrics dated 07-Mar-97.
42. MIL-HDBK-263B Electrostatic Discharge Control Handbook for Protection of Electrical and Electronic Parts, Assemblies and Equipment.
43. MIL-HDBK-454B General Guidelines for Electronic Equipment dated 15 Apr 07
44. MIL-HDBK-470A Designing and Developing Maintainable Products and Systems.
45. MIL-HDBK-472 Maintainability Prediction dated 6 Aug 14.
46. MIL-HDBK-502A DoD Acquisition Logistics Handbook dated 30-May-97.
47. MIL-HDBK-773A Electrostatic Discharge Protective Packaging dated 30-Jun-05.
48. MIL-HDBK-781A Reliability Test Methods, Plans, and Environments for Engineering, Development Qualification, and Production dated 01-Apr-96.
49. MIL-HDBK-1839A Calibration and Measurement Requirements dated 27-Nov-00.
50. MIL-HDBK-29612-1A Guidance for Acquisition of Training Data Products and Services dated 31-Aug-01.
51. MIL-HDBK-29612-2A Instructional Systems Development/Systems Approach to Training and Education dated 31-Aug-01.

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52. MIL-P-24534A(Navy) Planned Maintenance System: Development of Maintenance Requirement Cards, Maintenance Index Pages, and Associated Documentation dated 07-May-85.
53. MIL-PRF-29612B Performance Specification Training Data Products dated 31-Aug-01.
54. MIL-PRF-49506 Performance Specification Logistics Management Information dated 11-Nov-96.
55. MIL-S-901D: Requirements for Shock Tests on Shipboard Machinery, Equipment and Systems dated 17-Mar-89.
56. MIL-STD-129P Military Marking for Shipment and Storage dated 10-Feb-04.
57. MIL-STD-130M Identification Marking for U. S. Military Property dated 02-Dec-05.
58. MIL-STD-167-1: Mechanical Vibrations of Shipboard Equipment (For Guidance Only).
59. MIL-STD-196E Joint Electronic Type Designation System Instruction dated 12-May-03.
60. MIL-STD-461F: Requirements for the Control of Electromagnetic Interference Emissions and Susceptibility. Dated 10 Dec 07
61. MIL-STD-781D Reliability Testing for Engineering Development, Qualification, and Production dated 17-Oct-86.
62. MIL-STD-882E Standard Practice for System Safety dated 11 May 12.
63. MIL-STD-1472G Design Criteria Standard Human Engineering dated 11 Jan 12.
64. MIL-STD-1839C Standard Practice for Calibration and Measurement Requirements dated 27-Nov-00.
65. MIL-STD-2073-1D DoD Standard Practice for Military Packaging dated 15-Dec-99.
66. NAVSEA/SPAWAR Technical Manual Management Program dated 01-Jul-00.
67. NAVEDTRA 130A Task Based Curriculum Development Manual Volume III Managers Guide of Jul-97.
68. NAVFAC P-80 Facility Planning Factor Criteria for Navy and Marine Corps Shore Installations.
69. NAVMAC Navy Total Force Manpower Requirements Handbook dated 01-Apr-00.
70. NAVPERS 18068F Manual of Navy Enlisted Manpower and Personnel Classifications and Occupations Standards dated 01-Jul-04.
71. NAVSEA Parts User Manual & PSD Desktop Guide.
72. NAVSEA 4734.1B NAVSEA Test, Measurement, and Diagnostic Equipment (TMDE) and Calibration Programs dated 08-Sep-04.
73. NAVSEA 9090-31D: Alterations to Ships Accompanied by Alteration Installation Teams (AITs) dated 04-Feb-04.
74. NAVSO P-3690 Acquisition Logistics for the Rest of Us dated 01-Sep-01.
75. NAVSO P-3692 Independent Logistics Assessment Handbook dated 01-Dec-03.
76. NAVSUP P485: Afloat Supply Procedures dated 03-Aug-05.
77. NAVSUPINST 4420.36B Program Support Data (PSD) for Interim, Initial and Follow-on Secondary Item Requirements dated 14-Aug-98.
78. NAVSUPINST 4423.29 Navy Uniform Source, Maintenance, and Recoverability (SM&R) dated 28-Jun-99.

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79. NAVSEALOGCEN CDMD Desk Guide.
80. NTIA: National Telecommunications and Information Systems Administration (NTIA) Manual of Regulations and Procedures for Federal Radio Frequency Management.
81. NPDC NAVEDTRA 43100-6 Personnel Qualification Standards (PQS) Catalog
82. NPRD-95 Non-Electronic Parts Reliability Data.
83. NSWC Standard 98/LE1 Handbook of Reliability Procedures for Mechanical Equipment.
84. OPNAV P-751-1-9-97 Navy Training Requirements Documentation Manual (NTRDM) dated 21-Jul-98.
85. OPNAV P-751-2-9-97 Training Planning Process Methodology (TRPPM) Guide dated 21-Jul-98.
86. OPNAV P-751-3-9-97 Training Planning Process Methodology (TRPPM) Manual dated 21-Jul-98.
87. OPNAVINST 1500.76B Naval Training System Requirements, Acquisition, and Management dated May 2010.
88. OPNAVINST 1540.55 Shipboard Training Enhancement Program (STEP) dated 28-Mar-94.
89. OPNAVINST 3000.12A Operational Availability of Equipment and Weapons Systems dated 02-Sep-03.
90. OPNAVINST 3500.34F Personal Qualification Standards (PQS) Program dated 13-Jun-05.
91. OPNAVINST 3960.16A Navy Test, Measurement, and Diagnostic Equipment (TMDE), Automated Test Systems (ATS), and Metrology and Calibration (METCAL) dated 04-Aug-05.
92. OPNAVINST 4423.4A Provisioning of End Items of Material dated 18-Aug-88.
93. OPNAVINST 4442.5 Readiness Based Sparing (RBS) dated 30-Jun-00.
94. OPNAVINST 4720.2G Fleet Modernization Program (FMP) Policy dated 10-Jun-02.
95. OPNAVINST 4790.4D Ships' Maintenance & Material Management (3-M) System Policy dated 23-Jan-04.
96. OPNAVINST 4790.14A Joint Depot Maintenance Program dated 31-Mar-99.
97. OPNAVINST 4790.16 Condition Based Maintenance (CBM) Policy dated 06-May-98.
98. OPNAVINST 5090.1B Environmental and Natural Resource Program Manual dated 04-Jun-03.
99. OPNAVINST 5100.19E Navy Occupational Safety and Health (NAVOSH) Program Manual for Forces Afloat dated 30-Aug-01.
100. OPNAVINST 5100.24B Navy System Safety Program Policy dated 06-Feb-07
101. OPNAVINST S5511.35K: Policy for Safeguarding the Single Integrated Operational Plan (SIOP) dated 01-Jul-98.
102. OPNAVINST 11102.1A Training System Installation and Transfer dated 18-Jul-06.
103. OSD (AT&L) PBL Memo Implementation of Performance Based Logistics dated 13-Feb-02.
104. PEO C4I INST 4081.1: SPAWAR Performance Based Logistics (PBL) Implementation Plan.

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105. S1000D International Specification for Technical Publications Utilizing a Common Source Database dated 01-May-05.
106. SECNAVINST 3960.6 Department of the Navy Policy & Responsibility for Test, Measurement, Monitoring, Diagnostic Equipment and Systems, and Metrology and Calibration (METCAL) Program dated 12-Oct-90.
107. SECNAVINST 4105.1A Integrated Logistics Assessment (ILA) and Certification Requirements dated 05-Mar-04.
108. SECNAVINST 5000.2C Implementation and Operation of the Defense Acquisition System and the Joint Capabilities Integration and Development System dated 19-Nov-04.
109. SECNAVINST 5200.39A Participation in the Government-Industry Data Exchange Program (GIDEP) dated 23-Dec-05.
110. SL720-AA-MAN-010 Fleet Modernization Program (FMP) Management and Operations Manual (Rev 2) dated 01-Aug-93.
111. SL720-AA-MAN-020 Fleet Modernization Program (FMP) Management and Operations Manual (Vol 2) dated 01-Aug-93.
112. SL720-AA-MAN-030 Surface Ships and Carriers Entitled Process (EP) for Modernization Management and Operations Manual.
113. SPAWARINST 1500.1: Integrated Battle Force Training (IBFT) Process dated 17-Aug-03.
114. SPAWARINST 1500.2: Consolidated SPAWAR/ PEO Training Process dated 14-Mar-03.
115. SPAWARINST 1500.3 Team SPAWAR Manpower, Personnel & Training Analysis and Planning Process dated 24-Feb-10
116. SPAWARINST 1500.4 Team SPAWAR Performance Solution Design Process dated 24-Feb-10
117. SPAWARINST 4000.10A Integrated Logistics Support Plan (ILSP) and Operational Logistics Support Summary (OLSS) for Electronics Systems and Equipment dated 01-Jun-81.
118. SPAWARINST 4105.1A Conduct of Logistics Assessment and Certification for Acquisition Programs and Systems.
119. SPAWARINST 4105.2 Integrated Logistics Support Certification Process for SPAWAR Systems Fielded Afloat dated 11-Mar-03.
120. SPAWARINST 4130.5 Handbook for Field Changes and Engineering Changes dated 05-Jan-04.
121. SPAWARINST 4160.3A SPAWAR and PEO C4I and Space Policy, Procedures, and Responsibilities for Technical Manual Management Operations and Life Cycle Support dated 19-Jul-04.
122. SPAWARINST 4400.13A Material Support Date (MSD) Management dated 18-Mar-98.
123. SPAWARINST 4410.1E Procedures for Assigning National Stock Number (NSN) and Cataloging SPAWAR Cognizance Material dated 20-Feb-92.

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124. SPAWARINST 4410.4B Policy and Procedures for the Request and Assignment of Military Nomenclatures, Serial Numbers, and Review and Approval of Identification Plate Formats dated 30-Oct-87.
125. SPAWARINST 5200.28: Shore Installation Process Handbook dated 01-Sep-99.
126. USD (A&T) Policy Letter, Implementing Cycle Time Reductions dated 09-Jul-99.
127. USD (AT&L) Guidebook Program Manager's Planning Roadmap for Implementing Item Unique Identification (IUID) Version 1.2 dated 10-Jun-05.
128. USD (AT&L) IUID Memo Policy Update for Item Unique Identification of Tangible Personal Property, Including Government Property in the Possession of Contractors dated 12-May-05.
129. USD (AT&L) Memo Total Life Cycle Systems Management and Performance Based Logistics - Designing and Assessing Supportability in DoD Weapon Systems: A Guide to Increased Reliability and Reduced Logistics Footprint dated 24-Oct-03.
130. USD (AT&L) Memo Total Life Cycle Systems Management (TLCSM) Metrics dated 22-Nov-05.
131. USD (AT&L) PBL Memo Purchasing Using Performance Based Criteria dated 16-Aug-04.