

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT	1. CONTRACT ID CODE	PAGE OF PAGES	
	U	1	2

2. AMENDMENT/MODIFICATION NO. 48	3. EFFECTIVE DATE 13-Aug-2013	4. REQUISITION/PURCHASE REQ. NO. 1300372412	5. PROJECT NO. (If applicable) N/A
6. ISSUED BY CODE	N00421	7. ADMINISTERED BY (If other than Item 6) CODE	S2101A

NAVAIR Aircraft Division Pax River
21983 BUNDY ROAD, Bldg 441
Patuxent River MD 20670
danielle.e.green@navy.mil 301-757-9789

DCMA Baltimore
217 EAST REDWOOD STREET, SUITE 1800
BALTIMORE MD 21202-5299

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) The MIL Corporation 4000 Mitchellville Road, Suite A210 Bowie MD 20716-3177	9A. AMENDMENT OF SOLICITATION NO.
	9B. DATED (SEE ITEM 11)
	10A. MODIFICATION OF CONTRACT/ORDER NO. N00178-05-D-4623-M801
	10B. DATED (SEE ITEM 13) 19-Sep-2007
CAGE CODE 0CA21	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.
<input type="checkbox"/>	
<input type="checkbox"/>	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
<input type="checkbox"/>	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
<input checked="" type="checkbox"/>	D. OTHER (Specify type of modification and authority) FAR 43.103(a)

E. IMPORTANT: Contractor is not, is required to sign this document and return 1 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

SEE PAGE 2

15A. NAME AND TITLE OF SIGNER (Type or print) Michael R. Means, Senior Pricing Specialist		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Donna L Voithoffer, Contracting Officer	
15B. CONTRACTOR/OFFEROR /s/Michael R. Means (Signature of person authorized to sign)	15C. DATE SIGNED 12-Aug-2013	16B. UNITED STATES OF AMERICA BY /s/Donna L Voithoffer (Signature of Contracting Officer)	16C. DATE SIGNED 13-Aug-2013

NSN 7540-01-152-8070
PREVIOUS EDITION UNUSABLE

30-105

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

CONTRACT NO. N00178-05-D-4623	DELIVERY ORDER NO. M801	AMENDMENT/MODIFICATION NO. 48	PAGE 2 of 2	FINAL
----------------------------------	----------------------------	----------------------------------	----------------	-------

GENERAL INFORMATION

The purpose of this modification is to de-obligate excess funding. Accordingly, said Task Order is modified as follows: 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 decreased from [REDACTED] by [REDACTED] to [REDACTED]

CLIN/SLIN	Type Of Fund	From (\$)	By (\$)	To (\$)
310002	TBD	[REDACTED]	[REDACTED]	[REDACTED]
310102	TBD	[REDACTED]	[REDACTED]	[REDACTED]

The total value of the order is hereby increased from [REDACTED] by [REDACTED] to [REDACTED]

CONTRACT NO. N00178-05-D-4623	DELIVERY ORDER NO. M801	AMENDMENT/MODIFICATION NO. 48	PAGE 1 of 67	FINAL
----------------------------------	----------------------------	----------------------------------	-----------------	-------

SECTION B SUPPLIES OR SERVICES AND PRICES

CLIN - SUPPLIES OR SERVICES

For Cost Type Items:

Item	PSC Code	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFI
1000	R425	Base (CPFF) - Engineering, technical and management support services for the Research, Development, Test and Evaluation (RDT&E) Infrastructure Division, in accordance with Section C Statement of Work and CDRLs (DD Form 1423) attached hereto. (TBD)	1.0	LO			
100001	R425	Funding for CLIN 1000 (TBD)					
100002	R425	Funding for CLIN 1000 (TBD)					
100003	R425	Funding for CLIN 1000 (TBD)					
100004	R425	Funding for CLIN 1000 (TBD)					
100005	R425	Funding for CLIN 1000 (TBD)					
100006	R425	Funding for CLIN 1000 (TBD)					
100007	R425	Funding for CLIN 1000 (TBD)					
100008	R425	Funding for CLIN 1000 (TBD)					
100009	R425	Funding for CLIN 1000 (TBD)					
100011	R425	Funding for CLIN 1000 (TBD)					
100012	R425	Funding for CLIN 1000 (TBD)					
100013	R425	Funding for CLIN 1000 (TBD)					
100014	R425	Funding for CLIN 1000 (TBD)					

CONTRACT NO. N00178-05-D-4623	DELIVERY ORDER NO. M801	AMENDMENT/MODIFICATION NO. 48	PAGE 2 of 67	FINAL
----------------------------------	----------------------------	----------------------------------	-----------------	-------

100015 R425	Funding for CLIN 1000 (TBD)			
100016 R425	Funding for CLIN 1000 (TBD)			
100017 R425	Funding for CLIN 1000 (TBD)			
100018 R425	Funding for CLIN 1000 (TBD)			
100019 R425	Funding for CLIN 1000 (TBD)			
100020 R425	Funding for CLIN 1000 (TBD)			
100021 R425	Funding for CLIN 1000 (TBD)			
100022 R425	Funding for CLIN 1000 (TBD)			
1100 R425	Option 1 (CPFF) - Engineering, technical and management support services for the Research, Development, Test and Evaluation (RDT&E) Infrastructure Division, in accordance with Section C Statement of Work and CDRLs (DD Form 1423) attached hereto. (TBD)	1.0 LO		
110001 R425	(TBD)			
110002 R425	(TBD)			
110003 R425	(TBD)			
110004 R425	(TBD)			
110005 R425	(TBD)			
110006 R425	(TBD)			
110007 R425	(TBD)			
110008 R425	(TBD)			
110009 R425	(TBD)			
110010 R425	(TBD)			
110011 R425	(TBD)			

CONTRACT NO. N00178-05-D-4623	DELIVERY ORDER NO. M801	AMENDMENT/MODIFICATION NO. 48	PAGE 3 of 67	FINAL
----------------------------------	----------------------------	----------------------------------	-----------------	-------

110012 R425	(OTHER)			
110013 R425	(OTHER)			
110014 R425	(OTHER)			
1200 R425	Option 2 (CPFF)- Engineering, technical and management support services for the Research, Development, Test and Evaluation (RDT&E) Infrastructure Division, in accordance with Section C Statement of Work and CDRLs (DD Form 1423) attached hereto. (TBD)	1.0 LO	██████████	██████████
120001 R425	Funding in support of CLIN 1200. (TBD)			
120002 R425	Funding in support of CLIN 1200. (TBD)			
120003 R425	Funding in support of CLIN 1200. (TBD)			
120004 R425	Funding in support of CLIN 1200. (TBD)			
120005 R425	Funding in support of CLIN 1200. (TBD)			
120006 R425	Funding in support of CLIN 1200. (TBD)			
120007 R425	Funding in support of CLIN 1200. (TBD)			
120008 R425	Funding in support of CLIN 1200. (TBD)			
120009 R425	Funding in support of CLIN 1200. (TBD)			
120010 R425	Funding in support of CLIN 1200. (TBD)			

CONTRACT NO. N00178-05-D-4623	DELIVERY ORDER NO. M801	AMENDMENT/MODIFICATION NO. 48	PAGE 4 of 67	FINAL
----------------------------------	----------------------------	----------------------------------	-----------------	-------

For FFP Items:

Item	PSC Code	Supplies/Services	Qty	Unit	Unit Price	Total Price
2000	R425	Base (FFP) - Engineering, technical and management support services for the Research, Development, Test and Evaluation (RDT&E) Infrastructure in accordance with Section C Statement of Work, paragraph 3.7 and CDRLs (DD Form 1423) attached hereto. (TBD)	1.0	LO	██████████	██████████
200001	R425	Funding for CLIN 2000 (TBD)				
200002	R425	Funding for CLIN 2000 (TBD)				
200003	R425	Funding for CLIN 2000 (TBD)				
2100	R425	Option 1 (FFP) - Engineering, technical and management support services for the Research, Development, Test and Evaluation (RDT&E) Infrastructure in accordance with Section C Statement of Work, paragraph 3.7 and CDRLs (DD Form 1423) attached hereto. (TBD)	1.0	LO	██████████	██████████
210001	R425	(TBD)				
210002	R425	(TBD)				
210003	R425	(TBD)				
2200	R425	Option 2 (FFP) - Engineering, technical and management support services for the Research, Development, Test and Evaluation	1.0	LO	██████████	██████████

CONTRACT NO. N00178-05-D-4623	DELIVERY ORDER NO. M801	AMENDMENT/MODIFICATION NO. 48	PAGE 5 of 67	FINAL
----------------------------------	----------------------------	----------------------------------	-----------------	-------

(RDT&E)
Infrastructure in
accordance with
Section C
Statement of
Work, paragraph
3.7 and CDRL (DD
Form 1423)
attached hereto.
(TBD)

220001 R425 Funding in
support of CLIN
2200 (OTHER)

For ODC Items:

Item	PSC Code	Supplies/Services	Qty	Unit	Est. Cost
3000	R425	Base - Travel in support of CLIN 1000 and CLIN 2000 (TBD)	1.0	LO	██████████
300001	R425	Funding for CLIN 3000 (TBD)			
3001	R425	Base - Material in support of CLIN 1000 and CLIN 2000 (TBD)	1.0	LO	██████████
300101	R425	Funding for CLIN 3001 (TBD)			
300102	R425	Funding for CLIN 3001 (TBD)			
300103	R425	Funding for CLIN 3001 (TBD)			
300104	R425	Funding for CLIN 3001 (TBD)			
300105	R425	Funding for CLIN 3001 (TBD)			
300106	R425	Funding for CLIN 3001 (TBD)			
300107	R425	Funding for CLIN 3001 (TBD)			
300108	R425	Funding for CLIN 3001 (TBD)			
300109	R425	Funding for CLIN 3001 (TBD)			
300110	R425	Funding for CLIN 3001 (TBD)			
3100	R425	Option 1 -	1.0	LO	██████████

CONTRACT NO. N00178-05-D-4623	DELIVERY ORDER NO. M801	AMENDMENT/MODIFICATION NO. 48	PAGE 6 of 67	FINAL
----------------------------------	----------------------------	----------------------------------	-----------------	-------

Travel in support
of CLIN 1100 and
CLIN 2100 (TBD)

310001 R425	(TBD)			
310002 R425	(TBD)			
310003 R425	(TBD)			
310004 R425	(OTHER)			
3101 R425	Option 1 - Material in support of CLIN 1100 and CLIN 2100 (TBD)	1.0	LO	██████████
310101 R425	(TBD)			
310102 R425	(TBD)			
310103 R425	(TBD)			
310104 R425	(TBD)			
310105 R425	(TBD)			
310106 R425	(OTHER)			
310107 R425	(TBD)			
3200 R425	Option 2 - Travel in support of CLIN 1200 and CLIN 2200 (TBD)	1.0	LO	██████████
320001 R425	Funding for Option 3200 (OTHER)			
3201 R425	Option 2 - Material in support of CLIN 1200 and CLIN 2200 (TBD)	1.0	LO	██████████
320101 R425	Funding in support of CLIN 3201 (OTHER)			
320102 R425	Funding in support of CLIN 3201 (OTHER)			
320103 R425	Funding in support of CLIN 3201 (OTHER)			
320104 R425	Funding in support of CLIN 3201 (TBD)			
320105 R425	Funding in support of CLIN 3201 (TBD)			

CONTRACT NO. N00178-05-D-4623	DELIVERY ORDER NO. M801	AMENDMENT/MODIFICATION NO. 48	PAGE 7 of 67	FINAL
----------------------------------	----------------------------	----------------------------------	-----------------	-------

For Cost Type Items:

Item	PSC Code	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPF1
4300	R425	Award Term A (CPFF) - Engineering, technical and management support services for the Research, Development, Test and Evaluation (RDT&E) Infrastructure Division, in accordance with Section C Statement of Work and CDRLs (DD Form 1423) attached hereto. (TBD)	1.0	LO			
430001	R425	Funding (TBD)					
430002	R425	Funding (TBD)					
430003	R425	Funding (TBD)					
430004	R425	Funding (TBD)					
430005	R425	Funding (TBD)					
430006	R425	Funding (TBD)					
430007	R425	Funding (TBD)					
430008	R425	Funding (TBD)					
430009	R425	Funding (TBD)					
430010	R425	Funding (TBD)					
430011	R425	Funding (TBD)					
430012	R425	Funding (TBD)					
430013	R425	Funding (TBD)					
430014	R425	Funding (TBD)					
430015	R425	Funding (TBD)					
430016	R425	Funding (TBD)					
430017	R425	Funding (TBD)					
430018	R425	Funding (TBD)					
430019	R425	Funding (TBD)					
4400	R425	Award Term B	1.0	LO			

CONTRACT NO. N00178-05-D-4623	DELIVERY ORDER NO. M801	AMENDMENT/MODIFICATION NO. 48	PAGE 9 of 67	FINAL
----------------------------------	----------------------------	----------------------------------	-----------------	-------

5300 R425 Award Term A 1.0 LO [REDACTED] [REDACTED]
 (FFP) -
 Engineering,
 technical and
 management
 support services
 for the Research,
 Dvelopment, Test
 and Evaluation
 (RDT&E)
 Infrastructure in
 accordance with
 Section C
 Statement of
 Work, paragrahp
 3.7 and CDRLs (DD
 Form 1423)
 attached hereto.
 (TBD)

5400 R425 Award Term B 1.0 LO [REDACTED] [REDACTED]
 (FFP) -
 Engineering,
 technical and
 management
 support services
 for the Research,
 Dvelopment, Test
 and Evaluation
 (RDT&E)
 Infrastructure in
 accordance with
 Section C
 Statement of
 Work, paragrahp
 3.7 and CDRLs (DD
 Form 1423)
 attached hereto.
 (TBD)

540001 R425 FUNDING (TBD)

For ODC Items:

Item	PSC Code	Supplies/Services	Qty	Unit	Est. Cost
-----	-----	-----	-----	-----	-----
6300	R425	Award Term A - Travel in support of CLIN 4300 and CLIN 5300 (TBD)	1.0	LO	[REDACTED]
630001	R425	FUNDING (TBD)			
630002	R425	FUNDING (TBD)			
630003	R425	FUNDING (TBD)			
6301	R425	Award Term A - Material in support of CLIN 4300 and CLIN 5300 (TBD)	1.0	LO	[REDACTED]

CONTRACT NO. N00178-05-D-4623	DELIVERY ORDER NO. M801	AMENDMENT/MODIFICATION NO. 48	PAGE 10 of 67	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

630101 R425	(TBD)			
630102 R425	(TBD)			
630103 R425	Funding (TBD)			
630104 R425	Funding (TBD)			
630105 R425	Funding (TBD)			
630106 R425	(TBD)			
630107 R425	Funding (TBD)			
630108 R425	Funding (TBD)			
630109 R425	Funding (TBD)			
630110 R425	Funding (TBD)			
630111 R425	Funding (TBD)			
630112 R425	Funding (TBD)			
630113 R425	FUNDING (TBD)			
6400 R425	Award Term B - Travel in support of CLIN 4400 and CLIN 5400 (TBD)	1.0	LO	██████████
640001 R425	FUNDING (TBD)			
640002 R425	FUNDING (TBD)			
640003 R425	FUNDING (TBD)			
6401 R425	Award Term B - Material in support of CLIN 4400 and CLIN 5400 (TBD)	1.0	LO	██████████
640101 R425	FUNDING (TBD)			
640102 R425	FUNDING (TBD)			
640103 R425	FUNDING (TBD)			
640104 R425	FUNDING (TBD)			
640105 R425	FUNDING (TBD)			
640106 R425	FUNDING (TBD)			
640107 R425	FUNDING (TBD)			
640108 R425	FUNDING (TBD)			
640109 R425	FUNDING (TBD)			
640110 R425	FUNDING (TBD)			
640111 R425	FUNDING (TBD)			
640112 R425	FUNDING (TBD)			

CONTRACT NO. N00178-05-D-4623	DELIVERY ORDER NO. M801	AMENDMENT/MODIFICATION NO. 48	PAGE 11 of 67	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

640113 R425 FUNDING (TBD)
640114 R425 FUNDING (TBD)
640115 R425 FUNDING (TBD)
640116 R425 FUNDING (TBD)
640117 R425 FUNDING (TBD)
640118 R425 FUNDING (TBD)
640119 R425 FUNDING (TBD)
640120 R425 FUNDING (TBD)
640121 R425 FUNDING (TBD)
640122 R425 FUNDING (TBD)

Additional SubCLINS may be created to accommodate different types of funds that shall be used to fund this effort.

CLINS 1000, 1100, 4200, 4300 and 4400 are CPFF. CLINS 2000, 2100, 5200, 5300, and 5400 are FFP. CLINs 3000, 3001, 3100, 3101, 6200, 6201, 6300, 6301, 6400 and 6401 are cost reimbursable.

The exercise of some option CLINs and award term CLINs may be contingent upon the award term period at the Seaport basic contract level being exercised.

SEA 5252.216-9122 LEVEL OF EFFORT (DEC 2000)

(a) The Contractor agrees to provide the total level of effort specified in the next sentence in performance of the work described in Sections B and C of this contract. The total level of effort for the performance of this contract shall be (see chart below) total man-hours of direct labor, including subcontractor direct labor for those subcontractors specifically identified in the Contractor's proposal as having hours included in the proposed level of effort.

CPFF CLIN	HOURS
1000	████████
1100	████████
1200	████████
4300	████████
4400	████████

(b) Of the total man-hours of direct labor set forth above, it is estimated that ██████████ are uncompensated effort. Uncompensated effort is defined as hours provided by personnel in excess of 40 hours per week without additional compensation for such excess work. All other effort is defined as compensated effort. If no effort is indicated in the first sentence of this paragraph, uncompensated effort performed by the Contractor shall not be counted in fulfillment of the level of effort obligations under this contract.

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

(d) The level of effort for this contract shall be expended at an average rate of approximately (see chart below) hours per week.

CPFF CLIN	HOURS PER WEEK
1000	████████
1100	████████
1200	████████
4300	████████
4400	████████

CONTRACT NO. N00178-05-D-4623	DELIVERY ORDER NO. M801	AMENDMENT/MODIFICATION NO. 48	PAGE 12 of 67	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

It is understood and agreed that the rate of man-hours per month may fluctuate in pursuit of the technical objective, provided such fluctuation does not result in the use of the total man-hours of effort prior to the expiration of the term hereof, except as provided in the following paragraph.

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

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

(g) If the total level of effort specified in paragraph (a) above is not provided by the Contractor during the period of this contract, the Task Order Contracting Officer, at its sole discretion, shall either (i) reduce the fee of this contract as follows:

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

or (ii) subject to the provisions of the clause of this contract entitled "LIMITATION OF COST" (FAR 52.232-20) or "LIMITATION OF COST (FACILITIES)" (FAR 52.232-21), as applicable, require the Contractor to continue to perform the work until the total number of man hours of direct labor specified in paragraph (a) above shall have been expended, at no increase in the fee of this contract.

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

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

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

CONTRACT NO. N00178-05-D-4623	DELIVERY ORDER NO. M801	AMENDMENT/MODIFICATION NO. 48	PAGE 13 of 67	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

SECTION C DESCRIPTIONS AND SPECIFICATIONS

Statement of Work

1.1 Background

The Research, Development, Test and Evaluation (RDT&E) Infrastructure Division is responsible for the Naval Air Systems Command (NAVAIR) RDT&E computing infrastructure, including the High Performance Computing (HPC) Facility and is the Navy Test and Evaluation (T&E) Functional Area Manager (FAM) Lead for Navy applications and databases portfolio management. The goal of the RDT&E Infrastructure Division is to provide the NAVAIR and its government and commercial partners and customer communities of interest with enterprise solutions and services to meet the information technology/communications needs that are not currently provided by and are outside the framework of the Navy Marine Corps Intranet (NMCI).

The RDT&E Infrastructure Division's responsibility is national in scope, including engineering and technical support for more than one hundred fifty laboratories and facilities at Patuxent River, MD; China Lake, CA; St Inigoes, MD; Point Mugu, CA, Jacksonville, FL, Lakehurst, NJ; Orlando, FL; Cherry Point, NC; and San Diego, CA. Some of these laboratories have relatively modest but specialized RDT&E computing requirements, while others such as the Air Combat Environment Test and Evaluation Facility at Patuxent River and the Integrated Battlespace Arena at China Lake involve very specialized test equipment, high fidelity stimulation equipment, combat hardware, man in the loop, and are powered by High Performance Computing Centers.

The RDT&E Infrastructure Division provides products, services, and internal/external support necessary to ensure an efficient and effective RDT&E infrastructure and operating environment for NAVAIR in order to meet the Navy's goals and objectives. The key functional areas of the RDT&E Infrastructure Division are RDT&E Connectivity and Services, RDT&E Infrastructure and External Interfaces, and the engineering services for establishment of a mature RDT&E environment. The RDT&E Infrastructure Division provides engineering support services and the management and oversight of the architecture, processes and procedures used by the RDT&E community for information technology. The RDT&E Infrastructure Division manages and operates the NAVAIR High Performance Computing Facility and all NAVAIR RDT&E Base Area Networks providing cost effective, base-wide connectivity to access DoD approved Wide Area Networks and NAVAIR labs and ranges; and provides operations, maintenance, upgrades and management for inter-facility RDT&E network infrastructure and planning. Internal and external connectivity for RDT&E computing resources, are provided as required to NAVAIR engineers and scientists, including providing Information Assurance coordination and oversight for the RDT&E computing network. The RDT&E Infrastructure Division performs governance over the NAVAIR RDT&E network, and assists the NAVAIR Chief Information Officer (CIO) in RDT&E computing governance and oversight for the Virtual System Commands (NAVAIR, NAVSEA, SPAWAR, NAVSUP).

1.2 Scope of Contract

This Performance Based Statement of Work (PBSOW) defines the requirements for providing full spectrum information technology (IT) engineering and management support services for the RDT&E Infrastructure Division. Requirements include support for: project initiation and governance; improvement and modernization (I&M); engineering and installation (E&I); operations and maintenance (O&M); information assurance; architecture design; integration of new technologies; acquisition of hardware/software/material, material management for connection to the RDT&E network/infrastructure, all connected LANs, and stand-alone networks - both secure and non-secure. Support services shall include: installation, modernization; subject matter experts for on-site engineering/technical support for systems and infrastructure; task and project-level tracking, analysis, and reporting to include project and customer-unique reporting; end-customer billing and end-customer reconciliation; plant accountability, and excess of equipment; configuration management/data management; and WANs, BANs and LANs, firewall and head-end system support both on-site and off-site.

The RDT&E Infrastructure Division will develop a single, interoperable RDT&E network environment that seamlessly connects every NAVAIR site through common interfaces to support geographically distributed programs. The RDT&E Team will provide leading edge networking and application support services to the NAVAIR customer base that facilitate RDT&E environment information sharing between laboratories and test facilities on campus and between laboratories and test facilities and other services, agencies and contractor facilities world-wide. The Government will provide the engineering interface to major networking groups (DISA, DSAWG, DREN, NRL and

CONTRACT NO. N00178-05-D-4623	DELIVERY ORDER NO. M801	AMENDMENT/MODIFICATION NO. 48	PAGE 14 of 67	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

etc.) to address solutions of a national scope that affect the entire customer base and improve interoperability. The RDT&E Infrastructure Team will provide a vehicle for RDT&E customers to readily connect to and leverage a wide variety of high performance computational resources in the DoD RDT&E community at large. The RDT&E Infrastructure Team will develop "reach back" capabilities to other networks.

In support of the DoD High Performance Computing Modernization Program, the RDT&E Infrastructure Division provides management, oversight and systems administration support for the NAVAIR HPC community.

The RDT&E Infrastructure Division also provides the full range of engineering, technical, and management support services necessary to satisfy the mission requirements to support the Navy Functional Area Manger (FAM) for Test and Evaluation (T&E).

The geographic scope of this effort includes all NAVAIR activities, including the Naval Air Depots (Jacksonville, Cherry Point, and North Island), NAWCAD (Patuxent River and Lakehurst), NAWCWD (China Lake and Point Mugu), NAWCTSD; Naval Air Weapons Station (NAWS), China Lake. Also included are attached activities such as Air Test and Evaluation Squadron Nine and any activity or location, which directly supports the program mission of NAVAIR and subordinate activities. The Corporate RDT&E network infrastructure includes the Wide Area Networks (WANs), head-end, Base Area Network (BAN), and multiple Local Area Networks (LANs) within NAVAIR and multiple satellite network customer Activities. For the purposes of this document, "customer" is defined as anyone opening a work order or acquiring RDT&E support services under this contract.

2 APPLICABLE DOCUMENTS

The following list of documents is being provided as general guidance only.

- SECNAV Instruction 5000.36A "Department of the Navy Information Technology Applications and Data Management," 19 Dec 2005
- RDT&E Infrastructure Division Standard Operating Procedures
- RDT&E Infrastructure Division Security Accreditation Documents
- SECNAV INST 5510.36 Information and Personnel Security Program Regulation

3 REQUIREMENTS

The Contractor's objective will be to provide qualified personnel to maintain and operate the RDT&E Infrastructure Division's laboratory and facility, provide testing support, increase utilization of the testing assets, and improve network communication for RDT&E programs and activities.

The Contractor shall team with Government personnel to develop cross -functional/-discipline teams based on Integrated Product Team (IPT) concepts. Additionally, the Contractor shall ensure that their personnel understand and follow statutory and regulatory restrictions and standards of conduct issues faced when close working relationships, such as IPTs, are required. All Contractor team members shall have the authority, knowledge and expertise to participate in problem solving and decision-making (except for Government functions normally referred to as inherently Governmental such as the act of governing, i.e., the discretionary exercise of Government authority, and monetary transactions and entitlements), and the implementation of team decisions.

The Contractor shall become, and remain knowledgeable in the RDT&E Project Team's mission. The Contractor shall remain current in their functional areas of expertise and evolving technologies. The Contractor may also be required to attend Government sponsored training. The Contractor may be required to provide training to or for Government personnel at the Contractor's facility or other agreed upon locations.

The Contractor shall work in the interest of the RDT&E Infrastructure Division to develop new business relationships/partnerships that would benefit by utilizing the NAVAIR RDT&E Environment. The contractor, with explicit government approval, shall provide technical tours of the RDT&E Infrastructure Division facilities and provide presentations to potential customers. In the case of foreign nationals or foreign companies the contractor will request explicit permission to provide the tours. The contractor shall produce and update documentation/presentation materials such as viewgraphs, brochures, display booths and other briefing materials to support program/project objectives and business development for the RDT&E Infrastructure Division.

CONTRACT NO. N00178-05-D-4623	DELIVERY ORDER NO. M801	AMENDMENT/MODIFICATION NO. 48	PAGE 15 of 67	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

The contractor shall accomplish work as specified in this PBSOW. Performance of this work shall be measured in accordance with the Performance requirements Summary Matrix / Quality Assurance Surveillance Plan. When necessary technical direction or clarification concerning the details of specific tasking set forth in the contract shall be given through issuance of Technical Direction Letters by the Task Order Manager.

Functional areas to be supported under this contract are described in the sections below.

3.1 Engineering and Systems Acquisition Support

3.1.1 Currently, the existing NAVAIR Legacy Networks are under the control of the NMCI Information Strike Force Team (ISF). Once the ISF completes its transition of candidate users to the NMCI network, the remaining legacy network will either be absorbed by the RDT&E network or retired. The contractor shall support the design, development, and maintenance of the NAVAIR RDT&E Communications that are outside the purview of the NMCI contract. In support of RDT&E network communications, the contractor shall design, develop, implement and maintain the RDT&E communications infrastructure including administration, upgrades and modernization. The contractor shall provide engineering and systems acquisition support to the Government. The Government will have access to and own all RDT&E equipment.

3.1.2 NAVAIR RDT&E Networks consist of three distinct network levels including:

- Wide Area Network (WAN) - WANs include all off-Center RDT&E Communications circuits entering or leaving NAVAIR facilities such as the DISN LES and the Defense Research Engineering Network (DREN) and the Secret Defense Research Network (SDREN) and the Secret Internet Protocol Network (SIPRNet).

- o Distributed Mission Operations Network (DMON)

- o Navy Continuous Training Environment (NCTE)

- o Joint Training and Experimentation Network (JTEN)

- Base Area Network (BAN) - BANs include the NAVAIR RDT&E network backbones at all NAVAIR sites that have BANs that span the sites connecting all of the individual RDT&E LANs together and to the WAN portion. This may include any other NAVAIR, other government, or contractor site, if specifically requested.

- Local Area Networks (LANs) - LANs include existing networks within each building that are operated, funded and administered primarily by the individual projects and programs. The contractor shall provide support in the operations and maintenance support of both customer and corporate LANs located at all NAVAIR sites that have LAN's.

3.1.3 Technologies/Systems. The contractor shall be knowledgeable and provide engineering/technical support in the following technologies.

3.1.3.1 Voice technology (includes but not limited to):

- IP-Based Phones. Audio that utilizes IP-based telephone equipment over the RDT&E voice, video and data communication systems.

- ATM-Based Phones. Audio that utilizes NATIVE ATM-based telephone equipment over the RDT&E voice, video and data communication systems.

3.1.3.2 Multimedia Technology (includes but not limited to):

- In-Band IP-Based Video. Audio that utilizes in-band IP-based video equipment over the RDT&E voice, video and data communication systems.

3.1.3.3 Data/Network Protocols Technology (includes but not limited to):

- Asynchronous transfer mode (ATM).

- Telemetry (to Include SONET).

CONTRACT NO. N00178-05-D-4623	DELIVERY ORDER NO. M801	AMENDMENT/MODIFICATION NO. 48	PAGE 16 of 67	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

- Ethernet (10, 100, 1000 BaseT).
- Secure encrypted protocols (Key Mat).
- Broadcast, multicast technologies.
- SONET

3.1.3.4 Network Transports (includes but not limited to):

- Wired (copper) (CAT 5, 6e, and etc.).
- Wireless (802.11 A, B, and etc.)
- Fiber optic (SM, MM) (air-blown and traditional).
- Ethernet (10, 100, 1000 BaseT).
- Satellite.
- Terrestrial.
- UHF/VHF/RF.
- Microwave.
- Submarine cabling (Pt. Mugu to San Nicolas Island).
- Non-secure network equipment (CISCO/Foundry routers and switches, Marconi ATM switches, and etc.).
- Secure network equipment (NES, TACLANE, FASTLANE, and etc.).
- Signal repeaters for audio, video, data and telephones.

3.1.3.5 Wide Area Network (WAN) (includes but not limited to):

- Corporate RDT&E WAN Links—voice, video and data communication systems off-Center wide area circuits.
- DREN/SDREN circuit.
- DISN-LES.
- SIPRNet circuit.
- JTEN, DMON, NCTE
- Customer WAN links—Customer RDT&E voice, video and data communication systems off-Center wide area circuits.
- WAN Encryptors.

3.1.3.6 Base Area Network (BAN) (includes but not limited to):

- RDT&E voice, video and data communication systems backbones at NAVAIR and its attached activities.
- RDT&E voice, video and data communication systems backbones at NAVAIR Land and Sea Ranges.

3.1.3.7 Local Area Network (LAN) (includes but not limited to):

- RDT&E voice, video and data communication systems LANs at Patuxent River, China Lake and Point Mugu; and
- RDT&E voice, video and data communication systems LANs for other NAVAIR and attached Activities, as

CONTRACT NO. N00178-05-D-4623	DELIVERY ORDER NO. M801	AMENDMENT/MODIFICATION NO. 48	PAGE 17 of 67	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

requested.

3.1.4 Systems Engineering and Technical Services

3.1.4.1 The contractor shall provide research, engineering, and technical support for the RDT&E network:

- Requirements Analysis. The contractor shall analyze the processes used for requirements development and tracking and provide the analyses to the specific RDT&E lab/customer via the AIC/WIC technical leads.
- Compliance Tracking. Throughout the requirements definition, design, development, test and evaluation process, the contractor shall track system program/project requirements compliance through a Government-approved method.
- Laboratory Support. The contractor shall provide engineering services and support to the AIC/WIC customers. This will include classified and unclassified communications systems engineering and support.

3.1.5 Studies, Analysis, Assessments, Recommendations, Planning, Systems Design and Acquisition. The contractor shall perform studies, analysis, assessments, recommendations, and planning with respect to RDT&E network solutions. Recommendations will be provided to the Government Leads in accordance with CDRL A002. These efforts will be performed in accordance with current work process disciplines and additional items related to studies, analysis, planning and acquisition components as illustrated below.

- Requirements gathering, analysis, synthesis, evaluation, and management.
- Market research and analysis.
- Economic analyses, cost modeling, econometric and trade-off analyses.
- Development and assessment of solutions and alternatives.
- Capability and performance assessments and analysis.
- Interface and integration analysis and modeling.
- Testing and validation/verification of prototypes and products.
- Risk analysis and mitigation strategies/plans.
- Cost estimating and total ownership cost studies.
- Schedule development and analysis.
- Metrics and performance.
- Logistics and support analysis and planning.
- Operations and maintenance planning.
- Project and engineering studies and planning.
- Capability and standards evaluation and assessments.
- Training and instructional material studies and planning.
- Testing
- Quality assurance and evaluation.
- Configuration management/data management planning; and recommendations.
- Transition to Operations
- Information Assurance

CONTRACT NO. N00178-05-D-4623	DELIVERY ORDER NO. M801	AMENDMENT/MODIFICATION NO. 48	PAGE 18 of 67	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

3.1.6 Architecture and Engineering Standards. The NAVAIR RDT&E organization has established a Command Information Officer (CIO) Level Enterprise Architecture (EA) effort, as well as the RDT&E Engineering and Enterprise Architecture Division to ensure an architecture is developed to guide the assessment, selection, and development of interoperable/integrated IT systems, components, and services. Initially, the focus will be on the RDT&E infrastructure and services, but will expand to include support of NAVAIR EA efforts. Additionally, these organizations are responsible for IT engineering support for the planning, development, and implementation of all RDT&E projects and activities across the RDT&E environment. Engineering services to be provided by the contractor in support of this effort include project consultation/assistance, and the selection and deployment of processes and tools to increase the level of discipline in engineering/development efforts.

3.1.6.1 Enterprise Architecture. In support of the NAVAIR Enterprise Architecture efforts, the contractor shall provide engineering and technical support with the following services:

- Develop current and future state models of the business, information, application, technical, and other architecture components.
- Develop and review documents and other deliverables in support of the NAVAIR AD/WD and National NAVAIR EA teams to assist in the development of AD/WD and National EA principles, strategies, and architectural processes.
- Implement these National and local strategies, plans, and efforts to effect EA objectives.

3.1.6.2 RDT&E Architecture. In order to develop, implement, and sustain an RDT&E architecture and supporting standards, the contractor shall:

- Analyze and track higher-level (Federal Government, DOD, Navy) IT architectures, guidance, and/or initiatives that may affect or impact the RDT&E community.
- Analyze the Strategic business plans of the RDT&E community and make recommendations to the RDT&E team.
- Perform Requirements analysis and management.
- Track/analyze IT industry trends.
- Track/analyze IT technology development.
- Perform baselines of existing architectures and infrastructures - including policies, processes and procedures.
- Develop and implement RDT&E architectural guidelines and documents.
- Adhere to Information Assurance policy, standards, and regulations.

3.1.6.3 Engineering/Development Standards. The contractor shall perform the following types of engineering/development support activities:

- Development of engineering processes, tools, and systems for use in delivering RDT&E products and services.
- Engineering consultation services to ensure projects/initiatives comply with Navy and NAVAIR standards and principles.
- Engineering design, manufacturing, fabrication, development, installation, integration, testing, upgrade, analysis, and maintenance of the NAVAIR RDT&E network environment. Manufacturing requirements could range from complete system construction, conceptual planning, research, and development efforts to customization of exiting configurations.
- Investigate, evaluate, and propose new systems and upgrades/modifications to existing resources that would increase capabilities, efficiency, reliability, and cost savings. Develop plans for integrating network systems to include implementation schedule, costing, and resource requirements.

3.1.7 Configuration Management. All configuration management work shall conform to applicable documents and established processes and procedures. The contractor shall complete existing databases for spares, network

CONTRACT NO. N00178-05-D-4623	DELIVERY ORDER NO. M801	AMENDMENT/MODIFICATION NO. 48	PAGE 19 of 67	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

equipment, test equipment, and RDT&E network I&M assets.

3.1.7.1 The Contractor shall maintain these databases on the designated server and provide detailed reports in accordance with CDRL A002 to the responsible RDT&E Government Lead and the appropriate Technical Assistant (TA) or Assistant Technical Assistant (ATA).

3.1.7.2 The contractor shall perform, evaluate, document, and maintain hardware configuration management of the RDT&E Infrastructure Division resources in accordance with Division defined methods and requirements per CDRL A002.

3.1.7.3 The contractor shall provide engineering documentation support for the RDT&E network environment. The documentation support will include, but is not limited to, the drafting and modeling of networks and wiring schematics. All documentation and drafting efforts shall be completed by the contractor using the required documentation and drawing packages as defined by the RDT&E Infrastructure Division Management.

3.1.7.4 The contractor shall recommend and support new initiatives for risk reduction, configuration management, quality and product development.

3.1.8 Studies, Analysis, Assessments, Recommendations and Planning. The contractor shall work with the Government lead in a teaming structure to perform studies, analyses, assessments, recommendations, and planning with respect to RDT&E network solutions. These efforts will be performed in accordance with current work process disciplines and additional items related to studies, analyses and planning components including:

- Requirements gathering, analysis, synthesis, evaluation, and management.
- Market research and analysis.
- Economic analyses, cost modeling, econometric and trade-off analyses.
- Development and assessment of solutions and alternatives.
- Capability and performance assessments and analyses.
- Interface and integration analysis and modeling.
- Testing and validation/verification of prototypes and products.
- Risk analysis and mitigation strategies/plans.
- Cost estimating and total ownership cost studies.
- Schedule development and analysis.
- Metrics and performance.
- Logistics and support analysis and planning.
- Operations and maintenance planning.
- Project and engineering studies and planning.
- Capability and standards evaluation and assessments.
- Training and instructional material studies and planning.
- Quality assurance and evaluation.
- Configuration management/data management planning; and recommendations.

3.1.9 RDT&E Customer Billing and Work Tracking. The contractor shall work with the Business and Financial Team to develop, implement and maintain a billing and work tracking system including:

CONTRACT NO. N00178-05-D-4623	DELIVERY ORDER NO. M801	AMENDMENT/MODIFICATION NO. 48	PAGE 20 of 67	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

- Entering all pertinent financial data for all RDT&E work performed.
- Logging, transferring, and tracking all RDT&E work.
- Performing billing operations and reporting of financial transactions and progress for all RDT&E work.

3.1.10 Task Status Tracking. The contractor shall maintain current task status in the current government status tracking system or any subsequent replacement system. This may require direct entry or coordination for entry with the IT/IM Department and the National Help Desk provider.

3.1.11 Status Tracking Database. The contractor shall enter and maintain data in the government furnished tracking database and maintain near real time accurate data (e.g. current migration status, IP addresses, etc). The contractor shall follow clearly outlined procedures to ensure migration responsibilities are handled in a timely manner as tracked by the status tracking database and notifications generated by the status tracking database system.

3.1.12 Material Management. The Contractor shall:

- Identify all material prior to purchase to the Government Lead and the TA/ATA to determine most appropriate procurement process.
- Track and report all equipment/materials to the appropriate NAVAIR AD or WD property administrator designated in the contract.
- Ensure that materials supporting direct-charged services are billed-back 100% to the appropriate customer.

3.1.13 Property Management. The Contractor shall perform property management tasks such as bar coding equipment, entering data in the GFE Property Management System, maintaining data, i.e., keep data current and accurate, and print reports.

3.1.14 Vehicles. The Contractor shall be required to utilize motor vehicles in support of this PBSOW and in accordance with NAVAIR site-specific processes. The contractor shall:

- Comply with all state and federal laws pertaining to operating motor vehicles in support of this PBSOW.
- Operate Government provided vehicles in support of this PBSOW, in accordance with NAVAIR site-specific processes/requirements. An example of site specific requirements includes the following:
 - (1) Comply with all NAVAIR command policies when operating vehicle, i.e. no cell phone use.
 - (2) Use the most cost-effective (economical) means to fuel vehicles (using the NAVAIR fuel farms).
- Meet all requirements while operating Government vehicles.

3.1.15 Cable Locates. Efforts to locate existing cables/fiber will be handled in accordance with NAVAIR site-specific requirements. The contractor will be required to adhere to all site-specific processes in performing this function. An example of a site specific process is as follows:

- The contractor shall respond to a Locate Request {e.g., Request for Underground Utility Location Service) from the Public Works (PW) Utilities Coordinator for marked excavation sites. The contractor shall review the accompanying drawings of the excavation site and identify buried NOSC and RDT&E fiber optic and data cable within the marked excavation area by indicating the path of the cable with fluorescent pink marking flags and/or paint. The contractor shall complete the request by dating and initialing the NOSC section of the Locate Request and faxing it to the PW Utilities Coordinator within approximately three working days. Emergency locates shall be handled immediately upon notification.

3.2 Operations & Maintenance Support

3.2.1 General IT System Requirements. The contractor shall provide the following general types of products and services, which are required for the testing, upgrade, and operations and maintenance (complete life-cycle) of RDT&E communication systems and the equipment/systems comprising them, including:

CONTRACT NO. N00178-05-D-4623	DELIVERY ORDER NO. M801	AMENDMENT/MODIFICATION NO. 48	PAGE 21 of 67	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

- a. Requirements analysis and definition;
- b. Estimates;
- c. Engineering design;
- d. Trade-off studies;
- e. O&M planning necessary to sustain new IT installations;
- f. Training;
- g. Testing;
- h. Quality assurance;
- i. Documentation;
- j. Maintenance;
- k. Troubleshooting;
- l. Communication Systems Operations
 - (1) Classified (SIPRNet) and Encryption support
 - (2) Unclassified
- m. Desktop and systems administration;
- n. Technical documentation;
- o. Upgrades, repairs, operations and maintenance of the RDT&E network infrastructure;
- p. Provide recommendation/identify solutions for current and new RDT&E customers for modernization of existing systems and install new customers;
- q. Network management and monitoring (fault management); and
- r. Performance management and monitoring;
- s. Records maintenance

3.2.2 Data Deliverables. All documentation shall be prepared and delivered in accordance with the applicable Contract Data Requirements List (CDRL) and shall be posted on the Government's server or an alternate server approved by the RDT&E Project Team. The contractor shall develop and maintain a current contact list for all operations personnel that includes, at a minimum, employee's name, phone (desk and cell), email address, location, and primary responsibilities. Initial list is required within 30 days of contract award; updates will be made in near-real time. List will be maintained on the agreed-upon server.

3.2.3 Communications. The contractor shall provide support for RDT&E Communications that are outside the purview of the NMCI contract. In support of communications, the contractor shall:

3.2.3.1 The contractor is responsible for performing the day-to-day operational support required for the NOSC/RDT&E network environment. Functions include administration, operations, monitoring, and repairs.

3.2.3.2 Provide operations and maintenance support for the RDT&E voice (other than normal telephone service, if required), video, and data network services traversing these infrastructures. The contractor shall conform to the applicable document referenced in Section 2 when performing operations affecting the RDT&E infrastructure.

3.2.3.3 Obtain customer feedback regarding all services provided under this PBSOW. Provide metrics to the Task Order Manager (TOM) and the TA/ATA on a monthly basis.

CONTRACT NO. N00178-05-D-4623	DELIVERY ORDER NO. M801	AMENDMENT/MODIFICATION NO. 48	PAGE 22 of 67	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

3.2.4 Operations and Maintenance. The contractor shall trouble-shoot, repair, upgrade, operate, monitor, maintain, and administer, according to best practices and industry standards all components of the NAWCAD/NAWCWD, RDT&E Infrastructure and video systems such that the NAWCAD/NAWCWD RDT&E Corporate Data network is operational 0600 to 1800 hours weekly, and as test requirements dictate, hours scheduled outside of these weekly hours.

3.2.4.1 The NAVAIR RDT&E infrastructure components include, but are not limited to, the following:

- Corporate secure and non-secure data
- LANs, BANs, WANs and remote access systems consisting of the primary backbone systems, including gateways, routers, bridges, network hubs, switches, and key encryption equipment.
- Non-Corporate secure and non secure data and video networks
- Consisting of customer owned LANs, BANs, and WANs, remote access, and associated hardware and software components, when requested by the customer.
- RDT&E Head Ends.
- The Contractor will be required to operate and maintain all Head End components.

3.2.4.2 The NAVAIR Network Operations and Security Center (NOSC) facilities at Patuxent River, China Lake and at Point Mugu house critical backbone components for the RDT&E environment. At times, these facilities will be toured by distinguished personnel interested in RDT&E operations. These tours will be conducted periodically and at times with very little notice. Contractor personnel that are based in the NOSC facility at Patuxent River and China Lake are required to maintain professional appearances in personal dress as well as their various working areas. Desktop areas will remain organized and a professional appearance and behavior will be required at all times.

3.2.4.3 Additionally, the racked area where equipment critical to RDT&E operations is housed will be maintained in an organized manner with proper cable dressing and labeling and equipment properly labeled and securely mounted. These facilities will be kept clean, organized, and ready for touring/inspection at any given time. Areas for equipment buildup/breakdown/maintenance/testing should be kept clean and well organized, but if impractical, at minimum, these areas will be separated from general view with some type of partitioning.

3.2.5 Technologies/Systems The contractor shall be knowledgeable in the following technologies and their operational requirements:

3.2.5.1 Voice technology:

- IP-Based Phones. Audio that utilizes IP-based telephone equipment over the RDT&E voice, video and data communication systems.
- ATM-Based Phones. Audio that utilizes NATIVE ATM-based telephone equipment over the RDT&E voice, video and data communication systems.

3.2.5.2 Multimedia Technology:

- In-Band IP-Based Video. Audio that utilizes in-band IP-based video equipment over the RDT&E voice, video and data communication systems.
- Data/Network Protocols Technology:
 - (1) Asynchronous transfer mode (ATM).
 - (2) Telemetry (to Include SONET).
 - (3) Ethernet (10, 100, 1000 BaseT).
 - (4) Secure encrypted protocols (Key Mat).

CONTRACT NO. N00178-05-D-4623	DELIVERY ORDER NO. M801	AMENDMENT/MODIFICATION NO. 48	PAGE 23 of 67	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

3.2.5.3 Network Transports:

- (1) Wired (copper) (CAT 5, 6e, and etc.).
- (2) Wireless (802.11 A, B, and etc.), Section 2.24.
- (3) Fiber optic (SM, MM).
- (4) Ethernet (10, 100, 1000 BaseT).
- (5) Satellite.
- (6) Terrestrial.
- (7) UHF/VHF/RF.
- (8) Microwave.
- (9) Submarine cabling (Pt. Mugu to San Nicolas Island).
- (10) Non-secure network equipment (CISCO routers, Marconi ATM switches, and etc.).
- (11) Secure network equipment (NES, TACLANE, FASTLANE, and etc.).
- (12) Signal repeaters for audio, video, data and telephones.

3.2.5.4 Wide Area Network (WAN):

- (1) Corporate RDT&E WAN Links—voice, video and data communication systems off-Center wide area circuits.
- (2) DREN/SDREN circuit.
- (3) DISN-LES.
- (4) SIPRNet circuit.
- (5) Customer WAN links—Customer RDT&E voice, video and data communication systems off-Center wide area circuits.
- (6) Corporate firewall operations and support—IA Group policy, all firewall operations and support for off-Center wide area circuits.
- (7) VPN operations and support—IA Group policy, all VPN operations and support for off-Center wide area circuits.

3.2.5.5 Base Area Network (BAN):

- (1) RDT&E voice, video and data communication systems backbones at NAVAIR and its attached activities.
- (2) RDT&E voice, video and data communication systems backbones at the China Lake Land and Sea Ranges.

g. Local Area Network (LAN):

- (1) RDT&E voice, video and data communication systems LANs at both China Lake and Point Mugu; and
- (2) RDT&E voice, video and data communication systems LANs for other NAVAIR and attached Activities.

3.2.5.6 Network Applications and Services:

- (1) RF over fiber;
- (2) Streaming video;
- (3) Telemetry links;

CONTRACT NO. N00178-05-D-4623	DELIVERY ORDER NO. M801	AMENDMENT/MODIFICATION NO. 48	PAGE 24 of 67	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

(4) Video collaboration

(5) Voice over IP;

(6) GCCS-M / ELVIS-II (Global Command & Control System--Maritime/Enhanced Link Virtual Information System);

(7) Physical/logical isolation

(8) Bleeding and leading edge systems;

(9) Blunt edge and obsolete systems; and

3.2.6 Response Times and Operational Requirements. The Contractor shall:

- Ensure that the WAN and BAN links are operational during the hours of 0600 to 1800. Operational requirements outside of these hours will be scheduled in accordance with project requirements. The network will have planned internal and external maintenance downtimes, excluding acts of God.
- Ensure that all specific and unique LAN uptimes (tests, etc.), defined in a customer requests, are met or exceeded.
- Respond within one (1) hour to all WAN and BAN trouble calls during the hours of 0600 and 1800 hours.
- Respond within two (2) hours to all WAN and BAN trouble calls between the hours of 1801 and 0559 hours.
- Ensure that all WAN and BAN planned maintenance and/or downtimes occur as scheduled and on a regular basis (i.e., NAVAIR Maintenance window (normally, third Friday of every month between the hours of 2000 hrs to 0400 hours).

3.2.7 Configuration Management. All configuration management work shall conform to established policy and procedures.

The contractor shall complete existing databases for spares, network equipment, test equipment and RDT&E network operations assets. The media, unless otherwise agreed to, shall be VISIO and MS Excel. The Contractor shall maintain these databases on the designated server and e-mail detailed reports to the RDT&E Operations Manager on the last workday of each month.

3.2.8 Billing and Work Tracking. The contractor shall provide financial data for all RDT&E O&M work performed under this PBSOW to the appropriate business team for logging, tracking, billing and reporting of financial transactions.

3.2.9 Status Tracking. The contractor shall maintain current task status in the government's designated tracking system. This may require direct entry or coordination for entry with the IT/IM Department and the National Help Desk provider.

3.2.10 RDT&E Infrastructure Division Database. The contractor shall obtain and populate data into the RDT&E Infrastructure Division database and maintain near real time accurate data (e.g. current migration status, IP addresses, etc). The contractor shall follow clearly outlined procedures to ensure migration responsibilities are handled in a timely manner as tracked by the RDT&E Infrastructure Division's tracking system and notifications generated by the RDT&E Infrastructure Division database system.

3.2.11 Material Management. The Contractor shall:

- Identify all material prior to purchase to the Government Lead and the TA/ATA to determine most appropriate procurement process.
- Track and report all equipment/materials to the appropriate NAVAIR AD or WD property administrator designated in the contract.
- Ensure that materials supporting direct-charged services used on this contract are billed-back 100% to the appropriate customer.

CONTRACT NO. N00178-05-D-4623	DELIVERY ORDER NO. M801	AMENDMENT/MODIFICATION NO. 48	PAGE 25 of 67	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

3.2.12 Property Management. The Contractor shall perform property management tasks such as bar coding equipment, entering data in the government property system, maintaining data, i.e., keep data current and accurate, and print reports.

3.2.13 Network Operations and Security Center (NOSC) Operations.

3.2.13.1 The contractor shall provide support for system setup and installation of workstations and servers, software installation and configuration, troubleshoot software related customer issues, primary interface with account administrators to resolve account and password issues. Provide support for scheduled outages and participate in efforts to accommodate moves. Perform security hardening and security scans on all systems before they can be granted accreditation and approval to join the RDT&E network.

3.2.13.2 The contractor shall provide System Administration as required for operating systems including, but not limited to, Windows, UNIX and Linux.

3.2.13.3 The contractor shall provide program, engineering (i.e., network design, installation, integration, and troubleshooting), and technical support for the classified and unclassified Research, Development, Test and Engineering networks.

3.2.13.4 The contractor shall perform monthly security and vulnerability scans, apply patches as needed to meet IAV alerts or IAV bulletins, and report compliance to the RDT&E Infrastructure Division management and local security representatives.

3.2.13.5 The contractor shall work closely with Information Assurance Vulnerability Management (IAVM), including the Information Assurance Officer to ensure compliance in order to prevent loss of network service.

3.2.14 Protected Distribution System (PDS). The contractor shall perform a daily check of PDS including, but not limited to, the following: Check manholes in all zones and verify covers are in place and no damage is done that would make PDS vulnerable. Verify that any unauthorized persons have not tried to obtain entry into the manhole. Check pedestals in all zones. Verify that pedestal doors are closed and locks/tags are in place. Verify that any unauthorized persons have not tried to obtain entry into the pedestals. Check Optical Cables to verify that any unauthorized persons have not tried to obtain entry into the PDS by damaging pipes, concrete, or cables Entrance Facilities (OCEF) in all Fiber Distribution Nodes (FDN) locations. Verify that alarms are set and locks/tags are in place. Verify that any unauthorized persons have not tried to obtain entry into the OCEF's and FDN locations. Check Pull Boxes in all zones. Verify that door is closed and locks/tags are in place. Verify that any unauthorized persons have not tried to obtain entry into the Pull Boxes. Check communication rooms in all zones. Verify that doors to cabinets are closed and locked/tagged. Verify that alarms are set. Verify that any unauthorized persons have not tried to obtain access to the communications rooms.

3.3 Information Assurance (IA)

3.3.1 IA General. The following sections detail security requirements in support of this PBSOW. This tasking provides for the IA and physical security responsibilities for the RDT&E network infrastructure and verifies that all security on PBSOW is carried out in accordance with DoD, DoN and Command Directives and Instructions. Furthermore, this IA Team ensures that the other functional areas on this contract comply with IA policies, processes and procedures.

3.3.2 RDT&E IA Support. The Contractor shall, with close interface with the RDT&E IA Lead and Information Assurance Manager:

- Develop, submit and maintain certification and accreditation (C&A) documentation in accordance with established policy and procedures (i.e., System Security Authorization Agreement (SSAA)).
- Ensure that all information technology resources procured, installed, and maintained in support of this PBSOW meet IA security requirements in accordance with established policy and procedures.
- Ensure that all information technology resources procured, installed, and maintained in support of this PBSOW maintain the most current version of anti-virus protection in accordance with established policy and procedures.
- Review customer Work Planning Packages (WPPs) for IA security input. Review and track RDT&E customer

CONTRACT NO. N00178-05-D-4623	DELIVERY ORDER NO. M801	AMENDMENT/MODIFICATION NO. 48	PAGE 26 of 67	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

security requirements for RDT&E connectivity in accordance with established policy and procedures.

- Coordinate and participate in certification, test and evaluation (CT&E), security test and evaluation (ST&E) and C&A exercises and in accordance with established policy and procedures.
- Ensure physical security requirements are met and maintained (open storage certifications, TEMPEST) to include access control systems (combination locks, keycard system) in accordance with established policy and procedures.
- Ensure COMSEC requirements are met for the handling, storage and operations of COMSEC hardware and material in accordance with established policy and procedures.
- Obtain customer feedback regarding all services provided under this PBSOW. Provide metrics to the Government Lead and the TA/ATA on a monthly basis.

3.3.3 Documentation. In near real-time, discuss all security-related issues and findings with the RDT&E IA Lead and AIC/WIC Operations Leads. Within one workday of findings, document findings and recommendation using agreed upon digital format.

3.3.4 RDT&E IA Requirements. The contractor shall provide the following services in accordance with established policy and procedures, to outside customers in accordance with an established RDT&E fee structure:

- IAO Services
- Develop and or assist in the development of the RDT&E Infrastructure Division's security accreditation documentation, keeping it up to date to ensure the RDT&E Infrastructure Division adheres to the DAA approved interim authority to operate (IATO).
- Interface with the NAVAIR Security Team (7.2.6) as required.
- Develop Memoranda of Agreement and Memoranda of Record
- Maintain tracking of all NAVAIR MOAs, site specific, tracking expiration dates as well as individual RDT&E laboratory accreditation IATO status to ensure accreditation timeframe meets MOA agreement timelines.
- Interface with individual NAVAIR RDT&E Lab Managers for adherence to IA requirements (scanning of systems/IAVA compliancy)
- Certification and Accreditation Services.
- Customer CMS Services.
- Security Checks/Walk-throughs.
- Tempest Evaluations.
- Security Training.
- Perform as a Public Key Infrastructure (PKI) trusted agent responsible to the IA Local Registration Authority (LRA); assist the customer in installing and configuring DOD PKI personal and server certificates in accordance with established policy and procedures.
- Evaluate IA products in accordance with established policy and procedures. Make recommendation to the RDT&E IA Lead and AIC and WIC Operational Lead for the selection of IA products.

3.3.5 Customer Billing and Work Tracking. The Contractor shall provide financial data for all RDT&E IA work performed under this contract to the Business Team for logging, tracking, billing and reporting of financial transactions.

3.4 High Performance Computing (HPC)

3.4.1 Because of the importance of High Performance Computing to the Department of Defense (DoD) mission, the Office of the Secretary of Defense created a Program under DDR&E for this specific purpose. That Program and Office

CONTRACT NO. N00178-05-D-4623	DELIVERY ORDER NO. M801	AMENDMENT/MODIFICATION NO. 48	PAGE 27 of 67	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

are the DoD High Performance Computing Modernization Program/Office (HPCMP/O). That office created a Program consisting of several component sub-programs, providing among other things hardware, centralized high performance computing facilities, backbone networks, programs for software development and more. Each DoD Service and Agency participates in this program and may draw resources from it. The Integrated Battlespace Simulation and Test Department has been tasked to provide the HPC support for utilization of HPC facilities.

3.4.2 Scope

3.4.2.1 The NAVAIR HPC Project Lead/S/AAA is responsible for overseeing the administration of accounts, security, reporting and other activities. The S/AAA serves as the liaison between the Program for the users of the HPC resources, the management of the HPC Centers and the Program Office. The contractor shall provide the full range of technical services and management support necessary to satisfy the NAVAIR HPC mission requirements to support the NAVAIR HPC Project Lead/ Service/Agency Approving Authority (S/AAA) to include the following:

3.4.2.1.1 The S/AAA's are a critical link in the DoD HPCMP, a DDR&E level program, as the primary point of contact with the Program for the users of HPC resources, the management of the HPC Centers and the Program Office.

3.4.2.1.2 Proficiency with e-mail, internet, word-processing and spreadsheet packages. This requires experience with the operations, functions, objectives, and administrative procedures of NAVAIR and the DoD High Performance Computing Modernization Program in the areas of Security, administration of accounts and planning and managing account allocations.

3.4.2.1.3 User Liaison – When problems exist between an HPC Center and a user, and said problems cannot be satisfactorily resolved by the user and Center Staff working together, the S/AAA acts as a mediator or brings the issue to higher authority such as the NAVAIR Lead S/AAA for resolution.

3.4.2.1.4 User consultant – The S/AAA provides users not only with information about what systems are available through the DoD HPCMP, but also what training is available for using a particular Center/system.

3.4.2.1.5 Account Administration – These duties are the time-consuming brunt of the S/AAA's job. S/AAA provides account applications support and to potential users, ensuring applications for DoD HPCMPO's Information Environment (IE) accounts have been filled out properly; new projects and sub-projects are approved and established. It is critical for the S/AAA to keep track of all projects and users. The S/AAA works with the Centers to eliminate expired accounts, to have passwords reset when necessary. The S/AAA prepares the Security Visit requests to establish and follow through on securing verified security information for the centers.

3.4.2.1.6 Requirement's Surveys – The DoD HPCMP carefully tracks user requirements by having users fill out a survey each year. The S/AAA coordinates this activity and ensures the researcher/engineers requirements are reflected accurately. S/AAA also sets up interviews with the HPCMP requirements survey team from the High Performance Computing Modernization Program Office (HPCMPO). These interviews are lengthy and occur bi-annually. The interviews provide the HPCMPO with a better idea of researchers needs as well as feedback on how well the program is meeting the researcher/engineers needs.

3.4.2.1.7 Accounting – All Centers e-mail project and/or user accounting to the S/AAA's. In addition, project and/or user account information is available thru the DoD HPCMPO IE web based tool. The S/AAA will provide management with a regular report of this information. The S/AAA will be responsible for providing or verifying the usage statistics. In addition to being responsible for establishing project accounts, setting up the initial CPU hour allocation, the S/AAA will monitor and track project CPU usage and coordinate CPU hour increments/decrements as appropriate in accordance with management guidance.

3.4.2.1.8 Provide guidance, input, and preparation support to the NAVAIR RDT&E Labs for HPC datacalls and proposal development.

3.5 Functional Area Manager (FAM) Support

3.5.1 This functional area includes the full range of engineering, technical, and management support services necessary to satisfy the RDT&E Infrastructure Division mission requirements to support the Navy Functional Area Manger (FAM) for Test and Evaluation (T&E). The performance-based outcomes for this requirement are activities in support of implementation of and compliance with policy and procedures that are under the cognizance of the

CONTRACT NO. N00178-05-D-4623	DELIVERY ORDER NO. M801	AMENDMENT/MODIFICATION NO. 48	PAGE 28 of 67	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

Navy FAM for T&E. The measures of success are based on the timeliness and accuracy of products and services provided.

3.5.2 Outcomes to be satisfied are:

- Registration of T&E software applications and databases in the DON Applications and Database Management System (DADMS).
- Assign Disposition of T&E software applications and databases in DADMS.
- Map T&E software applications and databases in DADMS.
- Perform harmonization of T&E databases.
- Conduct Business Case Analysis of T&E approved and Allowed with Restriction applications in DADMS
- Provide technical and engineering support to the NAVAIR FAM for T&E in advocating, supporting and ensuring the development, maintenance, registration, and discovery for the FAM process
- Provide engineering and technical support in implementing the Department of the Navy (DON) XML strategy and processes to monitor and manage the use of XML within the T&E functional area.
- Serve as a member of the DON Data Management governance organization (XML Business Standards Council (BSC) and Functional Data Manager Council (FDM)) in support developing strategy and implementing DON policies for Data Management including the use of XML.

3.6 Firm Fixed Priced CLINs

3.6.1 Engineering and Systems Acquisition Support. The contractor shall document, per CDRL A002, networks/systems including those that are added, physically changed or altered. This includes maintaining the existing RDT&E Master CM Inventory and RDT&E VISIO documentation current and accurate pertaining to:

- Site, building, floor, room and room location of the equipment (active and spares).
- Disposition of failed equipment to include, site, building, floor, room and room location of the equipment. Records will be kept of all excessed equipment.

The contractor shall complete existing databases for spares, network equipment, test equipment and RDT&E network operations assets. The media, unless otherwise agreed to, shall be VISIO and MS Excel. The Contractor shall maintain these databases on the designated server and e-mail detailed reports to the RDT&E Operations Manager on the last workday of each month.

3.6.2 Engineering and Systems Acquisition Support - Detail and Custom Reports. The Contractor shall perform Service Cost Center forecasting, planning, reporting, allocation, and billing; preparing and presenting cost performance reviews; reporting and analysis; project and work order cost estimating, tracking, and reporting; resource utilization collection, reporting and analysis; estimate-at-completion (EAC) development; trend analysis and reporting; responding to billing inquiries; cost impact development and analysis; service and product rate development and cost/price analysis; commitment and purchase order tracking and reporting; job order/chargeable object change pricing and tracking; risk analysis and mitigation; cost and resource variance analysis; responding to data and funding calls; detail and summary cost tracking and reporting; customized forecasting, tracking, reporting, and analysis; tracking and analyzing inventory in stockroom to billings; inventory turnover tracking and analysis; improving business process cost effectiveness and efficiency; performance metric collection, reporting, and analysis; accrual processing; journal entry posting; general ledger account mapping; importing and exporting financial data; performing labor distributions; developing fair-value and defensible pricing rates and strategies; internal and external benchmarking; analyzing Contractor labor billing rates to service center billing rates. These services shall also be provided/customized for customer-defined criteria. Reports to be generated include:

- Revenue and Expense Report. Utilizing the RDT&E Fee for Service Model, the Contractor shall provide a Revenue and Expense Report that shows the revenue generated by all CRF or work request tasks during the month and the expenses (costs) including service cost center fees, incurred during the month. The report shall also include year-to-date cumulative data, as well as projections for each successive month's revenues and expenses with

CONTRACT NO. N00178-05-D-4623	DELIVERY ORDER NO. M801	AMENDMENT/MODIFICATION NO. 48	PAGE 29 of 67	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

explanations where necessary. An overall quarterly projection for each quarter and tenth and eleventh month projection (projecting year end) will also be required.

- End-Customer Billing Report. Utilizing the RDT&E Fee for Service Model, the Contractor shall provide an end-customer billing report that coincides with the Contractor's accounting cycle. The report shall, as a minimum, reference all active CRFs and work requests plus information for each CRF, including: (1) performing cost center; (2) cost distribution identifier; (3) performance date; (4) job order number; (5) benefiting cost center; (6) quantity; (7) dollar amount; (8) work tracking number; and (9) document number.

- Voucher Billing Reports. Utilizing the RDT&E Fee for Service Model, the Contractor shall provide billing reports that include actual costs invoiced/submitted to the Government in order to validate the Contractor's actual billing against the data reported in the Government accounting system. This report shall include the following minimum information for each billing cycle: (1) period of performance; (2) dollar amount by ACRN; and (3) year-to-date cumulative data.

3.6.3 RDT&E IA Support. The Contractor shall, with close interface with the RDT&E IA Lead and Information Assurance Manager:

- Perform IA and Information Assurance Officer (IAO) functions in accordance with established procedures. These functions shall include reviewing hardware, software and configuration changes, reviewing and maintaining audit logs and validating vulnerability scans and patch management.
- Track and validate all Information Assurance Vulnerability Alerts (IAVAs) and Information Assurance Vulnerability Bulletins (IAVBs).

4.0 Performance Standards

4.1 The performance standards are identified in the Quality Assurance Surveillance Plan.

5.0 Security

5.1 Only United States citizens may perform under this contract. The contractor shall conform to the provisions of DOD-D-5220.22, "National Industrial Security Program," and shall obtain security clearances for contractor employees requiring access to classified information and/or entry to controlled areas. Some tasks may require up to a Top Secret clearance, although most work will be unclassified. Contractor personnel shall have the ability to obtain up to a Top Secret level clearance, if required.

5.2 Identification Badges: Contractor identification badges shall be issued by the Government to on-site contractor personnel and must be visible at all times while contractor employees are at NAVAIR sites. The contractor must furnish all requested information required to facilitate issuance of identification badges and must conform to applicable regulations concerning the use and possession of the badges. The contractor shall be responsible for ensuring that all identification badges issued to contractor employees are returned to the Security Department at NAVAIR within 48 hours following the completion of the contract relocation, or termination of an employee, or upon the request of the Contracting Officer.

5.3 Identification of Contractor Personnel: Corporation affiliation shall be references on all written documentation that refers to contractor personnel. This is required for internal and external communications. Similarly, the contractor affiliation shall be identified when answering phone calls, and at the beginning of any meeting or conference where contractor personnel are in attendance.

5.4 Information Technology Security: The Department of the Navy (DON) Automated Data Processing (ADP) Security Program outlined in OPNAVINST 5239.1B, or the most current version of this instruction, applies to all efforts under this contract.

6.0 Travel

6.1 The Contractor may be required to travel in performance of this task order. Costs associated with travel and lodging shall be reimbursed in accordance with the Joint Travel Regulations (JTR).

6.2 The numbers of trips and types of personnel traveling shall be limited to the minimum required to accomplish

CONTRACT NO. N00178-05-D-4623	DELIVERY ORDER NO. M801	AMENDMENT/MODIFICATION NO. 48	PAGE 30 of 67	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

work requirements and shall be coordinated with the TOM.

6.3 Travel may include, but is not limited to, various contractor facilities, Navy facilities, DOD facilities, other government agency offices (e.g. Federal Aviation Administration, test ranges, operational activities, project / program offices, and intelligence & support activities), conferences, and seminars.

7.0 Access to Office Furnishings and Equipment

The contractor shall have access to office furnishings, telephone, and photocopy equipment as required when performing tasks under this order on Government site in a duty authorized fashion.

8.0 Access to Systems/Software/Documentation

For onsite support, the Government will provide required access to Corporate Computer Systems or databases, and authorizations, account numbers and passwords as necessary. Software specified as necessary to perform task under this order would be provided by the Government, unless otherwise indicated. The Government will make available to the contractor any existing documents, drawings or databases required to perform tasks under this order.

9.0 Government Furnished Property and Spaces

The government shall provide on-site office space where applicable, access to all tools, spare parts, test equipment, and laboratory space. The necessity for contractor seats on the Navy-Marine Corps Internet (NMCI) shall be determined on an as needed basis. If contractor access to NMCI is deemed necessary to provide technical support for any task under this procurement, access shall be provided by the government.

10.0 Place of Performance

Primary place of performance shall be at the Government facility, NAVAIR-AD, Naval Air Station, Patuxent River, MD and NAVAIR-WD, China Lake, CA.

CONTRACT NO. N00178-05-D-4623	DELIVERY ORDER NO. M801	AMENDMENT/MODIFICATION NO. 48	PAGE 31 of 67	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

SECTION D PACKAGING AND MARKING

Clauses specified in Section D of the Seaport-e basic contract are incorporated into this order if applicable.

5252.223-9502 HAZARDOUS MATERIAL (NAVAIR) (OCT 2005)

(a) Packaging, Packing, Marking and Labeling Hazardous materials to be shipped by any mode or combination of transportation modes shall be prepared (properly classed, described, packaged, marked, labeled, transport vehicle placarded, etc.) for shipment in accordance with MIL-STD-129 and all applicable government and carrier regulations in effect at the time of shipment.

(b) In the event of a conflict between specific requirements in the contract or order and existing applicable regulations, the regulations take precedence. Under no circumstances shall the contractor knowingly use materials, markings or procedures that are not in accordance with laws and regulations applicable to the mode of transportation employed.

(c) To ascertain which Department of Defense, or local installation regulations, concerning hazardous materials may impact on this contract, the contractor should contact the Contracting Officer's Representative.

5252.247-9507 PACKAGING AND MARKING OF REPORTS (NAVAIR) (OCT 2005)

(a) All unclassified data shall be prepared for shipment in accordance with best commercial practice. Classified reports, data and documentation, if any, shall be prepared for shipment in accordance with the National Industry Security Program Operating Manual, DoD 5220.22-M.

(b) The contractor shall prominently display on the cover of each report the following information:

- (1) Name and business address of contractor.
- (2) Contract Number/Delivery/Task order number.
- (3) Contract/Delivery/Task order dollar amount.
- (4) Whether the contract was competitively or non-competitively awarded.
- (5) Name of sponsoring individual.
- (6) Name and address of requiring activity.

5252.247-9514 TECHNICAL DATA PACKING INSTRUCTIONS (NAVAIR) (SEP 1999)

Technical Data and Information shall be packed and packaged for domestic shipment in accordance with best commercial practices. The package or envelope should be clearly marked with any special markings specified in this contract (or delivery/task order), e.g., Contract Number, CLIN, Device No., and document title must be on the outside of the package. Classified reports, data and documentation, if applicable, shall be prepared for shipment in accordance with Defense Industrial Manual for Safeguarding Classified Information, DoD 5520.22M.

CONTRACT NO. N00178-05-D-4623	DELIVERY ORDER NO. M801	AMENDMENT/MODIFICATION NO. 48	PAGE 32 of 67	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

SECTION E INSPECTION AND ACCEPTANCE

Clauses specified in Section E of the Seaport-e basic contract are incorporated into this order if applicable.

CONTRACT NO. N00178-05-D-4623	DELIVERY ORDER NO. M801	AMENDMENT/MODIFICATION NO. 48	PAGE 33 of 67	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

SECTION F DELIVERABLES OR PERFORMANCE

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

1000	9/20/2007 - 6/16/2008
1100	6/17/2008 - 1/22/2009
1200	1/23/2009 - 6/3/2009
2000	9/20/2007 - 6/16/2008
2100	6/17/2008 - 1/22/2009
2200	1/23/2009 - 6/3/2009
3000	9/20/2007 - 6/16/2008
3001	9/20/2007 - 6/16/2008
3100	6/17/2008 - 1/22/2009
3101	6/17/2008 - 1/22/2009
3200	1/23/2009 - 6/3/2009
3201	1/23/2009 - 6/3/2009
4300	6/4/2009 - 6/3/2010
4400	2/20/2010 - 10/12/2010
5300	6/4/2009 - 6/3/2010
5400	2/20/2010 - 10/12/2010
6300	6/4/2009 - 6/3/2010
6301	6/4/2009 - 6/3/2010
6400	2/20/2010 - 10/12/2010
6401	2/20/2010 - 10/12/2010

Clauses specified in Section F of the Seaport-e basic contract are incorporated into this order if applicable.

CLIN - DELIVERIES OR PERFORMANCE

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

1000	9/20/2007 - 6/16/2008
1100	6/17/2008 - 1/22/2009
1200	1/23/2009 - 6/3/2009
2000	9/20/2007 - 6/16/2008
2100	6/17/2008 - 1/22/2009
2200	1/23/2009 - 6/3/2009
3000	9/20/2007 - 6/16/2008
3001	9/20/2007 - 6/16/2008
3100	6/17/2008 - 1/22/2009
3101	6/17/2008 - 1/22/2009
3200	1/23/2009 - 6/3/2009
3201	1/23/2009 - 6/3/2009
4300	6/4/2009 - 6/3/2010
4400	2/20/2010 - 10/12/2010

CONTRACT NO. N00178-05-D-4623	DELIVERY ORDER NO. M801	AMENDMENT/MODIFICATION NO. 48	PAGE 34 of 67	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

5300	6/4/2009 - 6/3/2010
5400	2/20/2010 - 10/12/2010
6300	6/4/2009 - 6/3/2010
6301	6/4/2009 - 6/3/2010
6400	2/20/2010 - 10/12/2010
6401	2/20/2010 - 10/12/2010

5252.247-9505 TECHNICAL DATA AND INFORMATION (NAVAIR) (FEB 1995)

Technical Data and Information shall be delivered in accordance with the requirements of the Contract Data Requirements List, DD Form 1423, Exhibit A, attached hereto, and the following:

(a) The contractor shall concurrently deliver technical data and information per DD Form 1423, Blocks 12 and 13 (date of first/subsequent submission) to all activities listed in Block 14 of the DD Form 1423 (distribution and addresses) for each item. Complete addresses for the abbreviations in Block 14 are shown in paragraph (g) below. Additionally, the technical data shall be delivered to the following cognizant codes, who are listed in Block 6 of the DD Form 1423.

(1) Pamela Gray, Code 2.5E, 21983 Bundy Road, Building 441, Patuxent River, MD 20670

(2) Barry Lipton, Code KKA, 217 East Redwood Street, Suite 1800, Baltimore, MD 21202-3375

(b) Partial delivery of data is not acceptable unless specifically authorized on the DD Form 1423, or unless approved in writing by the PCO.

(c) The Government review period provided on the DD Form 1423 for each item commences upon receipt of all required data by the technical activity designated in Block 6.

(d) A copy of all other correspondence addressed to the Contracting Officer relating to data item requirements (i.e., status of delivery) shall also be provided to the codes reflected above and the technical activity responsible for the data item per Block 6, if not one of the activities listed above.

(e) The PCO reserves the right to issue unilateral modifications to change the destination codes and addresses for all technical data and information at no additional cost to the Government.

(f) Unless otherwise specified in writing, rejected data items shall be resubmitted within thirty (30) days after receipt of notice of rejection.

(g) DD Form 1423, Block 14 Mailing Addresses: 5410000

Naval Air Systems Command
Attn: Dennis Spencer
47762 Ranch Road
Bldg 1463, Rm 5
Patuxent River, Maryland 20670-1907

SECTION G CONTRACT ADMINISTRATION DATA

Clauses specified in Section G of the Seaport-e basic contract are incorporated into this order if applicable.

SEA 5252.232-9104 ALLOTMENT OF FUNDS (MAY 1993)

(a) This contract is incrementally funded with respect to both cost and fee. The amount(s) presently available and allotted to this contract for payment of fee for incrementally funded contract line item number/contract subline item number (CLIN/SLIN), subject to the clause entitled "FIXED FEE" (FAR 52.216-8) or "INCENTIVE FEE" (FAR 52.216-10), as appropriate, is specified below. The amount(s) presently available and allotted to this contract for payment of cost for incrementally funded CLINs/SLINs is set forth below. As provided in the clause of this contract entitled "LIMITATION OF FUNDS" (FAR 52.232-22), the CLINs/SLINs covered thereby, and the period of performance for which it is estimated the allotted amount(s) will cover are as follows:

Item(s)	Allotted to Cost	Allotted to Fee	Estimated Period of Performance
1000	[REDACTED]	[REDACTED]	9/17/2007-6/16/2008
1100	[REDACTED]	[REDACTED]	6/17/2008-1/22/2009
1200	[REDACTED]	[REDACTED]	1/23/2009-6/3/2009
4300	[REDACTED]	[REDACTED]	6/4/2009-6/03/2010
4400	[REDACTED]	[REDACTED]	2/20/2010-10/12/2010

(b) The parties contemplate that the Government will allot additional amounts to this contract from time to time for the incrementally funded CLINs/SLINs by unilateral contract modification, and any such modification shall state separately the amount(s) allotted for cost, the amount(s) allotted for fee, the CLINs/SLINs covered thereby, and the period of performance which the amount(s) are expected to cover.

(c) CLINs/SLINs [see below] are fully funded and performance under these CLINs/SLINs is subject to the clause of this contract entitled "LIMITATION OF COST" (FAR 52.232-20) or "LIMITATION OF COST (FACILITIES)" (FAR 52.232-21), as applicable.

(d) The Contractor shall segregate costs for the performance of incrementally funded CLINs/SLINs from the costs of performance of fully funded CLINs/SLINs.

FUNDING PROFILE

The following details funding for Award Term B to date:

Award Term B Funding Table:

	CLIN Total	Funds this Action	Previous Funding	Funds Available	Balance Unfunded
4400	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
5400	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
6400	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
6401	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
Total	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Note: The following Sub-Line Item Numbers were de-obligated:

640104 [REDACTED] PR: 1300157477-0001
640122 [REDACTED] PR: 1300175950-0001

CONTRACT NO. N00178-05-D-4623	DELIVERY ORDER NO. M801	AMENDMENT/MODIFICATION NO. 48	PAGE 36 of 67	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

5252.232-9504 SPECIAL PAY INSTRUCTIONS FOR PAYING OFFICE (NAVAIR) (MAY 2006)

- (a) Invoices submitted for payment, which do not contain contract line item number (CLIN) (or subline item number (SLIN), if any) and the accounting classification references number (ACRN) information, will be returned for correction.
- (b) The disbursement of funds will be by the CLIN/SLIN/ACRN designation.
- (c) If progress payments are authorized, payments will be made against the unliquidated balance of all applicable CLINs/SLINs.

5252.232-9504 I SPECIAL PAY INSTRUCTIONS FOR PAYING OFFICE (NAVAIR)– ALT I (MAY 2006)

Make the following changes to the basic clause: Add paragraph (a) below and redesignated paragraphs (a), (b), and (c) as (b), (c), and (d) respectively. Add paragraph (e) below.

- (a) All payments against informational (numeric) sub-line items (SLINs) shall be processed manually by the paying office.

5252.232-9510 PAYMENT OF FIXED FEE (NAVAIR) (OCT 2005)

- (a) The fixed fee, as specified in Section B of this contract, subject to any adjustment required by other provisions of this contract, will be paid in installments. The fixed fee will be paid not more frequently than monthly based on the allowable cost. The amount of each such installment shall be in the same ratio to the total fixed fee as the net direct labor hours expended during the installment period is to direct labor hours specified in the clause entitled "Level of Effort". Payment shall be made in accordance with FAR Clauses 52.216-7, "Allowable Cost and Payment", and 52.216-8, "Fixed Fee".
- (b) In the event of termination of the work in accordance with the FAR Clause 52.232-22, "Limitation of Funds", the fixed fee shall be redetermined by mutual agreement equitably to reflect the reduction of the work performed. The amount by which such fixed fee is less than or exceeds payments previously made on account of fee, shall be paid to (or repaid by) the contractor.
- (c) The balance of the fixed fee shall be payable in accordance with other clauses of this contract.
- (d) For indefinite delivery type contracts the terms of this clause apply to each delivery/task order there under.

5252.232-9511 NOTICE OF REQUIREMENTS FOR PROMPT PAYMENT (NAVAIR) (OCT 2005 MAR 2006)

The Government anticipates that this contract will be distributed to Defense Finance and Accounting Service (DFAS) through the Navy Air Force Interface (NAFI) to by the DOD Electronic Document Access (EDA) system. DFAS is responsible for payment of contractor invoices.

- (a) In accordance with FAR Clause 52.232-33 "Payment By Electronic Funds Transfer--Central Contractor Registration", the contractor is responsible for providing updated information to the Central Contractor Register (CCR) database. Additionally, the contractor is responsible for maintaining its active status in the CCR database.
- (b) If the DUNS, CAGE code, TIN or address set forth in the contract do not match the information in the CCR, then DFAS will return invoices without payment. Therefore, it is imperative that the contractor ensure the DUNS, CAGE code, TIN and contractor address on the contract are accurate and in compliance with the CCR database. Additionally, any changes/updates made to the CCR database should be communicated to the Contracting Officer for the purpose of modifying the contract to reflect the new data.

5252.232-9513 INVOICING INSTRUCTIONS AND PAYMENT (WAWF INSTRUCTIONS) (MAR 2006)

- (a) Invoices for goods received or services rendered under this contract shall be submitted electronically through Wide Area Work Flow – Receipt and Acceptance (WAWF):

(1) The vendor shall self-register at the web site <https://wawf.eb.mil>. Vendor training is available on the Internet at <http://www.wawftraining.com>. Additional support can be obtained by calling the NAVY WAWF Assistance Line:

CONTRACT NO. N00178-05-D-4623	DELIVERY ORDER NO. M801	AMENDMENT/MODIFICATION NO. 48	PAGE 37 of 67	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

1-800-559-WAWF (9293).

(2) WAWF Vendor “Quick Reference” Guides are located at the following web site: <http://www.acquisition.navy.mil/navyaos/content/view/full/3521>

(3) Select the invoice type within WAWF as specified below. Back up documentation (such as timesheets, etc.) can be included and attached to the invoice in WAWF. Attachments created in any Microsoft Office product are attachable to the invoice in WAWF. Total limit for the size of files per invoice is 5 megabytes.

(b) The following information, regarding invoice routing DODAAC’s, must be entered for completion of the invoice in WAWF:

WAWF Invoice Type:	Access the following web site for information on invoice types: http://www.wawftraining.com/courses/_content_package/content_files/menuTree.html Click on Vendor, then Determine Type of Document to Create.
Issuing Office DODAAC	N00421
Admin Office DODAAC:	See Block 6 of Task Order front page
Inspector DODAAC (if applicable):	N00421
Ship To DODAAC (for Combo),	N00421
Service Acceptor DODAAC (for 2 in 1),	N00421
Service Approver DODAAC (for Final Cost Voucher) (if applicable)	N00421
Acceptor DODAAC (if applicable):	N00421
Local Processing Office (LPO –if applicable):	N/A
DCAA Office DODAAC (Cost Voucher Approver – if applicable):	HAA719
Paying Office DODAAC:	HQ0338

(c) The contractor shall submit invoices / cost vouchers for payment per contract terms. Contractors approved by DCAA for direct billing will not process vouchers through DCAA, but may submit directly to DFAS. Final voucher submission will be approved by the ACO.

(d) The Government shall process invoices / cost vouchers for payment per contract terms.

(e) For each invoice / cost voucher submitted for payment, the contractor shall also email the WAWF automated invoice notice directly to the following points of contact:

Tracy A. Long, tracy.long@navy.mil (301) 342-7350

342-7350252.246-7000 MATERIAL INSPECTION AND RECEIVING REPORT (MAR 2003)

(a) At the time of each delivery of supplies or services under this contract, the Contractor shall prepare and furnish to the Government a material inspection and receiving report in the manner and to the extent required by Appendix F, Material Inspection and Receiving Report, of the Defense FAR Supplement.

CONTRACT NO. N00178-05-D-4623	DELIVERY ORDER NO. M801	AMENDMENT/MODIFICATION NO. 48	PAGE 38 of 67	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

(b) Contractor submission of the material inspection and receiving information required by Appendix F of the Defense FAR Supplement by using the Wide Area WorkFlow-Receipt and Acceptance (WAWF-RA) electronic form (see paragraph (b)(1) of the clause at 252.232-7003) fulfills the requirement for a material inspection and receiving report (DD Form 250).

TASK ORDER G1

The contractor shall submit invoices for payment per contract terms. The Government shall process invoices for payment per contract terms. For each invoice submitted for payment, the contractor shall also email the WAWF automated invoice notice directly to the Invoice/Acceptance Officer identified below:

Invoice/Acceptance Officer: Tracy A. Long

Phone Number: (301) 342-7350 Email address: tracy.long@navy.mil
Ship to DODAAC: N00421

TASK ORDER MANAGER (TOM) APPOINTMENT (APR 2005)

(a) The Task Order Ordering Officer hereby appoints the following individual as the Task Order Manger (TOM) for this task order:

Name: Tracy A. Long

Code: 5.4.1

Mailing Address: 47762 Ranch Road, Bldg 1463, Room 5

Telephone: (301) 342-7350

(b) The TOM is responsible for those specific functions assigned in the Task Order Administration Plan, attached.

(c) Only the Task Order Ordering Officer has the authority to modify the terms of the task order. Therefore, in no event will any understanding, agreement, modification, change order, or other matter deviating from the terms of the basic contract or this task order between the contractor and any other person be effective or binding on the Government. If, in the opinion of the contractor, an effort outside the existing scope of this task order is requested, the contractor shall promptly notify the Task Order Ordering Office in writing. No action shall be taken by the contractor unless the Task Order Ordering Officer, PCO or ACO has issued a formal modification.

Accounting Data

SLINID	PR Number	Amount
100001	0010229230	[REDACTED]
LLA :		
AC 97X4930 NH2A 252 77777 0 054219 2F 000000 000002135000		
CIN: 001022923000001		
200001	0010229360	[REDACTED]
LLA :		
AA 97X4930 NH2C 252 77777 0 054219 2F 000000 000005143000		
CIN: 001022936000001		
200002	0010229230	[REDACTED]
LLA :		
AB 97X4930 NH2A 252 77777 0 054219 2F 000000 000005170200		
CIN: 001022923000002		
200003	0010229230	[REDACTED]
LLA :		
AC 97X4930 NH2A 252 77777 0 054219 2F 000000 000002135000		
CIN: 001022923000001		
300001	0010229230	[REDACTED]

CONTRACT NO. N00178-05-D-4623	DELIVERY ORDER NO. M801	AMENDMENT/MODIFICATION NO. 48	PAGE 39 of 67	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

LLA :
AC 97X4930 NH2A 252 77777 0 054219 2F 000000 000002135000
CIN: 001022923000001

BASE Funding [REDACTED]
Cumulative Funding [REDACTED]

MOD 03

100002 1300094264-0001 [REDACTED]
LLA :
AD 97X4930 NH2C 252 77777 0 050120 2F 000000 WC028PRCL006
CIN: 130009426400001

100003 1300094264-0001 [REDACTED]
LLA :
AD 97X4930 NH2C 252 77777 0 050120 2F 000000 WC028PRCL006
CIN: 130009426400007

100004 1300094264-0001 [REDACTED]
LLA :
AD 97X4930 NH2C 252 77777 0 050120 2F 000000 WC028PRCL006
CIN: 130009426400003

100005 1300094264-0001 [REDACTED]
LLA :
AD 97X4930 NH2C 252 77777 0 050120 2F 000000 WC028PRCL006
CIN: 130009426400009

100006 1300094264-0001 [REDACTED]
LLA :
AD 97X4930 NH2C 252 77777 0 050120 2F 000000 WC028PRCL006
CIN: 130009426400004

300101 1300094264-0001 [REDACTED]
LLA :
AD 97X4930 NH2C 252 77777 0 050120 2F 000000 WC028PRCL006
CIN: 130009426400002

MOD 03 Funding [REDACTED]
Cumulative Funding [REDACTED]

MOD 04

100007 1300094765 [REDACTED]
LLA :
AE 97X4930 NH2A 252 77777 0 050120 2F 000000 WC018PRAA024
CIN: N0042108PRAA0240001

100008 1300094769 [REDACTED]
LLA :
AF 97X4930 NH2A 252 77777 0 050120 2F 000000 WC018PRAA335
CIN: N0042108PRAA3350001

100009 1300094762 [REDACTED]
LLA :
AG 97X4930 NH2A 252 77777 0 050120 2F 000000 WC018PRAA336
CIN: N0042108PRAA3360001

100011 1300094787 [REDACTED]
LLA :
AJ 97X4930 NH2A 252 77777 0 050120 2F 000000 WC018PRAA338
CIN: N0042108PRAA3380001

100012 1300094790 [REDACTED]
LLA :
AK 97X4930 NH2A 252 77777 0 050120 2F 000000 WC018PRAA339

CONTRACT NO. N00178-05-D-4623	DELIVERY ORDER NO. M801	AMENDMENT/MODIFICATION NO.. 48	PAGE 40 of 67	FINAL
----------------------------------	----------------------------	-----------------------------------	------------------	-------

CIN: N0042108PRAA3390001

300102 1300094769 [REDACTED]

LLA :

AF 97X4930 NH2A 252 77777 0 050120 2F 000000 WC018PRAA335

CIN: N0042108PRAA3350002

300103 1300094762 [REDACTED]

LLA :

AG 97X4930 NH2A 252 77777 0 050120 2F 000000 WC018PRAA336

CIN: N0042108PRAA3360002

300104 1300094785 [REDACTED]

LLA :

AH 97X4930 NH2A 252 77777 0 050120 2F 000000 WC018PRAA337

CIN: N0042108PRAA3370001

MOD 04 Funding [REDACTED]

Cumulative Funding [REDACTED]

MOD 05

100002 1300094264-0001 [REDACTED]

LLA :

AD 97X4930 NH2C 252 77777 0 050120 2F 000000 WC028PRCL006

CIN: 130009426400001

100003 1300094264-0001 [REDACTED]

LLA :

AD 97X4930 NH2C 252 77777 0 050120 2F 000000 WC028PRCL006

CIN: 130009426400007

100004 1300094264-0001 [REDACTED]

LLA :

AD 97X4930 NH2C 252 77777 0 050120 2F 000000 WC028PRCL006

CIN: 130009426400003

100005 1300094264-0001 [REDACTED]

LLA :

AD 97X4930 NH2C 252 77777 0 050120 2F 000000 WC028PRCL006

CIN: 130009426400009

100006 1300094264-0001 [REDACTED]

LLA :

AD 97X4930 NH2C 252 77777 0 050120 2F 000000 WC028PRCL006

CIN: 130009426400004

100013 1300094264-0001 [REDACTED]

LLA :

AD 97X4930 NH2C 252 77777 0 050120 2F 000000 WC028PRCL006

CIN: 130009426400010

100014 1300094264-0001 [REDACTED]

LLA :

AD 97X4930 NH2C 252 77777 0 050120 2F 000000 WC028PRCL006

CIN: 130009426400005

100015 1300094264-0001 [REDACTED]

LLA :

AD 97X4930 NH2C 252 77777 0 050120 2F 000000 WC028PRCL006

CIN: 130009426400011

100016 1300094264-0001 [REDACTED]

LLA :

AD 97X4930 NH2C 252 77777 0 050120 2F 000000 WC028PRCL006

CIN: 130009426400006

100017 1300094264-0001 [REDACTED]

LLA :

CONTRACT NO. N00178-05-D-4623	DELIVERY ORDER NO. M801	AMENDMENT/MODIFICATION NO. 48	PAGE 41 of 67	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

AD 97X4930 NH2C 252 77777 0 050120 2F 000000 WC028PRCL006
CIN: 130009426400012

300101 1300094264-0001 [REDACTED]
LLA :
AD 97X4930 NH2C 252 77777 0 050120 2F 000000 WC028PRCL006
CIN: 130009426400002

300105 1300094264-0001 [REDACTED]
LLA :
AD 97X4930 NH2C 252 77777 0 050120 2F 000000 WC028PRCL006
CIN: 130009426400008

MOD 05 Funding [REDACTED]
Cumulative Funding [REDACTED]

MOD 06

100018 1300102739 [REDACTED]
LLA :
AL 97X4930 NH2A 252 77777 0 050120 2F 000000 WC018PR02171
CIN: 130010273900001

100019 1300102738 [REDACTED]
LLA :
AM 97X4930 NH2A 252 77777 0 050120 2F 000000 WC018PR02170
CIN: 130010273800001

100020 1300102740 [REDACTED]
LLA :
AN 97X4930 NH2A 252 77777 0 050120 2F 000000 WC018PR02173
CIN: 130010274000001

100021 1300102727 [REDACTED]
LLA :
AP 97X4930 NH2A 252 77777 0 050120 2F 000000 WC018PR02166
CIN: 130010272700001

300106 1300102727 [REDACTED]
LLA :
AP 97X4930 NH2A 252 77777 0 050120 2F 000000 WC018PR02166
CIN: 130010272700001

300107 1300102740 [REDACTED]
LLA :
AN 97X4930 NH2A 252 77777 0 050120 2F 000000 WC018PR02173
CIN: 130010274000001

300108 1300102764 [REDACTED]
LLA :
AQ 97X4930 NH2A 252 77777 0 050120 2F 000000 WC018PR02178
CIN: 130010276400001

300109 1300102765 [REDACTED]
LLA :
AR 97X4930 NH2A 252 77777 0 050120 2F 000000 WC018PR02181
CIN: 130010276500001

MOD 06 Funding [REDACTED]
Cumulative Funding [REDACTED]

MOD 07

100022 1300102762 [REDACTED]
LLA :
AS 97X4930 NH2A 252 77777 0 050120 2F 000000 WC018PR02175
CIN 130010276200001

300110 1300102762 [REDACTED]
LLA :

CONTRACT NO. N00178-05-D-4623	DELIVERY ORDER NO. M801	AMENDMENT/MODIFICATION NO. 48	PAGE 42 of 67	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

AS 97X4930 NH2A 252 77777 0 050120 2F 000000 WC018PR02175
CIN: 130010276200001

MOD 07 Funding [REDACTED]
Cumulative Funding [REDACTED]

MOD 08

100002 1300094264-0001 [REDACTED]
LLA :
AD 97X4930 NH2C 252 77777 0 050120 2F 000000 WC028PRCL006
CIN: 130009426400001

100003 1300094264-0001 [REDACTED]
LLA :
AD 97X4930 NH2C 252 77777 0 050120 2F 000000 WC028PRCL006
CIN: 130009426400007

100004 1300094264-0001 [REDACTED]
LLA :
AD 97X4930 NH2C 252 77777 0 050120 2F 000000 WC028PRCL006
CIN: 130009426400003

100005 1300094264-0001 [REDACTED]
LLA :
AD 97X4930 NH2C 252 77777 0 050120 2F 000000 WC028PRCL006
CIN: 130009426400009

100006 1300094264-0001 [REDACTED]
LLA :
AD 97X4930 NH2C 252 77777 0 050120 2F 000000 WC028PRCL006
CIN: 130009426400004

100013 1300094264-0001 [REDACTED]
LLA :
AD 97X4930 NH2C 252 77777 0 050120 2F 000000 WC028PRCL006
CIN: 130009426400010

100014 1300094264-0001 [REDACTED]
LLA :
AD 97X4930 NH2C 252 77777 0 050120 2F 000000 WC028PRCL006
CIN: 130009426400005

100015 1300094264-0001 [REDACTED]
LLA :
AD 97X4930 NH2C 252 77777 0 050120 2F 000000 WC028PRCL006
CIN: 130009426400011

100016 1300094264-0001 [REDACTED]
LLA :
AD 97X4930 NH2C 252 77777 0 050120 2F 000000 WC028PRCL006
CIN: 130009426400006

100017 1300094264-0001 [REDACTED]
LLA :
AD 97X4930 NH2C 252 77777 0 050120 2F 000000 WC028PRCL006
CIN: 130009426400012

300101 1300094264-0001 [REDACTED]
LLA :
AD 97X4930 NH2C 252 77777 0 050120 2F 000000 WC028PRCL006
CIN: 130009426400002

300105 1300094264-0001 [REDACTED]
LLA :
AD 97X4930 NH2C 252 77777 0 050120 2F 000000 WC028PRCL006
CIN: 130009426400008

CONTRACT NO. N00178-05-D-4623	DELIVERY ORDER NO. M801	AMENDMENT/MODIFICATION NO. 48	PAGE 43 of 67	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

MOD 08 Funding [REDACTED]
Cumulative Funding [REDACTED]

MOD 09

110001 1300107153 [REDACTED]
LLA :
AT 97X4930 NH2A 255 77777 0 050120 2F 000000 WC018PR03522
CIN: 130010715300001

110002 1300107109 [REDACTED]
LLA :
AU 97X4930 NH2A 252 77777 0 050120 2F 000000 WC018PR03515
CIN: 130010710900001

210001 1300107109 [REDACTED]
LLA :
AU 97X4930 NH2A 252 77777 0 050120 2F 000000 WC018PR03515
CIN: 130010710900001

210002 1300107144 [REDACTED]
LLA :
AV 97X4930 NH2A 255 77777 0 050120 2F 000000 WC018PR03520
CIN: 130010714400001

210003 1300107110 [REDACTED]
LLA :
AW 97X4930 NH2A 252 77777 0 050120 2F 000000 WC018PR03517
CIN: 130010711000001

310001 1300107153 [REDACTED]
LLA :
AT 97X4930 NH2A 255 77777 0 050120 2F 000000 WC018PR03522
CIN: 130010715300001

310101 1300107142 [REDACTED]
LLA :
AX 97X4930 NH2A 252 77777 0 050120 2F 000000 WC018PR03518
CIN: 130010714200001

MOD 09 Funding [REDACTED]
Cumulative Funding [REDACTED]

MOD 10

110003 1300108706 [REDACTED]
LLA :
AY 9770400 4HGC 255 00019 0 050120 2D 000000 A00000002190
CIN: 130010870600001

310002 1300108706 [REDACTED]
LLA :
AY 9770400 4HGC 255 00019 0 050120 2D 000000 A00000002190
CIN: 130010870600001

310102 1300108706 [REDACTED]
LLA :
AY 9770400 4HGC 255 00019 0 050120 2D 000000 A00000002190
CIN: 130010870600001

MOD 10 Funding [REDACTED]
Cumulative Funding [REDACTED]

MOD 11

110004 1300111730 [REDACTED]
LLA :
AZ 97X4930 NH2A 252 77777 0 050120 2F 000000 A10000030810
CIN: 130011173000002

CONTRACT NO.	DELIVERY ORDER NO.	AMENDMENT/MODIFICATION NO.	PAGE	FINAL
N00178-05-D-4623	M801	48	44 of 67	

110005 1300111686 [REDACTED]
 LLA :
 BA 97X4930 NH2A 252 77777 0 050120 2F 000000 A00000003037
 CIN: 1300111686000001

110006 1300111669 [REDACTED]
 LLA :
 BB 9770400 4HGC 255 00019 0 050120 2D 000000 A00000029929
 CIN: 130011166900001

310103 1300111730 [REDACTED]
 LLA :
 AZ 97X4930 NH2A 252 77777 0 050120 2F 000000 A00000030810
 CIN: 130011173000001

MOD 11 Funding [REDACTED]
 Cumulative Funding [REDACTED]

MOD 12

110007 1300112577 [REDACTED]
 LLA :
 BC 97X4930 NH2C 252 77777 0 050120 2F 000000 A00000038396
 CIN: 130011257700001

110008 1300113425 [REDACTED]
 LLA :
 BD 97X4930 NH2A 257 77777 0 050120 2F 000000 A00000047631
 CIN: 130011342500001

310003 1300112577 [REDACTED]
 LLA :
 BC 97X4930 NH2C 252 77777 0 050120 2F 000000 A00000038396
 CIN: 130011257700001

310104 1300113425 [REDACTED]
 LLA :
 BD 97X4930 NH2A 257 77777 0 050120 2F 000000 A00000047631
 CIN: 130011342500001

MOD 12 Funding [REDACTED]
 Cumulative Funding [REDACTED]

MOD 13

110009 1300113790 [REDACTED]
 LLA :
 BE 97X4930 NH2A 252 77777 0 050120 2F 000000 A00000054774
 CIN: 130011379000001

110010 13001138114 [REDACTED]
 LLA :
 BF 97X4930 NH2A 252 77777 0 050120 2F 000000 A00000054390
 CIN: 130011381400001

310105 1300113814 [REDACTED]
 LLA :
 BF 97X4930 NH2A 252 77777 0 050120 2F 000000 A00000054390
 CIN: 130011381400001

MOD 13 Funding [REDACTED]
 Cumulative Funding [REDACTED]

MOD 14

110011 1300094264-0003 [REDACTED]
 LLA :
 AD 97X4930 NH2C 252 77777 0 050120 2F 000000 WC028PRCL006
 CIN: 130009426400013

CONTRACT NO. N00178-05-D-4623	DELIVERY ORDER NO. M801	AMENDMENT/MODIFICATION NO. 48	PAGE 45 of 67	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

MOD 14 Funding [REDACTED]
Cumulative Funding [REDACTED]

MOD 15

110012 1300118948 [REDACTED]
LLA :
BG 97X4930 NH2A 257 77777 0 050120 2F 000000 A00000103756
CIN: 130011894800001

110013 1300118806 [REDACTED]
LLA :
BH 97X4930 NH2A 257 77777 0 050120 2F 000000 A00000103027
CIN: 130011880600001

110014 1300118807 [REDACTED]
LLA :
BJ 97X4930 NH2A 257 77777 0 050120 2F 000000 A00000103094
CIN:130011880700001

310004 1300118948 [REDACTED]
LLA :
BK 97X4930 NH2A 257 77777 0 050120 2F 000000 A10000103756
CIN: 130011894800002

310106 1300094264-0004 [REDACTED]
LLA :
AD 97X4930 NH2C 252 77777 0 050120 2F 000000 WC028PRCL006
CIN: 130009426400014

310107 1300094264-0004 [REDACTED]
LLA :
AD 97X4930 NH2C 252 77777 0 050120 2F 000000 WC028PRCL006
CIN: 130009426400015

MOD 15 Funding [REDACTED]
Cumulative Funding [REDACTED]

MOD 16

120001 1300120437 [REDACTED]
LLA :
BL 97X4930 NH2C 252 77777 0 050120 2F 000000 A00000118201
CIN: 130012043700001

120002 1300120437 [REDACTED]
LLA :
BM 97X4930 NH2C 252 77777 0 050120 2F 000000 A10000118201
CIN: 130012043700002

120003 1300120437 [REDACTED]
LLA :
BN 97X4930 NH2C 252 77777 0 050120 2F 000000 A20000118201
CIN: 130012043700003

120004 1300120437 [REDACTED]
LLA :
BP 97X4930 NH2C 252 77777 0 050120 2F 000000 A30000118201
CIN: 130012043700004

120005 1300120910 [REDACTED]
LLA :
BQ 97X4930 NH2A 252 77777 0 050120 2F 000000 A00000123184
CIN: 130012091000001

120006 1300120910 [REDACTED]
LLA :
BR 97X4930 NH2A 252 77777 0 050120 2F 000000 A10000123184
CIN: 130012091000002

CONTRACT NO.	DELIVERY ORDER NO.	AMENDMENT/MODIFICATION NO.	PAGE	FINAL
N00178-05-D-4623	M801	48	46 of 67	

120007 1300120910 [REDACTED]
 LLA :
 BQ 97X4930 NH2A 252 77777 0 050120 2F 000000 A00000123184
 CIN: 130012091000003

120008 1300120934 [REDACTED]
 LLA :
 BS 97X4930 NH2A 252 77777 0 050120 2F 000000 A10000123365
 CIN: 130023093400002

120009 1300120906 [REDACTED]
 LLA :
 BT 97X4930 NH2A 252 77777 0 050120 2F 000000 A10000122914
 CIN: 130012090600002

120010 1300120908 [REDACTED]
 LLA :
 BU 97X4930 NH2A 252 77777 0 050120 2F 000000 A10000123114
 CIN: 130012090800001

220001 1300120437 [REDACTED]
 LLA :
 BL 97X4930 NH2C 252 77777 0 050120 2F 000000 A00000118201
 CIN: 130012043700001

320001 1300120779 [REDACTED]
 LLA :
 BV 97X4930 NH2C 252 77777 0 050120 2F 000000 A10000121570
 CIN: 130012077900002

320101 1300119071 [REDACTED]
 LLA :
 BW 97X4930 NH2A 257 77777 0 050120 2F 000000 A00000104931
 CIN: 130011907100001

320102 1300120779 [REDACTED]
 LLA :
 BX 97X4930 NH2C 252 77777 0 050120 2F 000000 A00000121570
 CIN: 130012077900001

MOD 16 Funding [REDACTED]
 Cumulative Funding [REDACTED]

MOD 18

320103 1300118950 [REDACTED]
 LLA :
 BY 97X4930 NH2A 257 77777 0 050120 2F 000000 A00000103781
 CIN: 1300118950000001

MOD 18 Funding [REDACTED]
 Cumulative Funding [REDACTED]

MOD 20

320104 1300124399 [REDACTED]
 LLA :
 BZ 97X4930 NH2A 252 77777 0 050120 2F 000000 A00000162377
 CIN: 130012439900001

MOD 20 Funding [REDACTED]
 Cumulative Funding [REDACTED]

MOD 21

320105 1300125217 [REDACTED]
 LLA :
 CA 97X4930 NH2C 252 77777 0 050120 2F 000000 A00000171810

CONTRACT NO.	DELIVERY ORDER NO.	AMENDMENT/MODIFICATION NO.	PAGE	FINAL
N00178-05-D-4623	M801	48	47 of 67	

CIN: 130012521700001

MOD 21 Funding [REDACTED]
Cumulative Funding [REDACTED]

MOD 22

430001 1300128584 [REDACTED]
LLA :
CB 97X4930 NH2A 252 77777 0 050120 2F 000000 A00000208193
CIN: 130012858400001

430002 1300128586 [REDACTED]
LLA :
CC 97X4930 NH2A 252 77777 0 050120 2F 000000 A00000208251
CIN: 130012858600001

5300 1300128584 [REDACTED]
LLA :
CB 97X4930 NH2A 252 77777 0 050120 2F 000000 A00000208193
CIN: 130012858400001

630101 1300128586 [REDACTED]
LLA :
CC 97X4930 NH2A 252 77777 0 050120 2F 000000 A00000208251
CIN: 130012858600001

630102 1300128582 [REDACTED]
LLA :
CD 97X4930 NH2A 252 77777 0 050120 2F 000000 A00000208161
CIN: 130012858200001

MOD 22 Funding [REDACTED]
Cumulative Funding [REDACTED]

MOD 23

430003 1300128585 [REDACTED]
LLA :
CE 97X4930 NH2A 252 77777 0 050120 2F 000000 A10000208196
CIN: 130012858500002

MOD 23 Funding [REDACTED]
Cumulative Funding [REDACTED]

MOD 24

430004 1300128875 [REDACTED]
LLA :
CF 97X4930 NH2C 252 77777 0 050120 2F 000000 A10000211914
CIN: 130012887500002

430005 1300128875 [REDACTED]
LLA :
CG 97X4930 NH2C 252 77777 0 050120 2F 000000 A20000211914
CIN: 130012887500003

630103 1300130598 [REDACTED]
LLA :
CH 97X4930 NH2C 252 77777 0 050120 2F 000000 A00000232464
CIN: 130013059800001

MOD 24 Funding [REDACTED]
Cumulative Funding [REDACTED]

MOD 25

630001 1300131582 [REDACTED]

CONTRACT NO. N00178-05-D-4623	DELIVERY ORDER NO. M801	AMENDMENT/MODIFICATION NO. 48	PAGE 48 of 67	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

LLA :
CK 97X4930 NH2C 252 77777 0 050120 2F 000000 A10000242295
CIN: 130013158200003

630104 1300131582 [REDACTED]
LLA :
CJ 97X4930 NH2C 252 77777 0 050120 2F 000000 A00000242295
CIN: 130013158200002

630105 1300131582 [REDACTED]
LLA :
CL 97X4930 NH2C 253 77777 0 050120 2F 000000 A00000242295
CIN: 130013158200001

MOD 25 Funding [REDACTED]
Cumulative Funding [REDACTED]

MOD 26

630106 1300134667 [REDACTED]
LLA :
CM 97X4930 NH2A 252 77777 0 050120 2F 000000 A10000274980
CIN: 130013466700001

MOD 26 Funding [REDACTED]
Cumulative Funding [REDACTED]

MOD 27

430006 1300133991 [REDACTED]
LLA :
CN 97X4930 NH2A 252 77777 0 050120 2F 000000 A10000265631
CIN: 130013399100001

430007 1300133840 [REDACTED]
LLA :
CP 97X4930 NH2A 252 77777 0 050120 2F 000000 A00000263109
CIN: 130013384000002

430008 1300133840 [REDACTED]
LLA :
CQ 97X4930 NH2A 252 77777 0 050120 2F 000000 A10000263109
CIN: 130013384000003

630002 1300133840 [REDACTED]
LLA :
CP 97X4930 NH2A 252 77777 0 050120 2F 000000 A00000263109
CIN: 130013384000002

630107 1300134174 [REDACTED]
LLA :
CR 97X4930 NH2A 252 77777 0 050120 2F 000000 A00000268079
CIN: 130013417400001

MOD 27 Funding [REDACTED]
Cumulative Funding [REDACTED]

MOD 28

320103 1300118950 [REDACTED]
LLA :
BY 97X4930 NH2A 257 77777 0 050120 2F 000000 A00000103781
CIN: 1300118950000001

MOD 28 Funding [REDACTED]
Cumulative Funding [REDACTED]

MOD 29

CONTRACT NO.	DELIVERY ORDER NO.	AMENDMENT/MODIFICATION NO.	PAGE	FINAL
N00178-05-D-4623	M801	48	49 of 67	

630108 1300141554 [REDACTED]
LLA :
CS 97X4930 NH2C 252 77777 0 050120 2F 000000 A00000338253
CIN: 130014155400001

MOD 29 Funding [REDACTED]
Cumulative Funding [REDACTED]

MOD 30

430009 1300142277 [REDACTED]
LLA :
CT 97X4930 NH2A 255 77777 0 050120 2F 000000 A00000343824
CIN: 130014227700001

430010 1300142277 [REDACTED]
LLA :
CU 97X4930 NH2A 255 77777 0 050120 2F 000000 A00000343828
CIN: 13004227700004

430011 1300142277 [REDACTED]
LLA :
CV 97X4930 NH2A 255 77777 0 050120 2F 000000 A10000343824
CIN: 13004227700002

430012 1300142277 [REDACTED]
LLA :
CW 97X4930 NH2A 255 77777 0 050120 2F 000000 A20000343824
CIN: 13004227700003

430013 1300142283 [REDACTED]
LLA :
CX 97X4930 NH2A 255 77777 0 050120 2F 000000 A00000343955
CIN: 130014228300001

430014 1300142283 [REDACTED]
LLA :
CY 97X4930 NH2A 255 77777 0 050120 2F 000000 A10000343955
CIN: 130014228300002

430015 1300142283 [REDACTED]
LLA :
CZ 97X4930 NH2A 255 77777 0 050120 2F 000000 A20000343955
CIN: 130014228300003

430016 1300142283 [REDACTED]
LLA :
DA 97X4930 NH2A 255 77777 0 050120 2F 000000 A30000343955
CIN: 130014228300004

430017 1300142283 [REDACTED]
LLA :
DB 97X4930 NH2A 255 77777 0 050120 2F 000000 A40000343955
CIN: 130014228300005

630109 1300142277 [REDACTED]
LLA :
CT 97X4930 NH2A 255 77777 0 050120 2F 000000 A00000343824
CIN: 130042277000005

630110 1300142277 [REDACTED]
LLA :
CT 97X4930 NH2A 255 77777 0 050120 2F 000000 A00000343824
CIN: 1300142277000006

630111 1300142283 [REDACTED]
LLA :
CX 97X4930 NH2A 255 77777 0 050120 2F 000000 A00000343955
CIN: 130014228300007

CONTRACT NO.	DELIVERY ORDER NO.	AMENDMENT/MODIFICATION NO.	PAGE	FINAL
N00178-05-D-4623	M801	48	50 of 67	

630112 1300142283 [REDACTED]
 LLA :
 CZ 97X4930 NH2A 255 77777 0 050120 2F 000000 A20000343955
 CIN: 130014228300006

MOD 30 Funding [REDACTED]
 Cumulative Funding [REDACTED]

MOD 31 Funding [REDACTED]
 Cumulative Funding [REDACTED]

MOD 32

430018 1300141533 [REDACTED]
 LLA :
 DC 97X4930 NH2C 252 77777 0 050120 2F 000000
 COST CODE: A00000338272
 CIN: 130014153300001

630113 1300143635 [REDACTED]
 LLA :
 DD 97X4930 NH2A 255 77777 0 050120 2F 000000
 COST CODE: A00000352970
 CIN: 130014363500001

MOD 32 Funding [REDACTED]
 Cumulative Funding [REDACTED]

MOD 33

430019 1300146635 [REDACTED]
 LLA :
 DE 97X4930 NH2C 252 77777 0 050120 2F 000000
 COST CODE: A00000374420
 CIN: 130014663500001

630003 1300146635 [REDACTED]
 LLA :
 DE 97X4930 NH2C 252 77777 0 050120 2F 000000
 COST CODE: A00000374420
 CIN: 130014663500002

MOD 33 Funding [REDACTED]
 Cumulative Funding [REDACTED]

MOD 34

440001 1300147467 [REDACTED]
 LLA :
 DF 97X4930 NH2A 255 77777 0 050120 2F 000000
 COST CODE: A00000380160
 CIN: 130014746700001

440002 1300147467 [REDACTED]
 LLA :
 DG 97X4930 NH2A 255 77777 0 050120 2F 000000
 COST CODE: A10000380101
 CIN: 130014746700002

440003 1300147467 [REDACTED]
 LLA :
 DH 97X4930 NH2A 255 77777 0 050120 2F 000000
 COST CODE: A20000380101
 CIN: 130014746700003

440004 1300147467 [REDACTED]

CONTRACT NO.	DELIVERY ORDER NO.	AMENDMENT/MODIFICATION NO.	PAGE	FINAL
N00178-05-D-4623	M801	48	51 of 67	

LLA :
 DJ 97X4930 NH2A 255 77777 0 050120 2F 000000
 COST CODE: A30000380101
 CIN: 130014746700004

440005 1300147466 [REDACTED]
 LLA :
 DM 97X4930 NH2A 255 77777 0 050120 2F 000000
 COST CODE: A00000380049
 CIN: 130014746600001

440006 1300147466 [REDACTED]
 LLA :
 DN 97X4930 NH2A 255 77777 0 050120 2F 000000
 COST CODE: A10000380049
 CIN: 130014746600002

440007 1300147466 [REDACTED]
 LLA :
 DP 97X4930 NH2A 255 77777 0 050120 2F 000000
 COST CODE: A20000380049
 CIN: 130014746600003

540001 1300147467 [REDACTED]
 LLA :
 DK 97X4930 NH2A 255 77777 0 050120 2F 000000
 COST CODE: A20000380160
 CIN: 130014746700005

640101 1300147467 [REDACTED]
 LLA :
 DL 97X4930 NH2A 255 77777 0 050120 2F 000000
 COST CODE: A10000380160
 CIN: 130014746700006

640102 1300147466 [REDACTED]
 LLA :
 DP 97X4930 NH2A 255 77777 0 050120 2F 000000
 COST CODE: A20000380049
 CIN: 130014746600003

MOD 34 Funding [REDACTED]
 Cumulative Funding [REDACTED]

MOD 35

440008 1300149895 [REDACTED]
 LLA :
 DQ 97X4930 NH2C 252 77777 0 050120 2F 000000
 COST CODE: A00000396726
 CIN: 130014989500001

440009 1300149895 [REDACTED]
 LLA :
 DR 97X4930 NH2C 252 77777 0 050120 2F 000000
 COST CODE: A10000396726
 CIN: 130014989500002

440010 1300149895 [REDACTED]
 LLA :
 DS 97X4930 NH2C 252 77777 0 050120 2F 000000
 COST CODE: A20000396726
 CIN: 130014989500003

CONTRACT NO.	DELIVERY ORDER NO.	AMENDMENT/MODIFICATION NO.	PAGE	FINAL
N00178-05-D-4623	M801	48	52 of 67	

440011 1300149895 [REDACTED]
 LLA :
 DT 97X4930 NH2C 252 77777 0 050120 2F 000000
 COST CODE: A30000396726
 CIN: 130014989500004

640001 1300149895 [REDACTED]
 LLA :
 DT 97X4930 NH2C 252 77777 0 050120 2F 000000
 COST CODE: A30000396726
 CIN: 130014989500005

MOD 35 Funding [REDACTED]
 Cumulative Funding [REDACTED]

MOD 36 Funding [REDACTED]
 Cumulative Funding [REDACTED]

MOD 37

640103 1300154004 [REDACTED]
 LLA :
 DU 97X4930 NH2C 253 77777 0 050120 2F 000000 A00000420866
 CIN: 130015400400001

MOD 37 Funding [REDACTED]
 Cumulative Funding [REDACTED]

MOD 38

640104 1300157477 [REDACTED]
 LLA :
 DV 97X4930 NH2A 252 77777 0 050120 2F 000000 A00000444693
 CIN: 130015747700001

MOD 38 Funding [REDACTED]
 Cumulative Funding [REDACTED]

MOD 39 Funding [REDACTED]
 Cumulative Funding [REDACTED]

MOD 40

640105 1300157491 [REDACTED]
 LLA :
 DW 97X4930 NH2A 255 77777 0 050120 2F 000000 A000004444399
 CIN: 130015749100001

MOD 40 Funding [REDACTED]
 Cumulative Funding [REDACTED]

MOD 41

440012 1300157957 [REDACTED]
 LLA :
 EA 97X4930 NH2A 255 77777 0 050120 2F 000000 A10000447323
 CIN: 130015795700003

440013 1300157957 [REDACTED]
 LLA :
 EB 97X4930 NH2A 255 77777 0 050120 2F 000000 A20000447323
 CIN: 130015795700004

440014 1300157957 [REDACTED]
 LLA :
 EC 97X4930 NH2A 255 77777 0 050120 2F 000000 A30000447323
 CIN: 130015795700005

CONTRACT NO.	DELIVERY ORDER NO.	AMENDMENT/MODIFICATION NO.	PAGE	FINAL
N00178-05-D-4623	M801	48	53 of 67	

440015 1300157957 [REDACTED]
 LLA :
 ED 97X4930 NH2A 255 77777 0 050120 2F 000000 A400000447323
 CIN: 130015795700006

440016 1300157957 [REDACTED]
 LLA :
 EE 97X4930 NH2A 255 77777 0 050120 2F 000000 A000000447323
 CIN: 130015795700007

440017 1300157520 [REDACTED]
 LLA :
 EG 97X4930 NH2A 255 77777 0 050120 2F 000000 A300000444512
 CIN: 130015752000004

440018 1300157520 [REDACTED]
 LLA :
 EH 97X4930 NH2A 255 77777 0 050120 2F 000000 A200000444512
 CIN: 130015752000006

630002 1300133840 [REDACTED]
 LLA :
 CP 97X4930 NH2A 252 77777 0 050120 2F 000000 A000000263109
 CIN: 130013384000002

640002 1300157957 [REDACTED]
 LLA :
 DZ 97X4930 NH2A 255 77777 0 050120 2F 000000 A700000447323
 CIN: 130015795700002

640003 1300133840 [REDACTED]
 LLA :
 CP 97X4930 NH2A 252 77777 0 050120 2F 000000 A000000263109
 CIN: 130013384000002

640106 1300157520 [REDACTED]
 LLA :
 DX 97X4930 NH2A 255 77777 0 050120 2F 000000 A000000444512
 CIN: 130015752000001

640107 1300157520 [REDACTED]
 LLA :
 DX 97X4930 NH2A 255 77777 0 050120 2F 000000 A000000444512
 CIN: 130015752000002

640108 1300157957 [REDACTED]
 LLA :
 DY 97X4930 NH2A 255 77777 0 050120 2F 000000 A600000447323
 CIN: 130015795700001

640109 1300157957 [REDACTED]
 LLA :
 EF 97X4930 NH2A 255 77777 0 050120 2F 000000 A500000447323
 CIN: 130015795700008

MOD 41 Funding [REDACTED]
 Cumulative Funding [REDACTED]

MOD 42

440019 1300167197 [REDACTED]
 LLA :
 EJ 97X4930 NH2C 252 77777 0 050120 2F 000000 A000000503208
 CIN: 130016719700001

MOD 42 Funding [REDACTED]
 Cumulative Funding [REDACTED]

MOD 43

CONTRACT NO.	DELIVERY ORDER NO.	AMENDMENT/MODIFICATION NO.	PAGE	FINAL
N00178-05-D-4623	M801	48	54 of 67	

430008 1300133840 [REDACTED]
 LLA :
 CQ 97X4930 NH2A 252 77777 0 050120 2F 000000 A10000263109
 CIN: 130013384000003

440020 1300171676 [REDACTED]
 LLA :
 EU 97X4930 NH2A 255 77777 0 050120 2F 000000 A00000529898
 CIN: 130017167600001

440021 1300171676 [REDACTED]
 LLA :
 EV 97X4930 NH2A 255 77777 0 050120 2F 000000 A10000529898
 CIN: 130017167600002

630002 1300133840 [REDACTED]
 LLA :
 CP 97X4930 NH2A 252 77777 0 050120 2F 000000 A00000263109
 CIN: 130013384000002

640003 1300133840 [REDACTED]
 LLA :
 CP 97X4930 NH2A 252 77777 0 050120 2F 000000 A00000263109
 CIN: 130013384000002

640115 1300172570 [REDACTED]
 LLA :
 EM 97X4930 NH2A 255 77777 0 050120 2F 000000 A00000534258
 CIN: 130017257000002

640116 1300172570 [REDACTED]
 LLA :
 EN 97X4930 NH2A 255 77777 0 050120 2F 000000 A10000534258
 CIN: 130017257000001

640117 1300172570 [REDACTED]
 LLA :
 EP 97X4930 NH2A 255 77777 0 050120 2F 000000 A20000534258
 CIN: 130017257000003

640118 1300172570 [REDACTED]
 LLA :
 EQ 97X4930 NH2A 255 77777 0 050120 2F 000000 A30000534258
 CIN: 130017257000004

640119 1300172613 [REDACTED]
 LLA :
 ER 97X4930 NH2A 255 77777 0 050120 2F 000000 A00000534287
 CIN: 130017261300003

640120 1300172613 [REDACTED]
 LLA :
 ES 97X4930 NH2A 255 77777 0 050120 2F 000000 A10000534287
 CIN: 130017261300002

640121 1300172613 [REDACTED]
 LLA :
 ET 97X4930 NH2A 255 77777 0 050120 2F 000000 A20000534287
 CIN: 130017261300001

MOD 43 Funding [REDACTED]
 Cumulative Funding [REDACTED]

MOD 44

640122 1300175950 [REDACTED]
 LLA :
 EW 97X4930 NH2C 252 77777 0 050120 2F 000000 A00000548495
 CIN: 130017595000001

CONTRACT NO. N00178-05-D-4623	DELIVERY ORDER NO. M801	AMENDMENT/MODIFICATION NO. 48	PAGE 55 of 67	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

MOD 44 Funding [REDACTED]
Cumulative Funding [REDACTED]

MOD 45

640119 1300172613 [REDACTED]
LLA :
ER 97X4930 NH2A 255 77777 0 050120 2F 000000 A00000534287
CIN: 130017261300003

MOD 45 Funding [REDACTED]
Cumulative Funding [REDACTED]

MOD 46 Funding [REDACTED]
Cumulative Funding [REDACTED]

MOD 47

640104 1300157477 [REDACTED]
LLA :
DV 97X4930 NH2C 252 77777 0 050120 2F 000000 A00000444693
CIN: 130015747700001

640122 1300175950 [REDACTED]
LLA :
EW 97X4930 NH2C 252 77777 0 050120 2F 000000 A00000548495
CIN: 130017595000001

MOD 47 Funding [REDACTED]
Cumulative Funding [REDACTED]

MOD 48

310002 1300108706 [REDACTED]
LLA :
AY 9770400 4HGC 255 00019 0 050120 2D 000000 A00000002190
CIN: 130010870600001

310102 1300108706 [REDACTED]
LLA :
AY 9770400 4HGC 255 00019 0 050120 2D 000000 A00000002190
CIN: 130010870600001

MOD 48 Funding [REDACTED]
Cumulative Funding [REDACTED]

CONTRACT NO. N00178-05-D-4623	DELIVERY ORDER NO. M801	AMENDMENT/MODIFICATION NO. 48	PAGE 56 of 67	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

SECTION H SPECIAL CONTRACT REQUIREMENTS

Clauses specified in Section H of the Seaport-e basic contract are incorporated into this order if applicable.

5252.209-9510 ORGANIZATIONAL CONFLICTS OF INTEREST (NAVAIR) (SERVICES)(OCT 2005)

(a) Purpose. This clause seeks to ensure that the contractor (1) does not obtain an unfair competitive advantage over other parties by virtue of its performance of this contract, and (2) is not biased because of its current or planned interests (financial, contractual, organizational or otherwise) that relate to the work under this contract.

(b) Scope. The restrictions described herein shall apply to performance or participation by the contractor (as defined in paragraph (d)(7)) in the activities covered by this clause.

(1) The restrictions set forth in paragraph (e) apply to supplies, services, and other performance rendered with respect to the suppliers and/or equipment listed in Attachment [to be determined during performance of the order] will specify to which suppliers and/or equipment subparagraph (f) restrictions apply.

(2) The financial, contractual, organizational and other interests of contractor personnel performing work under this contract shall be deemed to be the interests of the contractor for the purposes of determining the existence of an Organizational Conflict of Interest. Any subcontractor that performs any work relative to this contract shall be subject to this clause. The contractor agrees to place in each subcontract affected by these provisions the necessary language contained in this clause.

(c) Waiver. Any request for waiver of the provisions of this clause shall be submitted in writing to the Procuring Contracting Officer. The request for waiver shall set forth all relevant factors including proposed contractual safeguards or job procedures to mitigate conflicting roles that might produce an Organizational Conflict of Interest. No waiver shall be granted by the Government with respect to prohibitions pursuant to access to proprietary data.

(d) Definitions. For purposes of application of this clause only, the following definitions are applicable:

(1) "System" includes system, major component, subassembly or subsystem, project, or item.

(2) "Nondevelopmental items" as defined in FAR 2.101.

(3) "Systems Engineering" (SE) includes, but is not limited to, the activities in FAR 9.505-1(b).

(4) "Technical direction" (TD) includes, but is not limited to, the activities in FAR 9.505-1(b).

(5) "Advisory and Assistance Services" (AAS) are those services acquired from non-governmental sources to support or improve agency policy development or decision making; or, to support or improve the management of organizations or the operation of hardware systems. Such services may encompass consulting activities, engineering and technical services, management support services and studies, analyses and evaluations.

(6) "Consultant services" as defined in FAR 31.205-33(a).

(7) "Contractor", for the purposes of this clause, means the firm signing this contract, its subsidiaries and affiliates, joint ventures involving the firm, any entity with which the firm may hereafter merge or affiliate, and any other successor or assignee of the firm.

(8) "Affiliates," means officers or employees of the prime contractor and first tier subcontractors involved in the program and technical decision-making process concerning this contract.

(9) "Interest" means organizational or financial interest.

(10) "Weapons system supplier" means any prime contractor or first tier subcontractor engaged in, or having a known prospective interest in the development, production or analysis of any of the weapon systems, as well as any major component or subassembly of such system.

(e) Contracting restrictions.

CONTRACT NO. N00178-05-D-4623	DELIVERY ORDER NO. M801	AMENDMENT/MODIFICATION NO. 48	PAGE 57 of 67	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

(1) To the extent the contractor provides systems engineering and/or technical direction for a system or commodity but does not have overall contractual responsibility for the development, the integration, assembly and checkout (IAC) or the production of the system, the contractor shall not (i) be awarded a contract to supply the system or any of its major components or (ii) be a subcontractor or consultant to a supplier of the system or of its major components. The contractor agrees that it will not supply to the Department of Defense (either as a prime contractor or as a subcontractor) or act as consultant to a supplier of, any system, subsystem, or major component utilized for or in connection with any item or other matter that is (directly or indirectly) the subject of the systems engineering and/or technical direction or other services performed under this contract for a period of 3 years after the date of completion of the contract. (FAR 9.505-1(a))

(2) To the extent the contractor prepares and furnishes complete specifications covering nondevelopmental items to be used in a competitive acquisition, the contractor shall not be allowed to furnish these items either as a prime contractor or subcontractor. This rule applies to the initial production contract, for such items plus a specified time period or event. The contractor agrees to prepare complete specifications covering non-developmental items to be used in competitive acquisitions, and the contractor agrees not to be a supplier to the Department of Defense, subcontract supplier, or a consultant to a supplier of any system or subsystem for which complete specifications were prepared hereunder. The prohibition relative to being a supplier, a subcontract supplier, or a consultant to a supplier of these systems of their subsystems extends for a period of [insert the period of prohibition] after the terms of this contract. (FAR 9.505-2(a)(1))

(3) To the extent the contractor prepares or assists in preparing a statement of work to be used in competitively acquiring a system or services or provides material leading directly, predictably and without delay to such a work statement, the contractor may not supply the system, major components thereof or the services unless the contractor is the sole source, or a participant in the design or development work, or a contractor involved in preparation of the work statement. The contractor agrees to prepare, support the preparation of or provide material leading directly, predictably and without delay to a work statement to be used in competitive acquisitions, and the contractor agrees not to be a supplier or consultant to a supplier of any services, systems or subsystems for which the contractor participated in preparing the work statement. The prohibition relative to being a supplier, a subcontract supplier, or a consultant to a supplier of any services, systems or subsystems extends for a period of [insert the period of prohibition] after the terms of this contract. (FAR 9.505-2(a)(1))

(4) To the extent work to be performed under this contract requires evaluation of offers for products or services, a contract will not be awarded to a contractor that will evaluate its own offers for products or services, or those of a competitor, without proper safeguards to ensure objectivity to protect the Government's interests. Contractor agrees to the terms and conditions set forth in the Statement of Work that are established to ensure objectivity to protect the Government's interests. (FAR 9.505-3)

(5) To the extent work to be performed under this contract requires access to proprietary data of other companies, the contractor must enter into agreements with such other companies which set forth procedures deemed adequate by those companies (i) to protect such data from unauthorized use or disclosure so long as it remains proprietary and (ii) to refrain from using the information for any other purpose other than that for which it was furnished. Evidence of such agreement(s) must be made available to the Procuring Contracting Officer upon request. The contractor shall restrict access to proprietary information to the minimum number of employees necessary for performance of this contract. Further, the contractor agrees that it will not utilize proprietary data obtained from such other companies in preparing proposals (solicited or unsolicited) to perform additional services or studies for the United States Government. The contractor agrees to execute agreements with companies furnishing proprietary data in connection with work performed under this contract, obligating the contractor to protect such data from unauthorized use or disclosure so long as such data remains proprietary, and to furnish copies of such agreement to the Contracting Officer. Contractor further agrees that such proprietary data shall not be used in performing for the Department of Defense additional work in the same field as work performed under this contract if such additional work is procured competitively. (FAR 9.505-4(b))

(6) Preparation of Statements of Work or Specifications. If the contractor under this contract assists substantially in the preparation of a statement of work or specifications, the contractor shall be ineligible to perform or participate in any capacity in any contractual effort (solicited or unsolicited) that is based on such statement of work or specifications. The contractor shall not incorporate its products or services in such statement of work or specifications unless so directed in writing by the Contracting Officer, in which case the restrictions in this subparagraph shall not apply. Contractor agrees that it will not supply to the Department of Defense (either as a prime contractor or as a subcontractor) or act as consultant to a supplier of, any system, subsystem or major

CONTRACT NO. N00178-05-D-4623	DELIVERY ORDER NO. M801	AMENDMENT/MODIFICATION NO. 48	PAGE 58 of 67	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

component utilized for or in connection with any item or work statement prepared or other services performed or materials delivered under this contract, and is procured on a competitive basis, by the Department of Defense with [insert the period of prohibition] after completion of work under this contract. The provisions of this clause shall not apply to any system, subsystem, or major component for which the contractor is the sole source of supply or which it participated in designing or developing. (FAR 9.505-4(b))

[] (7) Advisory and Assistance Services (AAS). If the contractor provides AAS services as defined in paragraph (d) of this clause, it shall be ineligible thereafter to participate in any capacity in Government contractual efforts (solicited or unsolicited) which stem directly from such work, and the contractor agrees not to perform similar work for prospective offerors with respect to any such contractual efforts. Furthermore, unless so directed in writing by the Contracting Officer, the contractor shall not perform any such work under this contract on any of its products or services, or the products or services of another firm for which the contractor performs similar work. Nothing in this subparagraph shall preclude the contractor from competing for follow-on contracts for AAS.

(f) Remedies. In the event the contractor fails to comply with the provisions of this clause, such noncompliance shall be deemed a material breach of the provisions of this contract. If such noncompliance is the result of conflicting financial interest involving contractor personnel performing work under this contract, the Government may require the contractor to remove such personnel from performance of work under this contract. Further, the Government may elect to exercise its right to terminate for default in the event of such noncompliance. Nothing herein shall prevent the Government from electing any other appropriate remedies afforded by other provisions of this contract, or statute or regulation.

(g) Disclosure of Potential Conflicts of Interest. The contractor recognizes that during the term of this contract, conditions may change which may give rise to the appearance of a new conflict of interest. In such an event, the contractor shall disclose to the Government information concerning the new conflict of interest. The contractor shall provide, as a minimum, the following information:

- (1) a description of the new conflict of interest (e.g., additional weapons systems supplier(s), corporate restructuring, new first-tier subcontractor(s), new contract) and identity of parties involved;
- (2) a description of the work to be performed;
- (3) the dollar amount;
- (4) the period of performance; and
- (5) a description of the contractor's internal controls and planned actions, to avoid any potential organizational conflict of interest.

5252.211-9502 GOVERNMENT INSTALLATION WORK SCHEDULE (NAVAIR) (OCT 2005)

(a) The Holidays applicable to this contract are: New Year's Day, Martin Luther King's Birthday, President's Birthday, Memorial Day, Independence Day, Labor Day, Columbus Day, Veteran's Day, Thanksgiving Day, and Christmas Day.

(b) In the event that the contractor is prevented from performance as the result of an Executive Order or an administrative leave determination that applies to the using activity, such time may be charged to the contract as a direct cost provided such charges are consistent with the contractor's accounting practices. In the event that any of the above holidays occur on a Saturday or Sunday, then such holiday shall be observed as they are by the assigned Government employees at the using activity.

5252.232-9509 REIMBURSEMENT OF TRAVEL, PER DIEM, AND SPECIAL MATERIAL COSTS (NAVAIR) (MAR 2000)

(a) Area of Travel. Performance under this contract may require travel by contractor personnel. If travel, domestic or overseas, is required, the contractor is responsible for making all necessary arrangements for its personnel. These include but are not limited to: medical examinations, immunizations, passports/visas/etc., and security clearances. All contractor personnel required to perform work on any U.S. Navy vessel shall obtain boarding authorization from the Commanding Officer of the vessel before boarding.

CONTRACT NO. N00178-05-D-4623	DELIVERY ORDER NO. M801	AMENDMENT/MODIFICATION NO. 48	PAGE 59 of 67	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

(b) Travel Policy. The Government will reimburse the contractor for allowable travel costs incurred by the contractor in performance of the contract in accordance with FAR Subpart 31.2. Travel required for tasks assigned under this contract shall be governed in accordance with: Federal Travel Regulations, prescribed by the General Services Administration for travel in the conterminous 48 United States, (hereinafter the FTR); 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 territories and possessions of the United States (hereinafter JTR); and Standardized Regulations (Government Civilians, Foreign Areas), Section 925, "Maximum Travel Per Diem Allowances for Foreign Areas," prescribed by the Department of State, for travel in areas not covered in the FTR or JTR (hereinafter the SR).

(c) Travel. Travel and subsistence are authorized for travel beyond a fifty-mile radius of the contractor's office whenever a task assignment requires work to be accomplished at a temporary alternate worksite. No travel or subsistence shall be charged for work performed within a fifty-mile radius of the contractor's office. The contractor shall not be paid for travel or subsistence for contractor personnel who reside in the metropolitan area in which the tasks are being performed. Travel performed for personal convenience, in conjunction with personal recreation, or daily travel to and from work at the contractor's facility will not be reimbursed.

(1) For travel costs other than described in paragraph (c) above, the contractor shall be paid on the basis of actual amount paid to the extent that such travel is necessary for the performance of services under the contract and is authorized by the COR in writing.

(2) When transportation by privately owned conveyance is authorized, the contractor shall be paid on a mileage basis not to exceed the applicable Government transportation rate as contained in the FTR, JTR or SR. Authorization for the use of privately owned conveyance shall be indicated in the basic contract. Distances traveled between points shall be shown on invoices as listed in standard highway mileage guides. Reimbursement will not exceed the mileage shown in the standard highway mileage guides.

(3) The contractor agrees, in the performance of necessary travel, to use the lowest cost mode commensurate with the requirements of the mission as set forth in the basic contract and in accordance with food 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.

(4) The contractor's invoices shall include receipts or other evidence substantiating actual costs incurred for authorized travel. In no event will such payments exceed the rates of common carriers.

(d) Vehicle and/or Truck Rentals. The contractor shall be reimbursed for actual rental/lease of special vehicles and/or trucks (i.e., of a type not normally used by the contractor in the conduct of its business) only if authorized in the basic contract or upon approval by the COR. Reimbursement of such rental shall be made based on actual amounts paid by the contractor. Use of rental/lease costs of vehicles and/or trucks that are of a type normally used by the contractor in the conduct of its business are not subject to reimbursement.

(e) Car Rental. The contractor shall be reimbursed for car rental, exclusive of mileage charges, as authorized in the basic contract or upon approval by the COR, when the services are required to be performed beyond the normal commuting distance from the contractor's facilities. Car rental for a team on TDY at one site will be allowed for a minimum of four (4) persons per car, provided that such number or greater comprise the TDY team.

(f) Per Diem. The contractor shall not be paid for per diem for contractor personnel who reside in the metropolitan areas in which the tasks are being performed. Per Diem shall not be paid on services performed within a fifty-mile radius of the contractor's home office or the contractor's local office. Per Diem is authorized for contractor personnel beyond a fifty-mile radius of the contractor's home or local offices whenever a task assigned requires work to be done at a temporary alternate worksite. Per Diem shall be paid to the contractor only to the extent that overnight stay is necessary and authorized under this contract. The authorized per diem rate shall be the same as the prevailing per diem in the worksite locality. These rates will be based on rates contained in the FTR, JTR or SR. The applicable rate is authorized at a flat seventy-five (75%) percent on the day of departure from contractor's home or local office, and on the day of return. Reimbursement to the contractor for per diem shall be limited to actual payments to per diem defined herein. The contractor shall provide actual payments of per diem defined herein. The contractor shall provide supporting documentation for per diem expenses as evidence of actual payment.

CONTRACT NO. N00178-05-D-4623	DELIVERY ORDER NO. M801	AMENDMENT/MODIFICATION NO. 48	PAGE 60 of 67	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

(g) Shipboard Stays. Whenever work assignments require temporary duty aboard a Government ship, the contractor will be reimbursed at the per diem rates identified in paragraph C8101.2C or C81181.3B(6) of the Department of Defense Joint Travel Regulations, Volume II.

(h) Special Material. "Special material" includes only the costs of material, supplies, or services which is peculiar to the ordered data and which is not suitable for use in the course of the contractor's normal business. It shall be furnished pursuant to specific authorization approved by the COR. The contractor will be required to support all material costs claimed by its costs less any applicable discounts. "Special materials" include, but are not limited to, graphic reproduction expenses, or technical illustrative or design requirements needing special processing.

5252.243-9504 AUTHORIZED CHANGES ONLY BY THE CONTRACTING OFFICER (NAVAIR) (JAN 1992)

(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: [insert Contracting Officer's name, address, phone number and e-mail address]

5252.242-9502 TECHNICAL DIRECTION (NAVAIR) (OCT 2005)

(a) When necessary, technical direction or clarification concerning the details of specific tasks set forth in the contract shall be given through issuance of Technical Direction Letters (TDLs) by the Contracting Officer's Representative (COR).

(b) Each TDL shall be in writing and shall include, as a minimum, the following information:

(1) Date of TDL:

(2) Contract and TDL number;

(3) Reference to the relevant section or item in the statement of work;

(4) Signature of COR.

(5) The specific direction provided to the contractor.

(c) Each TDL issued hereunder is subject to the terms and conditions of this contract; and in no event shall technical directions constitute an assignment of new work or changes to such nature as to justify any adjustment to the price, fixed fee, estimated costs, or delivery terms under the contract. In the event of a conflict between a TDL and this contract, the contract shall control.

(d) When in the opinion of the contractor a technical direction calls for effort outside the contract statement of work, the contractor shall notify the Contracting Officer thereof in writing, with a copy to the COR, within two (2) working days of having received the technical direction in question. The contractor shall undertake no performance to comply with the technical direction until the matter has been resolved by the Contracting Officer through formal contract modification or other appropriate action.

(e) Oral technical directions may be given by the COR only in emergency circumstances, and provided that any oral technical direction given is reduced in writing by the COR within two (2) working days of its issuance.

(f) Amendments to a TDL shall be in writing and shall include the information set forth in paragraph (b) above. A TDL may be amended orally only by [to be determined at the time of award] in emergencies; oral amendments shall

CONTRACT NO. N00178-05-D-4623	DELIVERY ORDER NO. M801	AMENDMENT/MODIFICATION NO. 48	PAGE 61 of 67	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

be confirmed in writing within two (2) working days from the time of the oral communication amending the TDL by a TDL modification.

(g) Any effort undertaken by the contractor pursuant to oral or written technical directions issued other than in accordance with the provisions herein shall be at the contractor's risk of not recovering related costs incurred and corresponding proportionate amount of fixed fee, if any.

(h) The COR must provide a copy of the TDL to the Contracting Officer and the Administrative Contracting Officer (If contractor had on-site DCMS) within two (2) days of issuance.

(i) The COR must retain a copy for the files.

Post Award Conference

A post award conference will be held as specified in the basic contract. The Government will notify the contractor of the time and location after the award of the task order.

The task order post award conferences will establish work level points of contact for the task order, determine the task order administration strategy, roles and responsibilities and ensure prompt payment and task order close out.

CONTRACT NO. N00178-05-D-4623	DELIVERY ORDER NO. M801	AMENDMENT/MODIFICATION NO. 48	PAGE 62 of 67	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

SECTION I CONTRACT CLAUSES

Clauses specified in Section I of the Seaport-e basic contract are incorporated into this order if applicable.

Task Order I-1 Task Order Options and Award Terms

(a) The Government may extend the term of this order by written notice to the Contractor within 1 calendar days of the end of the current period of performance; provided, that the Government gives the Contractor a preliminary written notice of its intent to extend at least 15 days before the contract expires. The preliminary notice does not commit the Government to an extension.

(b) If the Government exercises this option or award term, the extended order shall be considered to include this clause.

(c) The total duration of this order, including the exercise of any options and award terms under this clause, shall not exceed 5 years and 6 months.

Task Order I-2 Option to Extend Order

The Government may require continued performance of any services within the limits and at the rates specified in the order. These rates may be adjusted only as a result of revisions to prevailing labor rates provided by the Secretary of Labor. The option provision may be exercised more than once, but the total extension of performance hereunder shall not exceed 6 months. The Contracting Officer may exercise the option by written notice to the Contractor within 5 calendar days of the end of the current period of performance.

5252.204-9504 DISCLOSURE OF CONTRACT INFORMATION (JAN 2007)

(a) The Contractor shall not release to anyone outside the Contractor's organization any unclassified information (e.g., announcement of contract award), regardless of medium (e.g., film, tape, document), pertaining to any part of this contract or any program related to this contract, unless the Contracting Officer has given prior written approval.

(b) Requests for approval shall identify the specific information to be released, the medium to be used, and the purpose for the release. The Contractor shall submit its request to the Contracting Officer at least ten (10) days before the proposed date for release.

(c) The Contractor agrees to include a similar requirement in each subcontract under this contract. Subcontractors shall submit requests for authorization to release through the prime contractor to the Contracting Officer.

252.211-7003 ITEM IDENTIFICATION AND VALUATION (JUN 2005)

(a) Definitions. As used in this clause—

“Automatic identification device” means a device, such as a reader or interrogator, used to retrieve data encoded on machine-readable media.

“Concatenated unique item identifier” means—

(1) For items that are serialized within the enterprise identifier, the linking together of the unique identifier data elements in order of the issuing agency code, enterprise identifier, and unique serial number within the enterprise identifier; or

(2) For items that are serialized within the original part, lot, or batch number, the linking together of the unique identifier data elements in order of the issuing agency code; enterprise identifier; original part, lot, or batch number; and serial number within the original part, lot, or batch number.

“Data qualifier” means a specified character (or string of characters) that immediately precedes a data field that defines the general category or intended use of the data that follows.

“DoD recognized unique identification equivalent” means a unique identification method that is in commercial use and has been recognized by DoD. All DoD recognized unique identification equivalents are listed at

CONTRACT NO. N00178-05-D-4623	DELIVERY ORDER NO. M801	AMENDMENT/MODIFICATION NO. 48	PAGE 63 of 67	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

<http://www.acq.osd.mil/dpap/UID/equivalents.html>.

“DoD unique item identification” means a system of marking items delivered to DoD with unique item identifiers that have machine-readable data elements to distinguish an item from all other like and unlike items. For items that are serialized within the enterprise identifier, the unique item identifier shall include the data elements of the enterprise identifier and a unique serial number. For items that are serialized within the part, lot, or batch number within the enterprise identifier, the unique item identifier shall include the data elements of the enterprise identifier; the original part, lot, or batch number; and the serial number.

“Enterprise” means the entity (e.g., a manufacturer or vendor) responsible for assigning unique item identifiers to items.

“Enterprise identifier” means a code that is uniquely assigned to an enterprise by an issuing agency.

“Government’s unit acquisition cost” means—

- (1) For fixed-price type line, subline, or exhibit line items, the unit price identified in the contract at the time of delivery;
- (2) For cost-type or undefinitized line, subline, or exhibit line items, the Contractor’s estimated fully burdened unit cost to the Government at the time of delivery; and
- (3) For items produced under a time-and-materials contract, the Contractor’s estimated fully burdened unit cost to the Government at the time of delivery.

“Issuing agency” means an organization responsible for assigning a non-repeatable identifier to an enterprise (i.e., Dun & Bradstreet’s Data Universal Numbering System (DUNS) Number, Uniform Code Council (UCC) /EAN International (EAN) Company Prefix, or Defense Logistics Information System (DLIS) Commercial and Government Entity (CAGE) Code).

“Issuing agency code” means a code that designates the registration (or controlling) authority for the enterprise identifier.

“Item” means a single hardware article or a single unit formed by a grouping of subassemblies, components, or constituent parts.

“Lot or batch number” means an identifying number assigned by the enterprise to a designated group of items, usually referred to as either a lot or a batch, all of which were manufactured under identical conditions.

“Machine-readable” means an automatic identification technology media, such as bar codes, contact memory buttons, radio frequency identification, or optical memory cards.

“Original part number” means a combination of numbers or letters assigned by the enterprise at item creation to a class of items with the same form, fit, function, and interface.

“Parent item” means the item assembly, intermediate component, or subassembly that has an embedded item with a unique item identifier or DoD recognized unique identification equivalent.

“Serial number within the enterprise identifier” means a combination of numbers, letters, or symbols assigned by the enterprise to an item that provides for the differentiation of that item from any other like and unlike item and is never used again within the enterprise.

“Serial number within the part, lot, or batch number” means a combination of numbers or letters assigned by the enterprise to an item that provides for the differentiation of that item from any other like item within a part, lot, or batch number assignment.

“Serialization within the enterprise identifier” means each item produced is assigned a serial number that is unique among all the tangible items produced by the enterprise and is never used again. The enterprise is responsible for ensuring unique serialization within the enterprise identifier.

“Serialization within the part, lot, or batch number” means each item of a particular part, lot, or batch number is

CONTRACT NO. N00178-05-D-4623	DELIVERY ORDER NO. M801	AMENDMENT/MODIFICATION NO. 48	PAGE 64 of 67	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

assigned a unique serial number within that part, lot, or batch number assignment. The enterprise is responsible for ensuring unique serialization within the part, lot, or batch number within the enterprise identifier.

“Unique item identifier” means a set of data elements marked on items that is globally unique and unambiguous.

“Unique item identifier type” means a designator to indicate which method of uniquely identifying a part has been used. The current list of accepted unique item identifier types is maintained at http://www.acq.osd.mil/dpap/UID/uid_types.html.

(b) The Contractor shall deliver all items under a contract line, subline, or exhibit line item.

(c) DoD unique item identification or DoD recognized unique identification equivalents.

(1) The Contractor shall provide DoD unique item identification, or a DoD recognized unique identification equivalent, for—

(i) All delivered items for which the Government’s unit acquisition cost is \$5,000 or more; and

(ii) The following items for which the Government’s unit acquisition cost is less than \$5,000:

Contract Line, Subline, or

Exhibit Line Item Number Item Description

None Identified at this Time

(iii) Subassemblies, components, and parts embedded within delivered items as specified in Attachment Number N/A.

(2) The concatenated unique item identifier and the component data elements of the DoD unique item identification or DoD recognized unique identification equivalent shall not change over the life of the item.

(3) Data syntax and semantics of DoD unique item identification and DoD recognized unique identification equivalents. The Contractor shall ensure that—

(i) The encoded data elements (except issuing agency code) of the unique item identifier are marked on the item using one of the following three types of data qualifiers, as determined by the Contractor:

(A) Data Identifiers (DIs) (Format 06) in accordance with ISO/IEC International Standard 15418, Information Technology – EAN/UCC Application Identifiers and ANSI MH 10 Data Identifiers and ANSI MH 10 Data Identifiers and Maintenance.

(B) Application Identifiers (AIs) (Format 05), in accordance with ISO/IEC International Standard 15418, Information Technology – EAN/UCC Application Identifiers and ANSI MH 10 Data Identifiers and ANSI MH 10 Data Identifiers and Maintenance.

(C) Text Element Identifiers (TEIs), in accordance with the DoD collaborative solution “DD” format for use until the solution is approved by ISO/IEC JTC1 SC 31. The “DD” format is described in Appendix D of the DoD Guide to Uniquely Identifying Items, available at <http://www.acq.osd.mil/dpap/UID/guides.htm>; and

(ii) The encoded data elements of the unique item identifier conform to ISO/IEC International Standard 15434, Information Technology – Syntax for High Capacity Automatic Data Capture Media.

(4) DoD unique item identification and DoD recognized unique identification equivalents.

(i) The Contractor shall—

(A) Determine whether to serialize within the enterprise identifier or serialize within the part, lot, or batch number; and

(B) Place the data elements of the unique item identifier (enterprise identifier; serial number; and for serialization within the part, lot, or batch number only; original part, lot, or batch number) on items requiring marking by

CONTRACT NO. N00178-05-D-4623	DELIVERY ORDER NO. M801	AMENDMENT/MODIFICATION NO. 48	PAGE 65 of 67	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

paragraph (c)(1) of this clause, based on the criteria provided in the version of MIL-STD-130, Identification Marking of U.S. Military Property, cited in the contract Schedule.

(ii) The issuing agency code—

(A) Shall not be placed on the item; and

(B) Shall be derived from the data qualifier for the enterprise identifier.

(d) For each item that requires unique item identification under paragraph (c)(1)(i) or (ii) of this clause, in addition to the information provided as part of the Material Inspection and Receiving Report specified elsewhere in this contract, the Contractor shall report at the time of delivery, either as part of, or associated with, the Material Inspection and Receiving Report, the following information:

(1) Concatenated unique item identifier; or DoD recognized unique identification equivalent.

(2) Unique item identifier type.

(3) Issuing agency code (if concatenated unique item identifier is used).

(4) Enterprise identifier (if concatenated unique item identifier is used).

(5) Original part number.

(6) Lot or batch number.

(7) Current part number (if not the same as the original part number).

(8) Current part number effective date.

(9) Serial number.

(10) Government's unit acquisition cost.

(e) For embedded DoD serially managed subassemblies, components, and parts that require unique item identification under paragraph (c)(1)(iii) of this clause, the Contractor shall report at the time of delivery, either as part of, or associated with the Material Inspection and Receiving Report specified elsewhere in this contract, the following information:

(1) Concatenated unique item identifier or DoD recognized unique identification equivalent of the parent item delivered under a contract line, subline, or exhibit line item that contains the embedded subassembly, component, or part.

(2) Concatenated unique item identifier or DoD recognized unique identification equivalent of the embedded subassembly, component, or part.

(3) Unique item identifier type.**

(4) Issuing agency code (if concatenated unique item identifier is used).**

(5) Enterprise identifier (if concatenated unique item identifier is used).**

(6) Original part number.**

(7) Lot or batch number.**

(8) Current part number (if not the same as the original part number).**

CONTRACT NO. N00178-05-D-4623	DELIVERY ORDER NO. M801	AMENDMENT/MODIFICATION NO. 48	PAGE 66 of 67	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

(9) Current part number effective date.**

(10) Serial number.**

(11) Unit of measure.

(12) Description.

** Once per item.

(f) The Contractor shall submit the information required by paragraphs (d) and (e) of this clause in accordance with the data submission procedures at <http://www.acq.osd.mil/dpap/UID/DataSubmission.htm>.

(g) Subcontracts. If paragraph (c)(1) of this clause applies, the Contractor shall include this clause, including this paragraph (g), in all subcontracts issued under this contract.

(End of clause)

CONTRACT NO. N00178-05-D-4623	DELIVERY ORDER NO. M801	AMENDMENT/MODIFICATION NO. 48	PAGE 67 of 67	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

SECTION J LIST OF ATTACHMENTS

Attachment 1 - Department of Defense Contract Security Classification Specification DD254

Attachment 2 - WD 05-2043 (Rev. -5) for California County of Kern

Attachment 3 - WD 05-2103 (Rev. -4) for District of Columbia, Maryland, and Virginia

Attachment 4 - Quality Assurance Surveillance Plan (QASP)

Attachment 5 - Technical Report - Study Services DI-MISC-80508B

Attachment 6 - Contracting Officer's Representative/Task Order Manager (COR/TOM)
Appointment and Nomination Letter

Attachment 7 - Minimum Labor Qualifications

Attachment 8 - WD 05-2103 Revision 6

Attachment 9 - WD 05-2043 Revision 8

Attachment 10 - WD 05-2043 (Rev. -10) for California County of Kern

Attachment 11 - WD 05-2103 (Rev. -7) for District of Columbia, Maryland, and Virginia

Exhibit A - Contract Data Requirements List, DD Form 1423