

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE
U

PAGE OF PAGES
1 2

2. AMENDMENT/MODIFICATION NO.
30

3. EFFECTIVE DATE
07-Apr-2016

4. REQUISITION/PURCHASE REQ. NO.
1300347439, 1300489517, 1300355652

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

6. ISSUED BY CODE

N66604

7. ADMINISTERED BY (If other than Item 6)

CODE

S2404A

NUWC, NEWPORT DIVISION
1176 Howell Street, Building 1258
Newport RI 02841-1706

DCMA Manassas
14501 George Carter Way
Chantilly VA 20151

SCD: C

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

Lockheed Martin Integrated Systems, Inc.
1408 Stephanie Way
Chesapeake VA 23320

9A. AMENDMENT OF SOLICITATION NO.

9B. DATED (SEE ITEM 11)

[X]

10A. MODIFICATION OF CONTRACT/ORDER NO.

N00178-04-D-4079-N416

10B. DATED (SEE ITEM 13)

15-Oct-2012

CAGE CODE
4FZ81

FACILITY CODE

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning one (1) copy of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

SEE SECTION G

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

- (*) A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
- B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
- C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: FAR 43.103(a) Bi-lateral; FAR 52.232-22 Limitation of Funds
- D. OTHER (Specify type of modification and authority)

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

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

SEE PAGE 2

15A. NAME AND TITLE OF SIGNER (Type or print)

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

15B. CONTRACTOR/OFFEROR

15C. DATE SIGNED

16B. UNITED STATES OF AMERICA

16C. DATE SIGNED

(Signature of person authorized to sign)

07-Apr-2016

BY (Signature of Contracting Officer)

07-Apr-2016

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. N00178-04-D-4079	DELIVERY ORDER NO. N416	AMENDMENT/MODIFICATION NO. 30	PAGE 2 of 2	FINAL
----------------------------------	----------------------------	----------------------------------	----------------	-------

GENERAL INFORMATION

SCD: C

FSC: R425

NUWCDIVNPT Control Number: 161271

NUWCDIVNPT Requisition Number(s):

The purpose of this modification is to deobligate funding from SLINs 420005, 610002, 620006, 611003 & 622006.

SECTION B - Deobligate Funding as Follows:

Decrease SLIN 420005 from \$196,075.00 by (\$2,963.99) to \$193,111.01

Decrease SLIN 610002 from \$190,000.00 by (\$7,282.51) to \$182,717.49

Decrease SLIN 620006 from \$34,644.00 by (\$1,443.87) to \$33,200.13

Decrease SLIN 611003 from \$112,308.73 by (\$2,178.81) to \$110,129.92

Decrease SLIN 622006 from \$45,874.57 by (\$9,800.12) to \$36,074.45

SECTION G - LLAs AJ/420005, AD/610002, AQ/620006 & AV/611003, & BH/622006 are decreased by this modification.

SECTION H - Revise Clause 5252.232-9104 Allotment of Funds to reflect decrease in funding as a result of this deobligation.

The Total funding obligated for this task order is decreased from \$18,051,074.33 by (\$23,669.30) to \$18,027,405.03.

Contractor's Statement of Release: In consideration of the modification agreed regarding the deobligation of funds as cited above, the Contractor hereby releases the Government from any and all liability under this contract regarding further funding of SLINs 420005, 610002, 620006, 611003, & 622006.

All other task order terms and conditions remain unchanged.

CONTRACT NO. N00178-04-D-4079	DELIVERY ORDER NO. N416	AMENDMENT/MODIFICATION NO. 30	PAGE 1 of 65	FINAL
----------------------------------	----------------------------	----------------------------------	-----------------	-------

SECTION B SUPPLIES OR SERVICES AND PRICES

CLIN - SUPPLIES OR SERVICES

For Cost Type Items:

4000 Services in accordance with the Statement of Work in section C \$0.00

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
4100	R425	Base -- OPN (OPN)					\$3,155,321.59
410001	R425	AA \$900,827.00 FY of Funding: 2012 Fund Type: OPN NUWC Code 159 Sponsor: PMS-4011 TI-001 (OPN)					
410002	R425	AD \$1,710,000.00 FY of Funding: FY 2013 Type of Funds: OPN NUWC Code 159 Sponsor: PEOSUB PMS401 TI-003 (OPN)					
410003	R425	AF \$148,514.00 FY of Funding: FY 2013 Type of Funds: OPN NUWC Code 159 Sponsor: PEOSUB PMS401 TI-003 (OPN)					
410004	R425	AG \$85,542.00 FY of Funding: FY 2013 Type of Funds: OPN NUWC Code 159 Sponsor: PEOSUB PMS401 TI-005 (OPN)					
410005	R425	AM \$310,438.59 FY of Funding: FY 2013 Type of Funds: OPN NUWC Code 159 Sponsor: PEOSUB PMS401 TI-009, Rev. 0 (OPN)					
4110	R425	Option 2 -- OPN (OPN)					\$3,020,105.56
411001	R425	AN \$526,958.00 FY of funding: 2013, Type of Funds: OPN, Customer Code: 159, Sponsor: PMS401, TI-011, Rev.0 (OPN)					
411002	R425	AS \$756,000.00 FY of funding: 2013, Type of Funds: OPN, Customer Code: 159, Sponsor: PMS401, TI-013, Rev.0 (OPN)					
411003	R425	AV \$1,737,147.56 FY of funding: 2014, Type of Funds: OPN, Customer Code: 159, Sponsor: PMS401, TI-016, Rev.0 (OPN)					
4120	R425	Option 4 -- OPN (OPN)					\$3,068,910.84
412001	R425	AZ \$603,500.00 FY of funding: 2014 Type of Funds: OPN Customer Code: 159 Sponsor: PMS401 TI-019 (OPN)					

CONTRACT NO. N00178-04-D-4079	DELIVERY ORDER NO. N416	AMENDMENT/MODIFICATION NO. 30	PAGE 2 of 65	FINAL
----------------------------------	----------------------------	----------------------------------	-----------------	-------

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
412002	R425	BB \$900,000.00 FY of Funds: FY 2015 Type of Funds: OPN NUWC Code 159 Sponsor: NAVSEA PMS401 TI-021 (OPN)					
412003	R425	BG \$1,520,936.84 FY of Funding: 2015 Type of Money: OPN Customer Code: 15 Sponsor: PMS401 TI#: TI-025 (OPN)					
412004	R425	BK \$39,282.00 FY of Funds: FY 15, Type of Funds: OPN, Sponsor: PMS 401, Customer Code: 159, TI#: 024 Rev. 1; 10 U.S.C. 2410(a) Authority is hereby invoked. (OPN)					
4200	R425	Option 1 - OM&N (O&MN,N)					\$2,130,742.10
420001	R425	AB \$248,511.00 FY of Funding: 2012 Fund Type: OMN NUWC Code 159 Sponsor: PMS-4011 TI-002 (O&MN,N)					
420002	R425	AC \$653,799.00 FY of Funding: 2013 Fund Type: OMN NUWC Code 159 Sponsor: PMS-401 TI-004 (O&MN,N)					
420003	R425	AE \$520,314.00 FY of Funding: 2013 Fund Type: OMN NUWC Code 159 Sponsor: PMS-401 TI-006 (O&MN,N)					
420004	R425	AH \$169,368.00 FY of Funding: FY 2013 Type of Funds: O&MN NUWC Code 159 Sponsor: PMS401 TI-007 (O&MN,N)					
420005	R425	AJ \$193,111.01 (\$196,075.00 - \$2,963.99 Mod 30) FY of Funding: FY 2013 Type of Funds: O&MN NUWC Code 159 Sponsor: PMS401 TI-007 (O&MN,N)					
420006	R425	AK \$149,383.00 FY of Funding: FY 2013 Type of Funds: O&MN NUWC Code 159 Sponsor: PMS401 TI-010 (O&MN,N)					
420007	R425	AL \$193,292.00 FY of Funding: FY 2013 Type of Funds: O&MN NUWC Code 159 Sponsor: PMS401 TI-010 (O&MN,N)					
4210	R425	Option 3 - OM&N (O&MN,N)					\$2,039,642.92
421001	R425	AR \$565,000.00 FY of Funds: FY 2014 Type of Funds: O&MN NUWC Code 159 Sponsor: IWS 5B TI-012 *2410a Authority is hereby invoked (O&MN,N)					

CONTRACT NO. N00178-04-D-4079	DELIVERY ORDER NO. N416	AMENDMENT/MODIFICATION NO. 30	PAGE 3 of 65	FINAL
----------------------------------	----------------------------	----------------------------------	-----------------	-------

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
421002	R425	AT \$120,280.00 FY of Funds: FY 2014 Type of Funds: O&MN NUWC Code 159 Sponsor: IWS 5B TI-014 *2410a Authority is hereby invoked (O&MN,N)					
421003	R425	AU \$1,080,000.00 FY of Funds: FY 2014 Type of Funds: O&MN NUWC Code 159 Sponsor: PMS 401 TI-015 *2410a Authority is hereby invoked (O&MN,N)					
421004	R425	AY \$274,362.92 FY of Funds: FY 2014 Type of Funds: O&MN NUWC Code 159 Sponsor: NAVSEA IWS 5B TI-018 (O&MN,N)					
4220	R425	Option 5 - OM&N (O&MN,N)					\$2,445,250.43
422001	R425	BA \$390,000.00 FY of Funds: FY 2015 Type of Funds: O&MN NUWC Code 159 Sponsor: NAVSEA PMS401 TI-020 (O&MN,N)					
422002	R425	BC \$78,000.00 FY of Funds: FY 2015 Type of Funds: OMN NUWC Code: 159 Sponsor: NAVSEA PMS401 TI-022 10 U.S.C. 2410(a) Authority is hereby invoked. (O&MN,N)					
422003	R425	BF \$1,158,000.00 FY of Funds: FY 2015 Type of Funds: O&MN NUWC Code 159 Sponsor: NAVSEA PMS401 TI-024 (O&MN,N)					
422004	R425	BH \$416,825.42 FY of Funds: FY 15, Type of Funds: OMN, Sponsor: PEO IWS5B, Customer Code: 159, TI#: 026; 10 U.S.C. 2410(a) Authority is hereby invoked. (O&MN,N)					
422005	R425	BH \$402,425.00 FY of Funds: FY 2015, Type of Funds: OMN, Sponsor: PMS 401, Customer Code: 159, TI#: 024, Rev 1; 10 U.S.C. 2410(a) Authority is hereby invoked. (O&MN,N)					

For ODC Items:

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost
6000		Prime and Subcontractor Travel and Materials (with burdens, no fee)			\$0.00

CONTRACT NO. N00178-04-D-4079	DELIVERY ORDER NO. N416	AMENDMENT/MODIFICATION NO. 30	PAGE 4 of 65	FINAL
----------------------------------	----------------------------	----------------------------------	-----------------	-------

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost
6100	R425	Base -- OPN (OPN)	1.0	LO	\$300,729.88
610001	R425	AA \$100,000.00 FY of Funding: 2012 Fund Type: OPN NUWC Code 159 Sponsor: PMS-4011 TI-001 (OPN)			
610002	R425	AD \$182,717.49 (\$190,000.00 - \$7,282.51 Mod 30) FY of Funding: FY 2013 Type of Funds: OPN NUWC Code 159 Sponsor: PEOSUB PMS401 TI-003 (OPN)			
610003	R425	AF \$1,229.88 FY of Funding: FY 2013 Type of Funds: OPN NUWC Code 159 Sponsor: PEOSUB PMS401 TI-005 (OPN)			
610004	R425	AG \$9,500.00 FY of Funding: FY 2013 Type of Funds: OPN NUWC Code 159 Sponsor: PEOSUB PMS401 TI-005 (OPN)			
6110	R425	Option 2 -- OPN (OPN)	1.0	LO	\$327,408.73
611001	R425	AN \$65,100.00 FY of funding: 2013, Type of Funds: OPN, Customer Code: 159, Sponsor: PMS401, TI-011, Rev.0 (OPN)			
611002	R425	AS \$150,000.00 FY of funding: 2013, Type of Funds: OPN, Customer Code: 159, Sponsor: PMS401, TI-013, Rev.0 (OPN)			
611003	R425	AV \$110,129.92 (\$112,308.73 - \$2,178.81 Mod 30) FY of funding: 2014, Type of Funds: OPN, Customer Code: 159, Sponsor: PMS401, TI-016, Rev.0 (OPN)			
6120	R425	Option 4 -- OPN (OPN)	1.0	LO	\$358,506.82
612001	R425	AZ \$67,138.00 FY of funding: 2014 Type of Funds: OPN Customer Code: 159 Sponsor: PMS401 TI-019 (OPN)			
612002	R425	BB \$100,000.00 FY of Funds: FY 2015 Type of Funds: OPN NUWC Code 159 Sponsor: NAVSEA PMS401 TI-021 (OPN)			
612003	R425	BG \$191,368.82 FY of Funding: 2015 Type of Money: OPN Customer Code: 15 Sponsor: PMS401 TI#: TI-025 (OPN)			
6200	R425	Option 1 - OM&N (O&MN,N)	1.0	LO	\$397,595.45
620001	R425	AB \$25,000.00 FY of Funding: 2012 Fund Type: OPN NUWC Code 159 Sponsor: PMS-4011 TI-002 (O&MN,N)			
620002	R425	AC \$64,000.00 FY of Funding: 2013 Fund Type: OMN NUWC Code 159 Sponsor: PMS-401 TI-004 (O&MN,N)			
620003	R425	AE \$20,000.00 FY of Funding: 2013 Fund Type: OMN NUWC Code 159 Sponsor: PMS-401 TI-006 (O&MN,N)			
620004	R425	AJ \$15,000.00 FY of Funding: FY 2013 Type of Funds: O&MN NUWC Code 159 Sponsor: PMS401 TI-007 (O&MN,N)			
620005	R425	AP \$199,524.00 FY of Funding: FY 2013 Type of Funds: O&MN NUWC Code 159 Sponsor: PMS401 TI-008, Rev.0 '2410(a) is hereby invoked' (O&MN,N)			
620006	R425	AQ \$33,200.13 (\$34,644.00 - \$1,443.87 Mod 30) FY of Funding: FY 2013 Type of Funds: O&MN NUWC Code 159 Sponsor: PMS401 TI-008, Rev.0 '2410(a) is hereby invoked' (O&MN,N)			
6210	R425	Option 3 - OM&N (O&MN,N)	1.0	LO	\$432,836.10

-In the event of any inconsistency between the above table and the CLIN pricing, the CLIN pricing shall take precedence.

The following Clauses are incorporated by Full Text:

HQ B-2-0007 LIMITATION OF COST OR LIMITATION OF FUNDS LANGUAGE

The clause entitled "LIMITATION OF COST" (FAR 52.232-20) or "LIMITATION OF FUNDS" (FAR 52.232-22), as appropriate, shall apply separately and independently to each separately identified estimated cost.

HQ B-2-0009 NOTE (CDRL)

NOTE A - Offeror shall complete the "Price Group" and "Estimated Total Price" blocks of each data item on the Contract Data Requirements List(s), attached hereto.

HQ B-2-0010 NOTE (OPTION)

NOTE B - Option item to which the option clause in SECTION I-2 applies and which is to be supplied only if and to the extent said option is exercised.

NOTE C (ODC)

The material/ODC estimate includes purchased material, computer time, reproduction, telephone, shipping and any other costs that are charged direct (with the exception of labor). The travel estimate includes travel expenses. Offerors shall burden these estimates with applicable indirect rates (i.e. G&A, Material Handling). No detailed justification from offerors for these amounts is required. Offerors shall not apply fee to material/ODC and travel estimates.

HQ B-2-0015 PAYMENTS OF FEE(S) (LEVEL OF EFFORT – ALTERNATE 1) (NAVSEA) (MAY 2010)

(a) For purposes of this contract, "fee" means "target fee" in cost-plus-incentive-fee type contracts, "base fee" in cost-plus-award-fee type contracts, or "fixed fee" in cost-plus-fixed-fee type contracts for level of effort type contracts.

CONTRACT NO. N00178-04-D-4079	DELIVERY ORDER NO. N416	AMENDMENT/MODIFICATION NO. 30	PAGE 7 of 65	FINAL
----------------------------------	----------------------------	----------------------------------	-----------------	-------

(b) The Government shall make payments to the Contractor, subject to and in accordance with the clause in this contract entitled "FIXED FEE" (FAR 52.216-8) or "INCENTIVE FEE", (FAR 52.216-10), as applicable. Such payments shall be submitted by and payable to the Contractor pursuant to the clause of this contract entitled "ALLOWABLE COST AND PAYMENT" (FAR 52.216-7), subject to the withholding terms and conditions of the "FIXED FEE" or "INCENTIVE FEE" clause, as applicable, and shall be paid fee at the hourly rate(s) specified above per man-hour performed and invoiced. Total fee(s) paid to the Contractor shall not exceed the fee amount(s) set forth in this contract. In no event shall the Government be required to pay the Contractor any amount in excess of the funds obligated under this contract.

HQ B-2-0020 TRAVEL COSTS - ALTERNATE I (NAVSEA) (DEC 2005)

(a) Except as otherwise provided herein, the Contractor shall be reimbursed for its reasonable actual travel costs in accordance with FAR 31.205-46. The costs to be reimbursed shall be those costs accepted by the cognizant DCAA.

(b) Reimbursable travel costs include only that travel performed from the Contractor's facility to the worksite, in and around the worksite, and from the worksite to the Contractor's facility.

(c) Relocation costs and travel costs incident to relocation are allowable to the extent provided in FAR 31.205-35; however, Contracting Officer approval shall be required prior to incurring relocation expenses and travel costs incident to relocation.

(d) The Contractor shall not be reimbursed for the following daily local travel costs:

(i) travel at U.S. Military Installations where Government transportation is available,

(ii) travel performed for personal convenience/errands, including commuting to and from work, and

(iii) travel costs incurred in the replacement of personnel when such replacement is accomplished for the Contractor's or employee's convenience.

HQ B-2-0021 CONTRACT SUMMARY FOR PAYMENT OFFICE (COSTTYPE) (FEB 1997)

This entire contract is cost type.

CONTRACT NO. N00178-04-D-4079	DELIVERY ORDER NO. N416	AMENDMENT/MODIFICATION NO. 30	PAGE 8 of 65	FINAL
----------------------------------	----------------------------	----------------------------------	-----------------	-------

SECTION C DESCRIPTIONS AND SPECIFICATIONS

STATEMENT OF WORK

-

1.0 BACKGROUND

The Naval Undersea Warfare Center Division Newport (NUWC DIVNPT) is the Navy's full-spectrum research, development, test and evaluation, engineering, fleet support, maintenance, and life-cycle sustainability center for Towed Systems (Arrays and Handlers) and Sensors (Critical Transducers and Hull Sensors).

Program Executive Office Submarines (PMS401) tasks the NUWC DIVNPT to serve as Technical Direction Agent (TDA) and In-Service Engineering Agent (ISEA) for Towed Systems and Sensors. PMS401 also established and certified NUWC DIVNPT as the Towed Array Handling Equipment (TAHE) Facility to provide overhaul, repair and refurbishment support for Handling Systems and Equipment.

Program Executive Office Submarines (PMS485) tasks NUWC DIVNPT to provide engineering support for the TL-29A program.

Program Executive Office of Integrated Warfare Systems (PEO IWS5B) tasks NUWC DIVNPT to provide engineering support for the Multi-Function Towed Array (MFTA) program.

These responsibilities are performed by NUWC DIVNPT's Sensor and Sonar Systems Department (Code 15), Sensors & Arrays Division (Code 153), and Director of Programs (Code 159), and supports current and next generation towed systems and sensors needs.

2.0 SCOPE

In accordance with (IAW) this Statement of Work (SOW), the Contractor shall provide facilities services and engineering services for intermediate level maintenance and operational support of towed systems in the current inventory, under development, and others that may be developed during the course of this task order in support of NUWC DIVNPT, PMS401, PMS485 and IWS5B. Current Towed Arrays include the TB-16 series, TB-23, TB-34, Multi-Function Towed Array (MFTA), and TL-29A. Current Towed Array Handling Systems include the OK-276 series, OK-542 series, OK-634, OA-9070, OK-410 series, and associated support and test equipment. The Task Order scope will also cover all emergent Towed Arrays and Towed Array Handling Systems. The Contractor shall perform the tasks described in Section 4.0 in support of these systems.

3.0 APPLICABLE DOCUMENTS

3.1 MILITARY STANDARDS AND SPECIFICATIONS

DLAD 52.247-9012 Requirements for Treatment of Wood Packaging (WPM)
(Feb 2007)

A-A-59125/1 Terminal Boards, Molded, Barrier Screw Type, Class 37TB (dated 26 September 1997)
(replaces MIL-T-55164/1E)

ASME Y14.38-2007 Abbreviations and Acronyms for Use on Drawings and Related Documents
(replaces MIL-STD-12D)

CONTRACT NO. N00178-04-D-4079	DELIVERY ORDER NO. N416	AMENDMENT/MODIFICATION NO. 30	PAGE 9 of 65	FINAL
----------------------------------	----------------------------	----------------------------------	-----------------	-------

ASTM D5363 Standard Specification for Anaerobic Single-Component Adhesives
(replaces MIL-S-22473, MIL-S-46163, and MIL-R-46082)

ASTM E1444 Standard Practice for Magnetic Particle Testing
(replaces MIL-STD 1949A)

DOD-G-24508A Grease, High Performance, Multipurpose (Metric)
(Amendment 4, dated 23 September 1998)
(supersedes MIL-G-24508)

DOD-STD-1686C Electrostatic Discharge Control Program for Protection of Electrical and Electronic Parts, Assemblies and Equipment (excluding Electrically Initiated Explosive Devices)

FED-STD-595C Colors Used in Government Procurement
(Change Notice 1, dated 31 July 2008)

MIL-A-18001K Anodes, Sacrificial Zinc Alloy with Amendment 3 (dated 24 October 2007)

MIL-C-15726F Copper-Nickel Alloy, Sheet, Plate, Strip, Bar, Rod, and Wire (Amendment 1, dated 8 October 1991)

MIL-C-24217A Connectors, Electrical, Deep Submergence, Submarine (Amendment 1, dated 17 January 1989)

MIL-C-24231D Connectors, Plugs, Receptacles, Adapters, Hull Inserts, and Hull Insert Plugs, Pressure-Proof; General Specification for (Amendment 2, dated 7 August 1989)

MIL-C-28859B Connector Component Parts, Electrical Backplane, Printed-Wiring; General Specification for (dated 19 January 1990)

MIL-C-81302D Cleaning, Compound, Solvent, Trichlorotrifluoroethane (Amendment 1, dated 28 September 1987)

MIL-DTL-17H Cables, Radio Frequency, Flexible and Semirigid; General Specification for (Supplement 1, dated 4 August 2006)
(supersedes MIL-C-17)

MIL-DTL-3661C Lampholders, Indicator Lights, Indicator Light Housings, and Indicator Light Lenses; General Specification for (Supplement 1C, dated 10 June 2003)
(supersedes MIL-L-3661)

MIL-DTL-1222J Studs, Bolts, Screws and Nuts for Applications where a High Degree of Reliability is Required; General Specification for (dated 8 December 2000)
(supersedes MIL-S-1222)

MIL-DTL-15090E Enamel, Equipment, Light Gray (Navy Formula No. 111) (dated 12 October 2010)
(supersedes MIL-E-15090)

MIL-DTL-16878G Wire, Electrical, Insulated; General Specification for (Amendment 1, dated 2 July 2002)
(supersedes MIL-W-16878)

MIL-DTL-17667E Paper, Wrapping, Chemically Neutral (Non-Corrosive) (dated 21 April 2005)
(supersedes MIL-P-17667)

MIL-DTL-18240F Fastener Element, Self-Locking, Threaded Fastener, 250oF Maximum

CONTRACT NO. N00178-04-D-4079	DELIVERY ORDER NO. N416	AMENDMENT/MODIFICATION NO. 30	PAGE 10 of 65	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

(Amendment 1, dated 13 March 2000)
(supersedes MIL-F-18240)

MIL-DTL-21567B Compound, Silicone, Soft Film (dated 26 August 2009)
(supersedes MIL-C-21567)

MIL-DTL-23053 Insulation Sleeving, Electrical, Heat Shrinkable; General Specification for
(replaced by SAE AMS-DTL-23053)

MIL-DTL-24308G Connectors, Electric, Rectangular, NonEnvironmental, Miniature, Polarized Shell,
Rack and Panel; General Specification for (Amendment 1, dated 25 January 2011)
(supersedes MIL-PRF-24308 and MIL-C-24308)

MIL-DTL-28713F Connectors, Electrical, Rectangular, Removable Contact, Formed Blade, Fork
Type (for Rack and Panel and Other Applications) (dated 22 January 2007)
(supersedes MIL-C-28731)

MIL-DTL-32258 Nut, Self-Locking (Ring Type Non-Metallic Insert), Heavy Hex, Controlled Root
Radius, Nickel-Copper Alloy (dated 28 June 2007)
(supersedes MIL-N-25027)

MIL-DTL-55302G Connectors, Printed Circuit SubAssembly and Accessories (dated 9 November
2009)
(supersedes MIL-C-55302)

MIL-F-8815D Filter and Filter Elements, Fluid Pressure, Hydraulic Line, 15 Micron Absolute and 5
Micron Absolute, Type II Systems; General Specification for (Amendment 1, dated 23 June 1995)

MIL-HDBK-263B Electrostatic Discharge Control Handbook for Protection of Electrical and
Electronic Parts, Assemblies, and Equipment (excluding Electrically-Initiated Explosive Devices)
(Metric) (dated 31 July 1994)

MIL-HDBK-454B Department of Defense Handbook – General Guidelines for Electronic Equipment
(dated 15 April 2007)
(replaces MIL-STD-454)

MIL-I-6868E Inspection Process, Magnetic Particle
(replaced by MIL-STD-1949A)

MIL-PRF-2105E Lubricating Oil, Gear, MultiPurpose (Metric)
(supersedes MIL-L-2105; replaced by Society of Automotive Engineers (SAE) J2360)

MIL-L-23398D Lubricant, Solid Film, Air – Cured, Corrosion Inhibiting, NATO Code Number S-749
(Amendment 2, dated 18 January 1994)

MIL-L-24478C Lubricant, Molybdenum Disulfide in Isopropanol (Amendment 1, dated 23 January
2001)

MIL-N-25027/1A Nut, Self-Locking, Heavy Hex (Non-Metallic Insert) 250o and 450o F, UNJC-3B, 1/4
through
2-1/2 Inch Nominal Diameters, Nickel-Copper Alloy
(replaced by MIL-DTL-32258)

MIL-PRF-131K Barrier Materials, WaterVaporProof, GreaseProof, Flexible, Heat-Sealable (dated 18
August 2005)

CONTRACT NO. N00178-04-D-4079	DELIVERY ORDER NO. N416	AMENDMENT/MODIFICATION NO. 30	PAGE 11 of 65	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

(supersedes MIL-B-131)

MIL-PRF-907F Performance Specification; Antiseize Thread Compound, High Temperature (dated 17 November 2004)
(supersedes MIL-A-907)

MIL-PRF-1149D Gasket Materials, Synthetic Rubber, 50 and 65 Durometer Hardness (dated 10 June 1998)
(supersedes MIL-G-1149 and MIL-R-1149)

MIL-PRF-6083F Hydraulic Fluid, Petroleum Base, For Preservation and Operation (dated 17 September 1997)
(supersedes MIL-H-6083)

MIL-PRF-6855F Rubber, Synthetic, Sheets, Strips, Molded or Extruded Shapes, General Specification for (dated 15 June 2009)
(supersedes MIL-R-6855 and MIL-S-6855)

MIL-PRF-10942H Grease, Automotive and Artillery (dated 20 September 2008)
(supersedes MIL-G-10924)

MIL-PRF-15160J Fuses, Instrument, Power, and Telephone; General Specification for (Amendment 1, dated 21 February 2007)
(supersedes MIL-F-15160)

MIL-PRF-16173E Corrosion Preventive Compound, Solvent Cutback, Cold-Application (Amendment 1, dated 7 September 2006)
(supersedes MIL-C-16173)

MIL-PRF-17331J Lubricating Oil, Steam Turbine and Gear, Moderate Service (Amendment 1, dated 30 March 2007)
(supersedes MIL-L-17331)

MIL-PRF-17672E Hydraulic Fluid, Petroleum, Inhibited (dated 14 October 2010)
(supersedes MIL-H-17672 and MIL-L-17672)

MIL-PRF-24139A Grease, Multipurpose, Water Resistant (Amendment 3, dated 12 March 1987)
(supersedes MIL-G-24139)

MIL-PRF-81705E Barrier Materials, Flexible, Electrostatic Discharge Protective, Head-Sealable (Amendment 1, dated 8 February 2010)
(supersedes MIL-B-81705)

MIL-PRF-81733D Sealing and Coating Compound, Corrosion Inhibitive (dated 15 May 1998)
(supersedes MIL-S-81733)

MIL-R-8791D Retainer, Packing, Hydraulic and Pneumatic, Polytetrafluoroethylene Resin, (Single Turn)
(replaced by SAE AS8791)

MIL-R-83485 Rubber, Fluorocarbon Elastomer, Improved Performance at Low Temperatures
(replaced by SAE AMS-R-83485)

MIL-S-901D Shock Tests, H.I. (High Impact), Shipboard Machinery, Equipment, and Systems; Requirements for (dated 17 March 1989)

CONTRACT NO. N00178-04-D-4079	DELIVERY ORDER NO. N416	AMENDMENT/MODIFICATION NO. 30	PAGE 12 of 65	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

MIL-S-8802F Sealing Compound, Temperature-Resistant, Integral Fuel Tanks and Fuel Cell Cavities, High-Adhesion
(replaced by SAE AMS-S-8802)

MIL-S-8660C Silicone Compound, NATO Code Number S-736
(replaced by SAE AS8660)

MIL-S-22473E Sealing, Locking, and Retaining Compounds: (Single Component)
(replaced by ASTM D5363)

MIL-S-46163A Sealing, Lubricating and Wicking Compounds: Thread-Locking, Anaerobic, Single-Component
(replaced by ASTM D5363)

MIL-STD-12D Abbreviations for Use on Drawings and in Specifications, Standards and Technical Documents
(replaced by ASME Y14.38-2007)

MIL-STD-129P Military Marking for Shipment and Storage (with Change 4 – dated 19 September 2007)

MIL-STD-130N Department of Defense Standard Practice - Identification Marking of U.S. Military Property (dated 17 December 2007)

MIL-STD-167-1A Department of Defense Test Method Standard – Mechanical Vibrations of Shipboard Equipment (Type I – Environmental and Type II – Internally Excited) (dated 2 November 2005)

MIL-STD-278F Welding and Casting Standard
(replaced by NAVSEA S9074-AR-GIB-010/278)

MIL-STD-419E Department of Defense Standard Practice – Cleaning, Protecting, and Testing Piping, Tubing, and Fittings for Hydraulic Power Transmission Equipment (dated 26 April 2010)

MIL-STD-454N General Requirements for Electronic Equipment
(replaced by MIL-HDBK-454)

MIL-STD-1130B Connections, Electrical, Solderless Wrapped (dated 12 December 1978)

MIL-STD-1949A Inspection, Magnetic Particle
(replaced by ASTM E1444)

MIL-STD-1686C Department of Defense Standard Practice – Electrostatic Discharge Control Program for Protection of Electrical and Electronic Parts, Assemblies and Equipment (Excluding Electrically Initiated Explosive Devices) (dated 25 October 1995)

MIL-STD-2073E Department of Defense Standard Practice for Military Packaging (with Change 1, dated 7 January 2011)

MIL-T-7928G Terminal, Lug Splices, Conductors, Crimp Style, Copper; General Specification for
(replaced by SAE AS7928A)

MIL-T-1368C Tube and Pipe, Nickel-Copper Alloy, Seamless and Welded (Amendment 4, dated 12 December 2000)

MIL-T-16420K Tube, Copper-Nickel Alloy, Seamless and Welded (Copper Alloy Numbers 715 and 706) (Amendment 1, dated 16 September 1988)

CONTRACT NO. N00178-04-D-4079	DELIVERY ORDER NO. N416	AMENDMENT/MODIFICATION NO. 30	PAGE 13 of 65	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

MIL-T-55164/1E Terminal Boards, Molded, Barrier, Screw Type, class 37TB (replaced by A-A-59125/1)

NAVSEA S9074-AR-GIB-010/278 Requirements for Fabrication Welding and Inspection, and Casting Inspection and Repair for Machinery, Piping, and Pressure Vessels (dated 1 August 1995) (replaces MIL-STD-278)

SAE AMS-DTL-23053 Insulation Sleeving, Electrical, Heat Shrinkable; General Specification for (dated 16 September 1999) (replaces MIL-DTL-23053)

SAE AMS-R-83485 Rubber, Fluorocarbon Elastomer, Improved Performance at Low Temperatures (dated May 1998) (replaces MIL-R-83485)

SAE AMS-S-8802C Sealing Compound, Temperature-Resistant, Integral Fuel Tanks and Fuel Cell Cavities, High-Adhesion (dated March 2011) (replaces MIL-S-8802)

SAE AS7928B Terminals, Lugs: Splices, Conductor: Crimp Style, Copper; General Specification for (revised March 2011) (replaces MIL-T-7928)

SAE AS8660 Silicone Compound, NATO Code Number S-736 (dated 30 September 1999) (replaces MIL-S-8660)

SAE AS8791B Hydraulic and Pneumatic Retainers (Back-Up Rings), Polytetrafluoroethylene (PTFE) Resin (dated March 2009) (replaces MIL-R-8791)

SAE J2360 Lubricating Oil, Gear, MultiPurpose (Metric) Military Use (issued November 1998) (replaces MIL-PRF-2015E)

3.2 OTHER APPLICABLE DOCUMENTS

OA-9070 Series Deployable Array Working Group Intermediate Level Maintenance Course; Pub. No. A 130-0088 – Provided By Training Logistics Element Manager

OK-276 Series Deployable Array Handling System Intermediate Level Maintenance Course; Pub. No. A-130-0090

OK-542 Series Deployable Array Handling System Intermediate Level Maintenance Course; Pub. No. A-130-0092

NUWCDIVNPTINST 5090.3D Hazardous Materials Control Program

Revised TB-23 VIM Service Life Guidance

Code of Federal Regulation (CFR) Title 49 – Transportation

Code of Federal Regulation (CFR) Title 40, Section 260 – Protection of Environment, Hazardous Waste Management; General

Federal Hazardous Material Transportation Law (10 August 2005)

MSEC Technical Memorandum TM-1008 Ancillary Towed-Array Telemetry Error and Noise Detection System Users Manual

CONTRACT NO. N00178-04-D-4079	DELIVERY ORDER NO. N416	AMENDMENT/MODIFICATION NO. 30	PAGE 14 of 65	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

Naval Ships' Technical manual (NSM) Chapter 300, 302, 310 and 320

NUSC Technical Memo TM911132 TB-23/BQ Adaptor Module Application and Information Instruction

OI-637-10 SSN 668 and SSBN 726 Class Ship System Manual

OPNAVTINST 5100 series Navy Safety Precautions

S9595-AL-MMO-010 OK-634/BQ Thinline Towed Array Handling System

S9595-AM-MMA-010 OK-276B Reelable Towed Array Handling System (SSN 774 Class)

SE310-AK-MMO-010/C AN/BQQ-10(V)-ARC Technical Manual

SE311-AA-MMA-010 thru -800 AN/BSY-1 Technical Manual

SE311-CD-MMO-010 thru -620 AN/BQQ-5D Technical Manual

SE311-CE-MMO-010 thru -620 AN/BQQ-5E(V)3 Technical Manual

SE311-DE-MMO-010 thru -450 AN/BQQ-5E(V)4 Technical Manual

SE321-AC-MMM-010 ASA-TBS Technical Manual

SE321-Q3-MMO-010 AN/BQR-23A(V)3

System Type OK-276A/BQ, OK-276()/BQ and OK-418/BQ; Organization Intermediate and Depot Levels

SE325-CJ-MMA-010 Hydraulic Control Unit of the Towed Array Assembly

SE331-AB-MMA-010 thru -70 AN/BSY-2(V) Submarine Combat System Technical Manual

SE394-AZ-IEM-010 Towed Sonar System TB-33/BQ

SE394-V4-MMO-010 Sonar Receiver R-2502/BQ

SSN21 OL-637-11 SSN 21 Ship System Manual Operating Instructions

SSN 688 OI-637-11A SSN 688 Ship System Manual Operating Instructions

No Document # assigned AN/BQQ-10(V) Technical Manual

4.0 REQUIREMENTS

The work in this task order SOW falls within the scope of the basic Seaport-E Statement of Work paragraphs 3.9, 3.10, 3.17, 3.18, 3.19, and 3.20. The Contractor shall perform the following tasks in accordance with GFI schedules provided in Section 6.0 and as detailed in Technical Instructions (TI) issued in accordance with task order Clause **5252.242-9115 TECHNICAL INSTRUCTIONS (APR 1999)**.

4.1 FACILITIES SERVICES

CONTRACT NO. N00178-04-D-4079	DELIVERY ORDER NO. N416	AMENDMENT/MODIFICATION NO. 30	PAGE 15 of 65	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

4.1.1 Facility Location

The Contractor shall establish and maintain seven (7) principal Intermediate Maintenance Activity (IMA) support facilities one of which shall be located within a 15-mile radius of each of the following naval submarine ports:

- a. New London, CT
- b. Norfolk, VA
- c. Kings Bay, GA
- d. San Diego, CA
- e. Bangor, WA
- f. Pearl Harbor, HI (The facility will be Government-furnished)
- g. Guam, Marianas Islands

4.1.1.1 Performance Standard: The required facilities are provided and meet the requirements as specified under subtask 4.1.1 above.

4.1.2 Facility Requirements

Each facility shall include, as a minimum, the following capabilities:

- a. Capability to handle and store classified material to the Secret level (except for Guam, which operates at Unclassified level).
- b. Maintenance of a bonded, secure warehouse with security monitoring
- c. Capacity to maintain and store all arrays and the Towed Array Handler/Transporter (TAH/T) in a protected, climate controlled and secure environment.
- d. Maintenance of a Government Property Control system approved by DCMA.
- e. Capabilities to collect, store, and dispose of hazardous material in compliance with Federal and local requirements.
- f. Availability of a dedicated truck capable of towing the TAH/T and a dedicated fork lift at each IMA site.
- g. Ability to ship Government property using Government Bill of Lading (GBL) authority under the Electronic Transportation Acquisition (ETA) system (for all locations except Pearl Harbor and Guam). For Pearl Harbor and Guam locations, coordination with the Military Airlift Command (AMC) for shipping is required.
- h. High-speed internet capability.

The Contractor shall maintain a minimum of one facility for the Vibration Isolation Module (VIM) recertification site of the TB-16 and TB-23 VIM modules. The Contractor shall maintain a minimum of one facility for the construction of shipping crates, minor piece parts and parts assembly for shipping and maintenance actions.

4.1.2.1 Performance Standard: The required facilities under task 4.1.1 are provided with capabilities a-h listed under subtask 4.1.2 above.

CONTRACT NO. N00178-04-D-4079	DELIVERY ORDER NO. N416	AMENDMENT/MODIFICATION NO. 30	PAGE 16 of 65	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

4.2 ENGINEERING AND PROCESS ENGINEERING SERVICES

The Contractor shall provide the following services for submarine and surface ship towed systems: conduct and participation in technical meetings, towed array refurbishment/build process services, field services, configuration management, asset management, maintenance and calibration of support equipment and test equipment, failure analysis, Fleet organizational-level training, transportation and handling services, and repair parts support services.

4.2.1 Program Review Meetings

The Contractor shall conduct IMA Program Status Reviews (PSRs) and IMA Managers Technical Meetings three times a year. The Government will provide a schedule for the meetings (GFI 6.30). The purpose of the PSR is to address IMA programmatic status (e.g. task order status, financial performance, administrative items/issues, etc). The purpose of the IMA Managers Technical meeting is to report on technical status updates from each of the IMA site managers, and any relevant technical issues.

The Contractor shall participate in monthly Asset Management Teleconferences to provide IMA status information (array on-hand inventory array requirements, asset shortfalls, etc) and discuss other topics pertinent to the array community. The Government will provide a schedule for the teleconferences (GFI 6.30).

4.2.1.1 Deliverables

The Contractor shall prepare and submit meeting agendas, presentation material, and meeting data minutes in accordance with CDRLs A001, A002, and A003 respectively.

4.2.1.2 Performance Standard: Deliverables are submitted in accordance with CDRLS A001, A002 and A003 as applicable. Deliverables are concise, accurate, and contain minimal errors. Deliverables are sufficient to facilitate efficient and productive meetings.

4.2.2 Towed Array Refurbishment/Build Process Services

The Contractor shall conduct the necessary analysis, disassembly/assembly, minor repair/replacement, calibration, recertification and testing needed to refurbish/build towed arrays in accordance with the applicable maintenance plans and technical documentation provided as Government Furnished Information (GFI) in Section 6.0 and subsequent revisions thereto distributed by NUWC DIVNPT.

For incoming arrays (arrays removed from a submarine or surface ship, or received from another IMA), the Contractor shall provide the following refurbishment/build process services:

- a. Visual inspections
- b. Electrical tests
- c. Removal and replacement of modules which meets failure criteria, exceeds Time on Hull (TOH) or service life requirements as specified in associated Array technical manuals (GFI 6.0)
- d. Fault verification and isolation,
- e. Repair of minor cuts and abrasions in the tow cable jacket and the array module hose,

CONTRACT NO. N00178-04-D-4079	DELIVERY ORDER NO. N416	AMENDMENT/MODIFICATION NO. 30	PAGE 17 of 65	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

- f. TB-16 and TB-23 VIM recertification testing in accordance with the Towed Array Technical Manual requirements listed in Section 6.0 under GFI. Update Towed Array Management System (TAMS) with Recertification test data
- g. Additional maintenance actions identified in the technical manuals listed on the GFI list
- h. Document technical work performed on applicable IMA Quality Forms

For outgoing arrays (arrays to be delivered to a submarine or surface ship), the Contractor shall provide the following refurbishment/build process services:

- a. Visual inspections
- b. Electrical tests
- c. Inspect and clean all module couplings and connectors
- d. Filling and bleeding the modules
- e. Pressure checks
- f. Assembly of modules into a complete array
- g. Check-out of array after completion of maintenance,
- h. Additional maintenance actions identified in the technical manuals listed on the GFI list
- i. Document technical work performed on applicable IMA Quality Forms

4.2.2.1 Performance Standard: Inspections, tests, refurbishments, filling and bleeding modules, pressure checks, assembly of modules, check-out of array after completion of maintenance, and additional maintenance are in accordance with the applicable maintenance plans and technical documentation. Documentation of technical work performed and uploading of data to the TAMS data base are concise, accurate and contain minimal errors.

4.2.3 Towed Array Installations and Removals

The Contractor shall provide intermediate level maintenance services for other U.S. facilities and overseas sites via GFI Schedules (6.31).

The Contractor shall provide the following Services:

- a. Removal and replacement of tow cables and pendant cables
- b. Removal and reinstallation of complete arrays
- c. In-field visual inspections
- d. In-field repair of minor cuts and abrasions in the tow cable jacket and the array module hose,
- e. Additional in-field maintenance actions identified in all the technical manuals listed on the GFI listed in Section 6.0.
- f. Provide on-the-job training where the Contractor notices deficiencies. Assistance under this task is limited to immediate need only, not to substitute for training identified in paragraph 4.2.8. An

CONTRACT NO. N00178-04-D-4079	DELIVERY ORDER NO. N416	AMENDMENT/MODIFICATION NO. 30	PAGE 18 of 65	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

immediate need is based on the Contractor identifying a deficiency during the array install or removal.

The Government will provide port services such as cranes, barges, and small boats in support of task 4.2.3.

4.2.3.1 Deliverables

The Contractor shall provide trip reports for all work performed in paragraph 4.2.3 in accordance with CDRL A004. For any visits out of homeport (i.e. the port where a ship is primarily based), if the boat was left in an Out of Commission (OOC) status, the Contractor shall provide a trip report when the contractor completes the repair.

When immediate need training takes place the Contractor shall provide a report indicating the following: location, type of training provided, number of personnel trained, length of training, and any pertinent comments to the Government and the Training Logistics Element Manager in accordance with CDRL A004.

4.2.3.2 Performance Standard: Installations and removals are conducted in accordance with technical manuals and other technical documentation and are performed in a timely and accurate manner. Deliverables are submitted in accordance with CDRL A004. Deliverables are concise, accurate, and contain minimal errors.

4.2.4 Configuration Management

The Contractor shall establish a Configuration Management Program to ensure the following:

- a. Technical documentation, provided as GFI, is under change control and is maintained;
- b. Retrofit of approved engineering changes are accomplished on affected material at the authorized point;
- c. Changed articles are appropriately marked or identified;
- d. Change accomplishment is recorded;
- e. Towed arrays loaded are compatible with the receiving ship's handling and inboard processing system;
- f. The Contractor shall review Engineering Change Proposals (ECPs) and Engineering Change Instructions (ECIs) for the purpose of assessing IMA impact.

4.2.4.1 Performance Standard: The contractor maintains a Configuration Management Program sufficient to ensure items a-f above and it is used in performance of this task order.

4.2.5 Asset Management Services

The Contractor shall update the PMS401 Towed Array Management System (TAMS) database with the current status and life-cycle tracking of all program assets and report on inventory status. The databases shall be updated within one (1) business day of a status change. Updates shall include the following data:

- a. IMA inventory control,
- b. Replenishment analysis and planning,

CONTRACT NO. N00178-04-D-4079	DELIVERY ORDER NO. N416	AMENDMENT/MODIFICATION NO. 30	PAGE 19 of 65	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

- c. Failure analysis data,
- d. ECP retrofit status,
- e. Configuration identification and status accounting,
- f. Array and module history/usage data
- g. Updates to UID database

Physical marking of legacy items with their assigned (virtual) Unique Item Identifiers (UIIs) will be accomplished at the depots and not at the IMAs. The Contractor shall maintain (update) an item's record in the Item Unique Identification (IUID) Registry at each IMA.

The Contractor shall track and replace components with limited life. Limited life components and their life restrictions are subject to change and the Government will provide them as GFI 6.29. The Contractor shall use data from the Towed Array Management System (TAMS) to track the following elements for all limited life components:

- a. Part number and serial number
- b. Age of component (from date of manufacturer delivery)
- c. Date of last component recertification
- d. Date next recertification is due
- e. Identification of components which have exceeded installation life

The Contractor shall ship components to the appropriate recertification site in accordance with GFI 6.29.

The Contractor shall track components requiring periodic calibration. Modules requiring calibration and calibration periods are subject to change and the Government will provide them as GFI 6.29. The Contractor shall use data from the Towed Array Management System (TAMS) to track the following elements for all components requiring calibration:

- a. Part number and serial number
- b. Date of last component calibration
- c. Date next calibration is due
- d. Identification of components with an expired calibration date

The Contractor shall manage distribution of towed array assets to ensure IMA inventory levels support Fleet requirements. The Contractor shall coordinate shipping of towed array components that are ready for shipment from the array depot facilities to the designated IMA.

4.2.5.1 Performance Standard: A registry of UII items is accurately maintained at each IMA facility. Components with limited life and components requiring periodic calibration are tracked and replaced when applicable. Updates to the TAMS database are accurate and contain minimal errors. The TAMS database is updated within one (1) business day of a status change.

4.2.6 Support Equipment and Test Equipment Services

The Contractor shall maintain, calibrate, repair and refurbish Towed Systems Support and Test Equipment.

The Contractor shall perform dockside handler refurbishment. At a minimum, refurbishment shall

CONTRACT NO. N00178-04-D-4079	DELIVERY ORDER NO. N416	AMENDMENT/MODIFICATION NO. 30	PAGE 20 of 65	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

include the following:

- a. Sandblast, prime and paint with marine quality enamel topcoat
- b. Replace relief and remote relief valves
- c. Replace flow control valves
- d. Install flange modification kit
- e. Replace filters
- f. Replace hydraulic fluid
- g. Rebuild electronic control unit
- h. Provide necessary cables

The Contractor shall repair the TB-16 Analog Test Set.

4.2.6.1 Deliverables

The Contractor shall maintain, calibrate, repair/refurbish, and report status on intermediate-level Government-furnished support and test equipment in accordance with CDRL A005. A list of support and test equipment is provided in Government Furnished Property (GFP) list.

4.2.6.2 Performance Standard: Support and test equipment are maintained, calibrated, repaired/refurbished in accordance with technical manuals and other technical documentation. Deliverables are concise, accurate, and contain minimal errors. The deliverable is submitted in accordance with CDRL A005.

4.2.7 Failure Analysis

The Contractor shall perform engineering investigations to assess system performance and potential problems, conduct failure isolation to the degree possible without destroying the asset, and assess the impact of modifications and changes on the towed arrays, handling systems, and ancillary equipment. The Contractor shall collect fleet failure data in sufficient detail to allow accurate failure analysis by Government personnel. The contractor shall discuss this data, both historical and current, at failure analysis meetings scheduled by the Government. The Government will provide a schedule for the meeting (GFI 6.30).

4.2.7.1 Deliverables

The Contractor shall provide a report of the results of these activities to the Government in accordance with CDRL A004.

4.2.7.1 Performance Standard: The Deliverable is concise, accurate, contains minimal errors and contains sufficient detail for Government personnel to conduct accurate failure analysis. The Deliverable is submitted in accordance with CDRL A004.

4.2.8 Fleet Organizational-Level Training

The Contractor shall conduct on-site, on-the-job training to submarine or surface ship personnel and authorized civilian personnel on the operation and maintenance of the towed systems and ancillary equipment. For this training the Government will issue TIs with specifics details. The Contractor shall provide computer resources for conduct of the training. The Contractor shall conduct Organizational level training courses for towed systems as follows:

CONTRACT NO. N00178-04-D-4079	DELIVERY ORDER NO. N416	AMENDMENT/MODIFICATION NO. 30	PAGE 21 of 65	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

The Contractor shall develop, instruct and maintain training course classes, curriculum and student database. Course curriculum development shall provide Navy personnel with array/handler theory, operations, array physical and electronic characteristics, fault isolation procedures, and removal/replacement procedures.

The Contractor shall develop and maintain an Instructor Qualification/Certification program. The program shall provide specific requirements for instructor qualification, certification process, and reporting requirements. The Training Logistics Element Manager, (NUWC DIVKPT), shall review and approve the Instructor Qualification/Certification program. The Training Logistics Element Manager shall provide instructor training materials and shall conduct random visits to verify curriculum effectiveness and evaluate the instructor.

The Contractor shall conduct training sessions at its or Navy designated sites identified by the designated Training Logistics Element Manager. The Contractor shall conduct Organization Level courses using curriculum provided by the Course Curriculum Authority (CCA), associated Government Furnished Equipment (GFE), and applicable Government Furnished Information (GFI). The courses shall provide Navy personnel with array/handler theory, operations, array physical and electronic characteristics, fault isolation procedures, and removal replacement procedures. The conducts shall also include theory and operation of any required support and test equipment supporting array operations and maintenance.

4.2.8.1 Deliverables

Upon completion of each course, the Contractor shall provide each trainee a Certificate of Completion and compose a Training Course Completion Report in accordance with CDRL A006. The Contractor shall provide a list of attendees and copies of student critique forms to the Training Logistics Element Manager. Additionally, any curriculum change recommendations, or applicable comments received during the course conducts shall be forwarded to the Training Logistics Element Manager for consideration in accordance with CDRL A006.

4.2.8.2 Performance Standard: On the job training is conducted in accordance with TIs issued by the Government. Organizational Level Training is conducted as approved by the Training Logistics Element Manager. The deliverables are concise, accurate and contain minimal errors. The deliverables are submitted in accordance with CDRL A006

4.2.9 Shipping Container Manufacturing

The Contractor shall manufacture shipping crates, minor piece parts and parts assembly for long distance and overseas shipping of materials for which no standard shipping container exists. Containers shall be compliant with DLAD 52.247-9012, Requirements of Wood Packaging Material (WPM).

4.2.9.1 Performance Standard: Shipping containers meet the requirements of the items requiring shipment and are compliant with DLAD 52.247-9012, Requirements of Wood Packaging Material (WPM).

4.2.10 Transportation and Handling Services

The Contractor shall ship items from each IMA site including the following elements:

CONTRACT NO. N00178-04-D-4079	DELIVERY ORDER NO. N416	AMENDMENT/MODIFICATION NO. 30	PAGE 22 of 65	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

- a. Maintain an adequate inventory of GFE/Contractor manufactured shipping containers.
- b. Shipping of arrays in accordance with international, federal, and local requirements (Applicable Documents 3.0);
- c. Compliance with DLAD 52.247-9012, Requirements of Wood Packaging Material (WPM).
- d. Tagging shipments with Radio-Frequency Identification (RFID) markings as applicable

The Contractor shall ship equipment by Commercial Bill of Lading (CBL). All shipments made using normal shipping methods (i.e. truck, air or military transport) and using non-contract funds shall be processed without approval from customer. The Contractor shall obtain approval via written communication from the Contracting Officer Representative (COR) before using contract funds for commercial shipments to support emergent fleet needs. All material shipped or used in support of Government programs shall be documented via a DD 1149 shipping document. The Contractor shall collect and submit copies of the DD 1149s monthly to the Government by attaching them to the Report of Receipts, Inventory, Adjustments, and Shipments of Government property delivered under CDRL A008.

The Contractor shall use Line of Accounting (LOA) Transportation Acquisition codes (TAC) for shipment movements in accordance with Clause G40S.

4.2.10.1 Performance Standard: Items are shipped in accordance with applicable laws and regulations identified in section 3.0 and DLAD 52.247-9012, Requirements of Wood Packaging Material (WPM). The deliverable is concise, accurate and with minimal errors. The deliverable is submitted in accordance with CDRL A008.

4.2.11 Repair Parts Support Services

The Contractor shall inventory, store, and ship Government-furnished repair parts in accordance with the provisions outlined in Part 45.5 of the Federal Acquisition Regulation (FAR) and update the Towed Array Management System (TAMS).

The Contractor shall make recommendations for procurement of piece parts, consumable items, and incidental material for maintenance and repair of the towed systems and related support and test equipment.

4.2.11.1 Deliverables

The Contractor shall provide proposed repair parts list in accordance with CDRL A007.

4.2.11.2 Performance Standard: Repair parts that are inventoried, stored and shipped are tracked in the TAMS accurately. Recommendations for piece parts, consumable items, and incidental materials for maintenance and repair of towed systems are submitted in accordance with CDRL A007.

5.0 PROGRESS REPORTS

The Contractor shall submit Monthly Progress and Financial Reports IAW Clause C16S. These reports shall document the technical and financial status.

6.0 GOVERNMENT FURNISHED INFORMATION

-

CONTRACT NO. N00178-04-D-4079	DELIVERY ORDER NO. N416	AMENDMENT/MODIFICATION NO. 30	PAGE 23 of 65	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

- 6.1 Technical Manual; Organizational Level, Operation/Maintenance for Towed Body TB-16/BQ, TB-16A/BQ and TB-16B/BQ; Pub. No. SE394-AA-MMO-010; Rev 0; dated 10/1/86 – Download from: <https://vise.kypt.nmci.navy.mil/ProjectTeams/USW/Acoustic/towedsystems/techmanuals>
- 6.2 Technical Manual; Intermediate Maintenance, Towed Body TB-16/BQ, TB-16A/BQ and TB-16B/BQ; Pub No. SE394-AA-MMI-010; Rev 0; dated 11/1/86 – Download from: <https://vise.kypt.nmci.navy.mil/ProjectTeams/USW/Acoustic/towedsystems/techmanuals>
- 6.3 Technical Manual; Operation and Maintenance Instructions with Illustrated Parts Breakdown; Intermediate Level; Pub No. SE394-AG-IEM-010; Change Advance B; dated 4/17/11 (supersedes SE394-AG-MMI-010 Rev3 and SE394-AG-MMO-010 Rev 3 dated 3/7/02) – Download from: <https://vise.kypt.nmci.navy.mil/ProjectTeams/USW/Acoustic/towedsystems/techmanuals>
- 6.4 Maintenance Instructions for Towed Body TB-23/BQ; Pub No. SE321-AD-MMM-010; Rev 5, Change E; dated 2/17/11 – Download from: <https://vise.kypt.nmci.navy.mil/ProjectTeams/USW/Acoustic/towedsystems/techmanuals>
- 6.5 Maintenance Manual; Operational Level, Organization/Maintenance for Deployable Array Working Group Type OA-9070/BQQ; Pub No. SE325-CF-MMO-010; Rev 4, Change G; dated 9/27/09 – Download from: <https://vise.kypt.nmci.navy.mil/ProjectTeams/USW/Acoustic/towedsystems/techmanuals>
- 6.6 Technical Manual; Operation and Intermediate Maintenance for Deployable Array Working Group Type OA-9070/BQQ; Pub No. SE325-CF-MMI-010; Rev 4, Change J; dated 1/13/11 – Download from: <https://vise.kypt.nmci.navy.mil/ProjectTeams/USW/Acoustic/towedsystems/techmanuals>
- 6.7 Maintenance Manual; Organizational Level, Operation/Maintenance for Deployable Array Working Group Type OA-9070A/BQQ Pub No. SE325-CF-MMO-A10; Rev 3, Change J; dated 4/22/11 – Download from: <https://vise.kypt.nmci.navy.mil/ProjectTeams/USW/Acoustic/towedsystems/techmanuals>
- 6.8 Technical Manual; Intermediate Level Operation/Maintenance for Deployable Array Working Group Type OA-9070A/BQQ; Pub No. SE325-CF-MMI-A10; Rev 3, Change J; dated 4/22/11 – Download from: <https://vise.kypt.nmci.navy.mil/ProjectTeams/USW/Acoustic/towedsystems/techmanuals>
- 6.9 Technical Manual; Organizational and Intermediate Level Operation/Maintenance for Deployable Array Working Group Type OA-9070B/BQQ; Pub No. SE325-CF-MMM-A10; Rev 0, Change K; dated 2/24/11 – Download from: <http://vise.kypt.nmci.navy.mil/ProjectTeams/USW/Acoustic/towedsystems/techmanuals>
- 6.10 Technical Manual; Operating, Troubleshooting, Maintenance, Inspection, and Installation Instructions with Illustrated Parts Breakdown for Reelable Towed Handling System Type OK-276A/BQ, OK-276()/BQ and OK-418/BQ; Organization Intermediate and Depot Levels;

CONTRACT NO. N00178-04-D-4079	DELIVERY ORDER NO. N416	AMENDMENT/MODIFICATION NO. 30	PAGE 24 of 65	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

Pub No. SE325-CB-MMA-010; Rev 2, Change H; dated 3/3/11 – Download from:
<http://vise.kypt.nmci.navy.mil/ProjectTeams/USW/Acoustic/towedsystems/techmanuals>

- 6.11 Technical Manual; Description, Operation, Installation, and Maintenance Instructions for Towed Sonar, Handling and Stowage Gear; Pub No. SE300-BF-MMA-010; Rev 2, Change E; dated 3/1/11 – Download from: <http://vise.kypt.nmci.navy.mil/ProjectTeams/USW/Acoustic/towedsystems/techmanuals>
- 6.12 Technical Manual; Description, Operation, and Maintenance for OK-542/BQ Thinline Handling Equipment (O-level); Pub No. S9595-AE-MMO-010; Rev 3, Change E; dated 4/17/11 – Download from: <http://vise.kypt.nmci.navy.mil/ProjectTeams/USW/Acoustic/towedsystems/techmanuals>
- 6.13 Technical Manual; Description, Operation, and Maintenance for OK-542/BQ Thinline Handling Equipment (I-level); Pub No. S9595-AE-MMI-010; Rev 2, Change E, dated 8/31/10 – Download from: <http://vise.kypt.nmci.navy.mil/ProjectTeams/USW/Acoustic/towedsystems/techmanuals>
- 6.14 Technical Manual; Description, Operation, and Maintenance for OK-542A/BQ Thinline Handling Equipment (O-level); Pub No. S9595-AE-MMO-A10; Rev 2, Change F; dated 4/17/11 – Download from: <http://vise.kypt.nmci.navy.mil/ProjectTeams/USW/Acoustic/towedsystems/techmanuals>
- 6.15 Technical Manual; Description, Operation, and Maintenance for OK-542A/BQ Thinline Handling Equipment (I-level); Pub. No. S9595-AE-MMI-A10; Rev 2, Change F; dated 9/1/10 – Download from: <http://vise.kypt.nmci.navy.mil/ProjectTeams/USW/Acoustic/towedsystems/techmanuals>
- 6.16 Technical Manual; Organizational Level, Operation and Maintenance for Thinline Towed Body TB-29/BQ; Pub No. SE394-AH-MMO-010; Rev 2; Change D; dated 11/28/08 – Download from: <http://vise.kypt.nmci.navy.mil/ProjectTeams/USW/Acoustic/towedsystems/techmanuals>
- 6.17 Technical Manual; Intermediate Level Maintenance for Thinline Towed Body TB-29/BQ; Pub. No. SE394-AH-MMI-010; Rev 3, Change H; dated 3/23/11 – Download from: <http://vise.kypt.nmci.navy.mil/ProjectTeams/USW/Acoustic/towedsystems/techmanuals>
- 6.18 Technical Manual; Intermediate Level, Operation and Maintenance for TB-29 Array Simulator; Pub. No. SE394-AJ-MMI-010; Rev 1; dated 6/30/99 – Download from: <http://vise.kypt.nmci.navy.mil/ProjectTeams/USW/Acoustic/towedsystems/techmanuals>
- 6.19 Technical Manual; Intermediate Level, Operation and Maintenance for TB-29 Array Module Test Set; Pub. No. SE394-AK-MMI-010; Rev 1; dated 6/30/99 – Download from: <http://vise.kypt.nmci.navy.mil/ProjectTeams/USW/Acoustic/towedsystems/techmanuals>
- 6.20 Technical Manual; Intermediate Level Maintenance for Thinline Towed Body TB-29A/BQ; Pub No. SE394-AT-MMI-010; Rev 1; change D; dated 3/23/11 – Download from: <http://vise.kypt.nmci.navy.mil/ProjectTeams/USW/Acoustic/towedsystems/techmanuals>

CONTRACT NO. N00178-04-D-4079	DELIVERY ORDER NO. N416	AMENDMENT/MODIFICATION NO. 30	PAGE 25 of 65	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

- 6.21 Description, Operation, and Maintenance Manual for Portable Towed Array Test Set; Pub No. SE398-BB-MMI-010; Rev 1; Change B; dated 11/28/08 – Download from: <http://vise.kypt.nmci.navy.mil/ProjectTeams/USW/Acoustic/towedsystems/techmanuals>
- 6.22 Technical Manual; Operation and Maintenance Instructions with Illustrated Parts Breakdown; Intermediate Level for Towed Body TB-16G/BQ; Pub No. SE394-AY-IEM-010; Rev 0, Change D; dated 12/22/10 – Download from: <http://vise.kypt.nmci.navy.mil/ProjectTeams/USW/Acoustic/towedsystems/techmanuals>
- 6.23 Technical Manual; Operating, Troubleshooting, Maintenance, Inspection, and Installation Instructions with Illustrated Parts Breakdown for Reelable Towed Array Handling System Type OK-276C/BQ; Pub No. S9595-AK-MMA-010; Rev 0; Change B; dated 1/7/08 – Download from: <http://vise.kypt.nmci.navy.mil/ProjectTeams/USW/Acoustic/towedsystems/techmanuals>
- 6.24 Technical Manual; Operating, Troubleshooting, Maintenance, Inspection, and Installation Instructions with Illustrated Parts Breakdown for Reelable Towed Array Handling System Type OK-276C/BQ (SSN 23 ONLY); Organizational Intermediate, and Depot Levels; Pub No. S9595-AA-MMA-010; Rev 0; Change A; dated 1/7/08 – Download from: <http://vise.kypt.nmci.navy.mil/ProjectTeams/USW/Acoustic/towedsystems/techmanuals>
- 6.25 Maintenance Manual for Towed Array Handling and Stowage Group (Thin Line) Type OK-634/BSY; Operation, Functional Description, Troubleshooting, Maintenance, Parts List, and Installation; Pub No. S9595-AL-MMA-010; Rev 0, Change E; dated 2/24/11 – Download from: <http://vise.kypt.nmci.navy.mil/ProjectTeams/USW/Acoustic/towedsystems/techmanuals>
- 6.26 OA-0970 Series Deployable Array Working Group Organizational Level Operation and Maintenance Course; Pub No. A-130-0087 – Provided By Training Logistics Element Manager
- 6.27 OK-276 Series Deployable Array Handling System Organizational Level Maintenance Course; Pub No. A-130-0089 – Provided By Training Logistics Element Manager
- 6.28 OK-542 Series Deployable Array Handling System Organizational Level Operation and Maintenance Course; Pub. No. A-130-0091 – Provided By Training Logistics Element Manager
- 6.29 Limited Life Components, Life Restrictions and Calibration Periods
- 6.30 Program Review, Technical Meeting, and Teleconference schedule
- 6.31 Towed Array Installation and removal schedules

7.0 QUALITY SURVEILLANCE & PERFORMANCE STANDARDS

The Government will conduct quality surveillance via various methods including formal and informal meetings, review of technical reports, review of monthly progress reports, and review of deliverables.

CONTRACT NO. N00178-04-D-4079	DELIVERY ORDER NO. N416	AMENDMENT/MODIFICATION NO. 30	PAGE 26 of 65	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

The Government will evaluate contractor performance in the areas of technical quality, responsiveness, timeliness and cost. Technical quality will be evaluated against the performance standards defined in applicable documents and GFI in Section 6.0. The Government will evaluate responsiveness based upon the Government experience interacting with the Contractor during performance. The Government will evaluate timeliness based on the Contractor's ability to meet CDRL schedules with minimal variance. The Government will evaluate cost based upon the Contractor's ability to manage to the negotiated costs.

CONTRACTOR MANPOWER REPORTING APPLICATION (ECMRA) LANGUAGE (OCT 2012)

The contractor shall report ALL contractor labor hours (including subcontractor labor hours) required for performance of services provided under this contract for the Naval Undersea Warfare Center Division, Newport, RI (N66604) via a secure data collection site. The contractor is required to completely fill in all required data fields using the following web address <https://doncmra.nmci.navy.mil> . Reporting inputs will be for the labor executed during the period of performance during each Government fiscal year (FY), which runs October 1 through September 30. While inputs may be reported any time during the FY, all data shall be reported no later than October 31 of each calendar year.

Contractors may direct questions to the help desk, linked at <https://doncmra.nmci.navy.mil>.

The following Clauses are incorporated by Full Text:

HQ C-1-0001 ITEM(S) 4000- DATA REQUIREMENTS (NAVSEA)

(SEP 1992)

The data to be furnished hereunder shall be prepared in accordance with the Contract Data Requirements List, DD Form 1423, Exhibit(s) A , attached hereto.

HQ C-2-0004 ACCESS TO THE VESSEL(S) (AT) (NAVSEA) (JAN 1983)

Officers, employees and associates of other prime Contractors with the Government and their subcontractors, shall, as authorized by the Supervisor, have, at all reasonable times, admission to the plant, access to the vessel(s) where and as required, and be permitted, within the plant and on the vessel(s) required, and be permitted, within the plant and on the vessel(s) to perform and fulfill their respective obligations to the Government. The Contractor shall make reasonable arrangements with the Government or Contractors of the Government, as shall have been identified and authorized by the Supervisor to be given admission to the plant and access to the vessel(s) for office space, work areas, storage or shop areas, or other facilities and services, necessary for the performance of the respective responsibilities involved, and reasonable to their performance.

HQ C-2-0005 ACCESS TO VESSELS BY NON-U.S. CITIZENS (NAVSEA) (DEC 2005)

(a) No person not known to be a U.S. citizen shall be eligible for access to naval vessels, work sites and adjacent areas when said vessels are under construction, conversion, overhaul, or repair, except upon a finding by COMNAVSEA or his designated representative that such access should be permitted in the best interest of the United States. The Contractor shall establish procedures to comply with this requirement and NAVSEAINST 5500.3 (series) in effect on the date of this contract or agreement.

(b) If the Contractor desires to employ non-U.S. citizens in the performance of work under this contract or agreement that requires access as specified in paragraph (a) of this requirement, approval must be obtained prior to access for each contract or agreement where such access is required. To request such approval for non-U.S. citizens of friendly countries, the Contractor shall submit to the cognizant Contract Administration Office (CAO), an Access Control Plan (ACP) which shall contain as a minimum, the following information:

CONTRACT NO. N00178-04-D-4079	DELIVERY ORDER NO. N416	AMENDMENT/MODIFICATION NO. 30	PAGE 27 of 65	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

(1) Badge or Pass oriented identification, access, and movement control system for non-U.S. citizen employees with the badge or pass to be worn or displayed on outer garments at all times while on the Contractor's facilities and when performing work aboard ship.

(i) Badges must be of such design and appearance that permits easy recognition to facilitate quick and positive identification.

(ii) Access authorization and limitations for the bearer must be clearly established and in accordance with applicable security regulations and instructions.

(iii) A control system, which provides rigid accountability procedures for handling lost, damaged, forgotten or no longer required badges, must be established.

(iv) A badge or pass check must be performed at all points of entry to the Contractor's facilities or by a site supervisor for work performed on vessels outside the Contractor's plant.

(2) Contractor's plan for ascertaining citizenship and for screening employees for security risk.

(3) Data reflecting the number, nationality, and positions held by non-U.S. citizen employees, including procedures to update data as non-U.S. citizen employee data changes, and pass to cognizant CAO.

(4) Contractor's plan for ensuring subcontractor compliance with the provisions of the Contractor's ACP.

(5) These conditions and controls are intended to serve as guidelines representing the minimum requirements of an acceptable ACP. They are not meant to restrict the Contractor in any way from imposing additional controls necessary to tailor these requirements to a specific facility.

(c) To request approval for non-U.S. citizens of hostile and/or communist-controlled countries (listed in Department of Defense Industrial Security Manual, DOD 5220.22-M or available from cognizant CAO), Contractor shall include in the ACP the following employee data: name, place of birth, citizenship (if different from place of birth), date of entry to U.S., extenuating circumstances (if any) concerning immigration to U.S., number of years employed by Contractor, position, and stated intent concerning U.S. citizenship. COMNAVSEA or his designated representative will make individual determinations for desirability of access for the above group. Approval of ACP's for access of non-U.S. citizens of friendly countries will not be delayed for approval of non-U.S. citizens of hostile communist-controlled countries. Until approval is received, Contractor must deny access to vessels for employees who are non-U.S. citizens of hostile and/or communist-controlled countries.

(d) The Contractor shall fully comply with approved ACPs. Noncompliance by the Contractor or subcontractor serves to cancel any authorization previously granted, in which case the Contractor shall be precluded from the continued use of non-U.S. citizens on this contract or agreement until such time as the compliance with an approved ACP is demonstrated and upon a determination by the CAO that the Government's interests are protected. Further, the Government reserves the right to cancel previously granted authority when such cancellation is determined to be in the Government's best interest. Use of non-U.S. citizens, without an approved ACP or when a previous authorization has been canceled, will be considered a violation of security regulations. Upon confirmation by the CAO of such violation, this contract, agreement or any job order issued under this agreement may be terminated or default in accordance with the clause entitled "DEFAULT (FIXED-PRICE SUPPLY AND SERVICE)" (FAR 52.249-8), "DEFAULT (FIXED-PRICE RESEARCH AND DEVELOPMENT)" (FAR 52.249-9) or "TERMINATION (COST REIMBURSEMENT)" (FAR 52.249-6), as applicable.

(e) Prime Contractors have full responsibility for the proper administration of the approved ACP for all work performed under this contract or agreement, regardless of the location of the vessel, and must ensure compliance by all subcontractors, technical representatives and other persons granted access to U.S. Navy vessels, adjacent areas, and work sites.

(f) In the event the Contractor does not intend to employ non-U.S. citizens in the performance of the work under this contract, but has non-U.S. citizen employees, such employees must be precluded from access to the vessel and its work site and those shops where work on the vessel's equipment is being performed. The ACP must spell out how non-U.S. citizens are excluded from access to contract work areas.

(g) The same restriction as in paragraph (f) above applies to other non-U.S. citizens who have access to the

CONTRACT NO. N00178-04-D-4079	DELIVERY ORDER NO. N416	AMENDMENT/MODIFICATION NO. 30	PAGE 28 of 65	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

Contractor's facilities (e.g., for accomplishing facility improvements, from foreign crewed vessels within its facility, etc.)

HQ C-2-0012 CONFIGURATION MANAGEMENT (NAVSEA) (APR 2004)

(a) Baseline Definition - For configuration control purposes, all contractual documentation in effect at the time of contract award shall constitute the Contract Baseline which shall be considered incorporated in the baseline documentation.

(b) General Requirement - (1) The Contractor shall maintain a Configuration Control Program to assure that all detail level work being performed under this contract is in compliance with appropriate baseline documentation. The Contractor shall prepare a Configuration Management Plan in accordance with the requirements of the contract for approval by the Government.

(2) Whenever a situation arises wherein the Contractor cannot comply with a baseline document, or whenever intent of such documentation is significantly changed by detail level documentation, the Contractor shall submit change documents to modify baseline documents to resolve the conflict or to allow non-compliance. Whenever the cost of implementing a proposed change is less than the threshold requiring certified cost or pricing data, the Contractor shall provide documentation explaining the nature of related costs as shown on the change document. Whenever the contract cost changes by an amount greater than the threshold requiring certified cost or pricing data, the Contractor shall complete such cost and pricing data as the Contracting Officer shall require detailing all related costs, and attach it to the change document. Requirements for cost and pricing data shall be determined by the gross amount of the change unless otherwise directed by the contracting officer. Change documentation shall be submitted to the Contracting Officer in accordance with the Contract Data Requirements List (CDRL), and as described in paragraphs (c) through (f) below.

(c) Engineering Change Proposals (ECPs) - ECPs shall be prepared in accordance with the approved configuration management plan and the requirements of the contract. DI-CMAN-80639C approved 30 Sep 2000 and MIL-HDBK-61A of 7 Feb 2001 apply. An ECP should be submitted whenever the detail level physical configuration, material quality, operational or functional performance of equipment or installed systems will not be in compliance with baseline design-related documents (Specifications, Contract Drawings, etc.), and a change to the baseline document is considered an appropriate means of resolving a design-related issue. Documentation shall be developed in sufficient detail to enable Government review and evaluation of the merits of the proposed change, including cost and scheduling impact, ship class impact, and consequences if disapproved. All existing drawings and technical manuals impacted by the change shall be listed along with a brief narrative explanation of needed changes to incorporate the ECP if approved. Weight and moment data incidental to the change shall be provided. The Contractor shall also prepare applicable baseline document insert sheets, with specific word changes or proposed re-write, to facilitate baseline documentation changes.

(d) Non-Engineering Change Proposals (NECPs) – An NECP should be submitted whenever necessary to document administrative, procedural, scheduling, or documentation changes that do not directly impact the physical configuration of the equipment. The NECP shall explain the nature of the problem, identify the applicable baseline document (i.e., Contract Data Requirement List (CDRL), Contract Clause, etc.) and provide a detailed explanation justifying the proposed course of action desired to resolve the problem. Insert sheets for applicable documents shall also be attached to facilitate change action in the event the Non-Engineering Change Proposal (NECP) is approved.

(e) Deviations and Waivers - In the event that a baseline design-related document requirement cannot be met, and a change to the baseline document is considered inappropriate, the Contractor shall submit a Request for Deviation (RFD) or Request for Waiver (RFW), as applicable. DI-CMAN-80640C approved 30 Sep 2000 and MIL-HDBK-61A of 7 Feb 2001 apply. The explanation of "need for deviation" should provide detailed justification and consequences of approval, to include technical details explaining the degree of non-compliance or effect on ship equipment or system operation constraints. In a similar manner, a waiver shall document an "as built" configuration that

CONTRACT NO. N00178-04-D-4079	DELIVERY ORDER NO. N416	AMENDMENT/MODIFICATION NO. 30	PAGE 29 of 65	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

departs from baseline documentation and should include any proposed corrections or modifications to better meet the intent of the baseline document.

(f) Equitable Adjustments for Change Documentation Preparations - For its effort expended in preparing ECPs, NECPs, Deviations and Waivers, the Contractor shall receive equitable adjustment under the following circumstances:

(1) In the event the Contractor, on its own initiative, and without written request from the Contracting Officer, develops a change document that is later disapproved by the Government, the Contractor shall bear the cost of this effort.

(2) To avoid such loss, and at its option, the Contractor may submit a "preliminary" document that outlines intent, but without detailed supporting documentation and request the Contracting Officer's approval for expenditure of effort to complete the detailed supporting documentation. In the event the Contracting Officer denies this request, the Contractor will bear the cost of development of the "preliminary" document, and shall make no further effort to complete detailed supporting documentation.

(3) In the event the Contracting Officer approves the Contractor's request to develop supporting documentation, the Contractor shall be equitably compensated for its effort for both the "preliminary" and "final" documentation, regardless of whether or not the change document is later approved.

(4) In the event the Contracting Officer requests in writing that the Contractor develop change documentation, the effort expended by the Contractor in developing such documentation shall be subject to equitable adjustment, regardless of whether or not the change document is later approved.

(5) In the event the Contractor, on its own initiative, and without written request from the Government, develops a change document that is later approved by the Contracting Officer, the cost of developing such documentation shall be incorporated in the contract modification that implements the change.

(6) Failure to agree to such equitable adjustment in contract price shall constitute a dispute, and shall be adjudicated in accordance with the requirements of the clause entitled "DISPUTES" (FAR 52.233-1).

(g) Any cost reduction proposal submitted pursuant to the clause entitled "VALUE ENGINEERING" (FAR 52.248-1) shall be submitted as a Code V Engineering Change Proposal (VECP). DI-CMAN-80639C approved 30 Sep 2000 and MIL-HDBK-61A of 7 Feb 2001 apply. Information required by the "VALUE ENGINEERING" clause shall also be submitted as part of the change request.

**HQ C-2-0016 DEPARTMENT OF LABOR OCCUPATIONAL SAFETY AND HEALTH STANDARDS
FOR SHIP REPAIR (NAVSEA) (SEP 1990)**

Attention of the Contractor is directed to the Occupational Safety and Health Act of 1970 (29 USC 651-678), and to the Safety and Health Regulations for Ship Repairing (29 CFR 1915), promulgated under Public Law 85-742, amending Section 41 of the Longshoremen's and Harbor Workers' Compensation Act (33 USC 941), and adopted by the Department of Labor as occupational safety or health standards under Section 6(a) of the Occupational Safety and Health Act of 1970 (See 29 CFR 1910.13). These regulations apply to all ship repair and related work, as defined in the regulations performed under this contract on the navigable waters of the United States including any dry dock and marine railway. Nothing contained in this contract shall be construed as relieving the Contractor from any obligations which it may have for compliance with the aforesaid regulations.

CONTRACT NO. N00178-04-D-4079	DELIVERY ORDER NO. N416	AMENDMENT/MODIFICATION NO. 30	PAGE 30 of 65	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

HQ C-2-0018 DISPOSAL OF SCRAP (NAVSEA) (JAN 2008)

(a) All Government scrap resulting from accomplishment of any job order is the property of the Contractor to be disposed as it sees fit. Scrap is defined as property that has no reasonable prospect of being sold except for the recovery value of its basic material content. The determination as to which materials are scrap and which materials are salvage, will be made, or concurred in, by the duly appointed Property Administrator for the cognizant SUPSHIP or RMC Office.

(b) As consideration for retaining the Government's scrap, the Contractor's price for the performance of the work required herein shall be a net price reflecting the value of the Government scrap.

(c) This requirement is not intended to conflict in any way with the clauses of this contract entitled "PERFORMANCE" (DFARS 252.217-7010) or "GOVERNMENT PROPERTY (FIXED PRICE-CONTRACTS)" (FAR 52.245-2) under the Master Contract in effect at the time of job order award, nor does it relieve the Contractor of any other requirement under such clauses.

HQ C-2-0023 Exclusion of Mercury (NAVSEA) (MAY 1998)

Mercury or mercury containing compounds shall not be intentionally added or come in direct contact with hardware or supplies furnished under this contract.

HQ C-2-0028 GOVERNMENT SURPLUS PROPERTY (NAVSEA) (SEP 1990)

No former Government surplus property or residual inventory resulting from terminated Government contracts shall be furnished under this contract unless (i) such property is identified in the Special Contract Requirements or (ii) is approved in writing by the Contracting Officer. Notwithstanding any such identification in the Special Contract Requirements or approval by the Contracting Officer, the Contractor agrees all items or components described in this requirement shall comply in all respects with the specifications contained herein.

HQ C-2-0045 QUALIFICATION OF CONTRACTOR NONDESTRUCTIVE TESTING (NDT) PERSONNEL (NAVSEA) (APR 2004)

(a) The Contractor and any Nondestructive Testing (NDT) subcontractor shall utilize for the performance of required NDT, only Level I, II and III personnel currently certified in accordance with NAVSEA Technical Publication T9074-AS-GIB-010/271, ACN Notice 1 of 16 Feb 99. Documentation pertaining to the qualification and certification of NDT personnel shall be made available to the Contracting Officer for review upon request.

(b) These requirements do not apply with respect to nuclear propulsion plant systems and other matters under the technical cognizance of SEA 08. Because of health and safety considerations, such matters will continue to be handled as directed by SEA 08.

HQ C-2-0051 SPECIFICATIONS AND STANDARDS (NAVSEA) (AUG 1994)

(a) Definitions.

(i) A "zero-tier reference" is a specification, standard, or drawing that is cited in the contract (including its attachments).

(ii) A "first-tier reference" is either: (1) a specification, standard, or drawing cited in a zero-tier reference, or (2) a specification cited in a first-tier drawing.

(b) Requirements.

All zero-tier and first-tier references, as defined above, are mandatory for use. All lower tier references shall be used for guidance only.

HQ C-2-0053 STANDARDIZATION - ALTERNATE I (NAVSEA) (JAN 2008)

Subject to meeting the requirements of the specifications, the Contractor shall utilize equipments and components

CONTRACT NO. N00178-04-D-4079	DELIVERY ORDER NO. N416	AMENDMENT/MODIFICATION NO. 30	PAGE 31 of 65	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

identical to those of the SSN, SSGN, and SSBN Class Ships. Where equipments or components are not available, the Contractor shall select hull, mechanical, and electrical (HM&E) components in the following order:

(a) Equipment which meets the requirements of the specifications and is identical to equipments and components of the SSN, SSGN, and SSBN Class Ships.

(b) HM&E equipment that meets the requirement of the specification and which is listed in HM&E Equipment Data Research System (HEDRS) with an Engineering Support Code (ESC) of either A, *, G, S, X, Z, P.

(c) Equipment which meets the requirements of the specifications (non-standard equipment). For this category, Provisioning Technical Documentation shall be submitted in accordance with paragraph (d) below, and the requirements of the Contract Data Requirements List (CDRL), Exhibit A.

(d) For Contractor furnished equipments that meet standardization requirements of paragraph (a) or (b) above, only a Statement of Prior Submission is required. For non-standard equipment, paragraph (c) above, Provisioning Technical Documentation (PTD) shall be developed in accordance with MIL-PRF-49506 dated 11 November 1996, and the Provisioning Requirements Statement.

(e) For non-standard equipment, paragraph (c) above, new/revised Level 3 drawings per MIL-DTL-31000C dated 9 July 2004 shall be developed for new/modified Contractor furnished equipment. In addition, the Contractor shall update applicable Level 3 contract ship construction drawings.

(f) For non-standard equipment, paragraph (c) above, new/revised technical manuals shall be developed in accordance with NAVSEA Standard Items 009-39, 009-41 and 009-42. Technical manual management data shall include those deliverable data items required for Government monitoring/tracking/approval of Contractor's technical manual efforts.

HQ C-2-0059 Updating Specifications and Standards (NAVSEA) (AUG 1994)

If, during the performance of this or any other contract, the contractor believes that any contract contains outdated or different versions of any specifications or standards, the contractor may request that all of its contracts be updated to include the current version of the applicable specification or standard. Updating shall not affect the form, fit or function of any deliverable item or increase the cost/price of the item to the Government. The contractor should submit update requests to the Procuring Contracting Officer with copies to the Administrative Contracting Officer and cognizant program office representative for approval. The contractor shall perform the contract in accordance with the existing specifications and standards until notified of approval/disapproval by the Procuring Contracting Officer. Any approved alternate specifications or standards will be incorporated into the contract.

C16S COST AND PERFORMANCE REPORTING (NOV 2011)

(a) The Contractor agrees to upload the Contractor's Funds and Man-hour Expenditure Reports in the Electronic Cost Reporting and Financial Tracking (eCRAFT) System and submit the Contractor's Performance Report on the day and for the same timeframe the contractor submits an invoice into Wide Area Workflow (WAWF). Compliance with this requirement is a material requirement of this contract. Failure to comply with this requirement may result in contract termination.

(b) The Contractor's Funds and Man-hour Expenditure Report reports contractor expenditures for labor, materials, travel, subcontractor usage, and other contract charges.

(c) The Contractor's Performance Report indicates the progress of work and the status of the program and of all assigned tasks. It informs the Government of existing or potential problem areas.

(1) Access:

a) eCRAFT: Reports are uploaded through the Electronic Cost Reporting and Financial Tracking (eCRAFT) System Periodic Report Utility (EPRU). The EPRU spreadsheet and user manual can be obtained at:

CONTRACT NO. N00178-04-D-4079	DELIVERY ORDER NO. N416	AMENDMENT/MODIFICATION NO. 30	PAGE 32 of 65	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

<http://www.navsea.navy.mil/nuwc/newport/contracts/default.aspx> under eCRAFT information. The eCRAFT e-mail address for report submission is: Ecrafft_nuwc_npt_fct@navy.mil. If you have problems uploading reports, please see the Frequently Asked Questions at the site address above.

b) WAWF: See Clause HQ G-2-0007.

(2) Format.

a) eCRAFT: Data shall be reported in a format acceptable to the Electronic Cost Reporting and Financial Tracking System (eCraft) as defined in the EPRU manual.

b) Contractor's Performance Report: The pages shall be sequentially numbered. All attachments shall be identified and referenced in the text of the report. The report shall be prepared in the contractor's format and shall be legible and suitable for reproduction. Electronic submission is mandatory.

(3) Scope and Content. Costs incurred under this contract/task order are to be segregated at the lowest level of performance, either task, subtask or Technical Instruction (TI), rather than on a total task contract/order basis.

a) eCRAFT: Supporting documentation in eCRAFT shall include summaries of work charged during the period covered.

b) Contractor's Performance Report:

(i) Provide a front cover sheet that indicates the contractor's name and address, the contract number, the system or program nomenclature, the report date, the reporting period, the report title and a serial number for the report, the security classification, the name and address of the person who prepared the report, and the name of the issuing Government activity (Naval Undersea Warfare Center Division, Newport).

(ii) Report contract schedule status. Describe the progress made against milestones during the reporting period.

(iii) Report any significant changes to the contractor's organization or methods of operation, to the project management network, or to the milestone chart, including the addition/deletion of any subcontractors and key personnel

(iv) Report problem areas affecting technical, scheduling, or cost elements. Provide background and recommendations for solutions. Report results (positive or negative) obtained related to previously identified problem areas, with conclusions and recommendations.

(v) Report all trips and significant results. This shall be a full breakdown, including locations, names of the people who travelled, and costs.

(vi) Report all significant communications and any commitments made thereby. Include all non-contractual communications, such as technical instructions, e-mails, telephone conversations, etc.

(vii) Report Engineering Change Proposal (ECP) status. Identify all ECPs by status, i.e., proposed, approved and implemented.

(viii) Report plans for activities during the following reporting period.

(ix) Include appendices for any necessary tables, references, photographs, illustrations, charts, etc.

(4) Submission and Approval.

a) The contractor shall submit their reports on the same day and for the same timeframe the contractor submits an invoice into WAWF. The amounts shall be same. eCRAFT Approval will be indicated by e-mail notification from eCraft.

b) Distribution Statement. Distribution Statement B: Distribution to U.S. Government agencies only; Proprietary Information; (date data generated). Other requests for this document shall be referred to NUWC DIVNPT Code 59.

(d) The contractor shall not provide other funds, man-hour, or status reporting without the prior written approval of the contracting officer.

CONTRACT NO. N00178-04-D-4079	DELIVERY ORDER NO. N416	AMENDMENT/MODIFICATION NO. 30	PAGE 33 of 65	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

(a) Contractor personnel shall comply with all current badging and security procedures required to gain access to any Government site. Access to Naval Undersea Warfare Center Division, Newport sites may only be gained by obtaining a badge (either permanent or temporary) from the security office. Compliance with SECNAV M-5510.30, Section 9-20, FACILITY ACCESS DETERMINATION (FAD) PROGRAM is specifically required. Badges shall be issued only after completion of SF85P available at: <http://www.opm.gov/forms/index.asp>

Contractor personnel requiring a Common Access Card, access to controlled unclassified information (CUI) and/or user level access to DoN or DoD networks and information systems, system security and network defense systems, or to system resources providing visual access and/or ability to input, delete or otherwise manipulate sensitive information without control to identify and deny sensitive information, are required to have a favorably adjudicated NACLC.

The Contractor shall ensure that Contractor personnel employed on any Government site become familiar with and obey Activity regulations. Contractor personnel shall not enter restricted areas unless required to do so and until cleared for such entry. The Contractor shall request permission to interrupt any activity roads or utility services in writing a minimum of 15 calendar days prior to the date of interruption. Contractor personnel shall wear personal protective equipment in designated areas. All contractor equipment shall be conspicuously marked for identification.

The contractor shall strictly adhere to Federal Occupational Safety and Health Agency (OSHA) Regulations, Environmental Protection Agency (EPA) Regulations, and all applicable state and local requirements.

(b) The contractor shall ensure that each contractor employee reads the pamphlet entitled, "Occupational Safety and Health Information for Contractors" prior to commencing performance at any NUWC DIVNPT site. This document is available under "Contractor Info" at: <http://www.navsea.navy.mil/nuwc/newport/docs/Forms/AllItems.aspx>

(c) The contractor shall ensure that each contractor employee reads the document entitled, "NUWC Environmental Policy" prior to commencing performance at any NUWC DIVNPT site. This document is available at: http://www.navsea.navy.mil/nuwc/newport/docs/EMS_EnvPolicy1.pdf

(d) The contractor shall ensure that each contractor employee who is resident at any NUWC DIVNPT site completes ISO 14001 Awareness training within 30 days of commencing performance at that site. This training is available on the ISO 14001 webpage on the NUWC DIVNPT Intranet and is also available on the NUWC Division Newport Internet site. This document is available at: http://www.navsea.navy.mil/nuwc/newport/docs/External ISO14001_2009 Training.pdf

(e) The contractor shall remove from the Government site any individual whose presence is deemed by the Commander, NUWC DIVNPT, to be contrary to the public interest or inconsistent with the best interests of national security.

C26S INFORMATION ASSURANCE – UNCLASSIFIED DOD INFORMATION ON NON-DOD INFORMATION SYSTEMS (JUL 2010)

a. The Contractor shall ensure that unclassified DoD information it receives or produces in support of DoD activities is protected according to the information safeguards described in Attachment 2 to Directive-Type Memorandum (DTM) 08.027 – Security of Unclassified DoD Information on Non-DoD Information Systems, which is available at the following web address:

<http://www.dtic.mil/whs/directives/corres/pdf/DTM-08-027.pdf>

b. Upon request by the Government, the Contractor shall provide documentation demonstrating the safeguards the contractor has implemented to ensure the security of unclassified DoD Information.

CONTRACT NO. N00178-04-D-4079	DELIVERY ORDER NO. N416	AMENDMENT/MODIFICATION NO. 30	PAGE 34 of 65	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

c. Contractor personnel that have not been briefed on Attachment 2 to Directive-Type memorandum (DTM) 08-027 – Security of Unclassified DoD Information on Non-DoD Information Systems shall be denied access contractor systems that contain unclassified DoD information.

d. *Subcontracts.* If the Contractor issues any subcontracts in which the subcontractor will have access to unclassified DoD information, the Contractor shall include this clause.

**C57S EXCEPTION FROM ELECTRONIC AND INFORMATION TECHNOLOGY
ACCESSIBILITY
REQUIREMENTS (JUN 2001)**

(a) The Government has determined that this procurement is an exception to the Electronic and Information Technology (EIT) Accessibility Standards (36 C.F.R. § 1194).

(b) Notwithstanding that an exception exists, the Contractor may furnish items or services provided under this order that comply with the EIT Accessibility Standards (36 C.F.R. § 1194).

CONTRACT NO. N00178-04-D-4079	DELIVERY ORDER NO. N416	AMENDMENT/MODIFICATION NO. 30	PAGE 35 of 65	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

SECTION D PACKAGING AND MARKING

The following Clauses are incorporated by Full Text:

HQ D-1-0001 DATA PACKAGING LANGUAGE

Data to be delivered by Integrated Digital Environment (IDE) or other electronic media shall be as specified in the contract.

All unclassified data to be shipped shall be prepared for shipment in accordance with best commercial practice.

Classified reports, data, and documentation shall be prepared for shipment in accordance with National Industrial Security Program Operating Manual (NISPOM), DOD 5220.22-M dated 28 February 2006.

HQ D-1-0002 PACKAGING LANGUAGE (W/O MILITARY SPECIFICATIONS)

Item(s) 4000 The supplies furnished hereunder shall be packaged in accordance with best commercial practice.

HQ D-2-0004 IDENTIFICATION MARKING OF PARTS (NAVSEA) (NOV 1996)

Identification marking of individual parts within the systems, equipments, assemblies, subassemblies, components, groups, sets or kits, and of spare and repair parts shall be done in accordance with applicable specifications and drawings. To the extent identification marking of such parts is not specified in applicable specifications or drawings, such marking shall be accomplished in accordance with the following:

- (1) Parts shall be marked in accordance with generally accepted commercial practice.
- (2) In cases where parts are so small as not to permit identification marking as provided above, such parts shall be appropriately coded so as to permit ready identification.

HQ D-2-0006 MARKING AND PACKING LIST(S) (NAVSEA) (NOV 1996)

(a) Marking. Shipments, shipping containers and palletized unit loads shall be marked in accordance with best commercial practice.

(b) Packing List(s). A packing list (DD Form 250 Material Inspection and Receiving Report may be used) identifying the contents of each shipment, shipping container or palletized unit load shall be provided by the Contractor with each shipment. When a contract line item identified under a single stock number includes an assortment of related items such as kit or set components, detached parts or accessories, installation hardware or material, the packing list(s) shall identify the assorted items. Where assortment of related items is included in the shipping container, a packing list identifying the contents shall be furnished.

(c) Master Packing List. In addition to the requirements in paragraph (b) above, a master packing list shall be prepared where more than one shipment, shipping container or palletized unit load comprise the contract line item being shipped. The master packing list shall be attached to the number one container and so identified. (d) Part Identification. All items within the kit, set, installation hardware or material shall be suitably segregated and identified within the unit pack(s) or shipping container by part number and/or national stock number.

HQ D-2-0008 MARKING OF REPORTS (NAVSEA) (SEP 1990)

All reports delivered by the Contractor to the Government under this contract shall prominently show on the cover of the report:

- (1) name and business address of the Contractor

CONTRACT NO. N00178-04-D-4079	DELIVERY ORDER NO. N416	AMENDMENT/MODIFICATION NO. 30	PAGE 36 of 65	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

- (2) contract number
- (3) contract dollar amount
- (4) whether the contract was competitively or non-competitively awarded
- (5) sponsor:

(Name of Individual Sponsor)

(Name of Requiring Activity)

(City and State)

CONTRACT NO. N00178-04-D-4079	DELIVERY ORDER NO. N416	AMENDMENT/MODIFICATION NO. 30	PAGE 37 of 65	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

SECTION E INSPECTION AND ACCEPTANCE

The following Clauses are incorporated by Reference:

52.246-5 INSPECTION OF SERVICES – COST-REIMBURSEMENT (APR 1984)

252.246-7000 MATERIAL INSPECTION AND RECEIVING REPORT (MAR 2008)

The following Clauses are incorporated by Full Text:

HQ E-1-0001 INSPECTION AND ACCEPTANCE LANGUAGE FOR DATA

Inspection and acceptance of all data shall be as specified on the attached Contract Data Requirements List(s), DD Form 1423.

HQ E-1-0007 INSPECTION AND ACCEPTANCE LANGUAGE FOR LOE SERVICES

Item(s) 4000 - Inspection and acceptance shall be made by the Contracting Officer's Representative (COR) or a designated representative of the Government.

CONTRACT NO. N00178-04-D-4079	DELIVERY ORDER NO. N416	AMENDMENT/MODIFICATION NO. 30	PAGE 38 of 65	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

SECTION F DELIVERABLES OR PERFORMANCE

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

4100	11/9/2012 - 11/8/2013
4110	11/9/2013 - 11/8/2014
4120	11/9/2014 - 11/8/2015
4200	11/9/2012 - 11/8/2013
4210	11/9/2013 - 11/8/2014
4220	11/9/2014 - 11/8/2015
6100	11/9/2012 - 11/8/2013
6110	11/9/2013 - 11/8/2014
6120	11/9/2014 - 11/8/2015
6200	11/9/2012 - 11/8/2013
6210	11/9/2013 - 11/8/2014
6220	11/9/2014 - 11/8/2015

The following Clauses are incorporated by Reference:

52.247-34 -- F.O.B. – Destination

The following Clauses are incorporated by Full Text:

HQ F-2-0003 DATA DELIVERY LANGUAGE FOR SERVICES ONLY PROCUREMENTS

All data to be furnished under this contract shall be delivered prepaid to the destination(s) and at the time(s) specified on the Contract Data Requirements List(s), DD Form 1423.

HQ F-2-0004 DELIVERY LANGUAGE FOR F.O.B. DESTINATION

All supplies hereunder shall be delivered with all transportation charges prepaid, in accordance with the clause hereof entitled "F.O.B. DESTINATION" (FAR 52.247-34) in accordance with the Shipping Instruction Data, NAVSEA 4336/1, attached hereto.

The Contractor shall not ship directly to a military air or water port terminal without authorization by the cognizant Contract Administration Office.

Except when the Material Inspection and Receiving Report (MIRR) (DD 250) is used as an invoice, the Contractor shall enter unit prices on all MIRR copies. Contract line items shall be priced using actual prices, or if not available, estimated prices. When the price is estimated, an "E" shall be entered after the price.

All data to be furnished under this contract shall be delivered prepaid to destination(s) at the time(s) specified on the Contract Data Requirements List(s), DD Form 1423.

F1SX PERIOD OF PERFORMANCE (JUN 2010)

Services to be furnished hereunder shall be performed and completed as follows:

Option No.	CLIN	Fund Type	Period of Performance
------------	------	-----------	-----------------------

CONTRACT NO. N00178-04-D-4079	DELIVERY ORDER NO. N416	AMENDMENT/MODIFICATION NO. 30	PAGE 39 of 65	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

Base	4100 & 6100	OPN	11/9/12-11/8/13
2	4110 & 6110	OPN	11/9/13-11/8/14
4	4120 & 6120	OPN	11/9/14-11/8/15
1	4200 & 6200	OMN	11/9/12-11/8/13
3	4210 & 6210	OMN	11/9/13-11/8/14
5	4220 & 6220	OMN	11/9/14-11/8/15

* If option is exercised. NOTE: The option periods of performance are estimated and projected for planning purposes. However, if the option is not exercised prior to the beginning of the option's projected performance period as outlined in the schedule, upon receipt of funds, the contracting officer will modify the schedule. The option's performance timeframe shall be adjusted to correlate to the timeframe commensurate with the exercise of the option for a period not to exceed 12 months. The overall Period of Performance of this task order shall not exceed three (3) yrs from the effective date of the task order.

F30S PLACE OF PERFORMANCE (APR 2005)

Work will be performed at the Government's facility or other locations, as required by the statement of work.

CONTRACT NO. N00178-04-D-4079	DELIVERY ORDER NO. N416	AMENDMENT/MODIFICATION NO. 30	PAGE 40 of 65	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

SECTION G CONTRACT ADMINISTRATION DATA

The following Clauses are incorporated by Full Text:

252.204-0002 Line Item Specific: Sequential ACRN Order. (SEP 2009)

The payment office shall make payment in sequential ACRN order within the line item, exhausting all funds in the previous ACRN before paying from the next ACRN using the following sequential order: Alpha/Alpha; Alpha/numeric; numeric/alpha; and numeric/numeric.

HQ G-2-0007 INVOICE INSTRUCTIONS (NAVSEA) (APR 2011)

(a) In accordance with the clause of this contract entitled "ELECTRONIC SUBMISSION OF PAYMENT REQUESTS" (DFARS 252.232-7003), the Naval Sea Systems Command (NAVSEA) will utilize the DoD Wide Area Workflow Receipt and Acceptance (WAWF) system to accept supplies/services delivered under this contract. This web-based system located at <https://wawf.eb.mil> provides the technology for government contractors and authorized Department of Defense (DoD) personnel to generate, capture and process receipt and payment-related documentation in a paperless environment. Invoices for supplies/services rendered under this contract shall be submitted electronically through WAWF. Submission of hard copy DD250/invoices may no longer be accepted for payment.

((b) It is recommended that the person in your company designated as the Central Contractor Registration (CCR) Electronic Business (EB) Point of Contact and anyone responsible for the submission of invoices, use the online training system for WAWF at <http://wawftraining.com>. The Vendor, Group Administrator (GAM), and sections marked with an asterisk in the training system should be reviewed. Vendor documentation is available under Resources at <http://wawftraining.com>.

(c) The designated CCR EB point of contact is responsible for activating the company's CAGE code on WAWF by calling 1-866-618-5988. Once the company is activated, the CCR EB point of contact will self-register under the company's CAGE code on WAWF and follow the instructions for a group administrator. After the company is set-up on WAWF, any additional persons responsible for submitting invoices must self-register under the company's CAGE code at <https://wawf.eb.mil>.

(d) The contractor shall use the following document types, DODAAC codes and inspection and acceptance locations when submitting invoices in WAWF:

Type of Document(s) (*contracting officer check all that apply*)

<input type="checkbox"/>	Invoice (FFP Supply & Service)
<input type="checkbox"/>	Invoice and Receiving Report Combo (FFP Supply)
<input type="checkbox"/>	Invoice as 2-in-1 (FFP Service Only)
<input checked="" type="checkbox"/>	Cost Voucher (Cost Reimbursable, T&M , LH, or FPI)
<input type="checkbox"/>	Receiving Report (FFP, DD250 Only)

DODAAC Codes and Inspection and Acceptance Locations (*contracting officer complete appropriate information as applicable*)

Issue DODAAC	N66604
Admin DODAAC	S2404A
Pay Office DODAAC	HQ0338
Inspector DODAAC	LEAVE BLANK
Service Acceptor DODAAC	LEAVE BLANK
Service Approver DODAAC	N66604
Ship To DODAAC	N66604
DCAA Auditor DODAAC	HAA47B

CONTRACT NO. N00178-04-D-4079	DELIVERY ORDER NO. N416	AMENDMENT/MODIFICATION NO. 30	PAGE 41 of 65	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

Inspection Location	LEAVE BLANK
Acceptance Location	LEAVE BLANK

Attachments created in any Microsoft Office product may be attached to the WAWF invoice, e.g., backup documentation, timesheets, etc. Maximum limit for size of each file is 2 megabytes. Maximum limit for size of files per invoice is 5 megabytes.

(e) The Contractor agrees to segregate costs incurred under this task order at the lowest level of performance, either task or subtask, rather than on a total task order basis, and to submit invoices reflecting costs incurred at that level. Supporting documentation in WAWF for invoices shall include summaries of work charged during the period covered as well as overall cumulative summaries by individual labor categories, rates, and hours (both straight time and overtime) invoiced; as well as a cost breakdown of ODCs (materials and travel), by line item task or subtask. Subcontractors are also required to provide labor categories, rates, and hours (both straight time and overtime) invoiced; as well as, a cost breakdown of ODCs, materials, and travel invoiced. Supporting documentation may be encrypted before submission to the prime contractor for WAWF invoice submittal. Subcontractors may email encryption code information directly to the Contracting Officer and Contracting Officer Representative. Should the subcontractor lack encryption capability, the subcontractor may also email detailed supporting cost information directly to the Contracting Officer and Contracting Officer Representative; or other method as agreed to by the Contracting Officer.

(f) Before closing out of an invoice session in WAWF, but after submitting the document(s), you will be prompted to send additional email notifications. Click on "Send More Email Notification" and add the acceptor/receiver email addresses noted below in the first email address block, and add any other additional email addresses desired in the following blocks. This additional notification to the government is important to ensure that the acceptor/receiver is aware that the invoice documents have been submitted into WAWF.

[REDACTED]
[REDACTED]
[REDACTED]

(g) The contractor shall submit invoices/cost vouchers for payment per contract terms and the government shall process invoices/cost vouchers for payment per contract terms. Contractors approved by DCAA for direct billing will submit cost vouchers directly to DFAS via WAWF. Final voucher submission will be approved by the ACO.

(h) If you have any questions regarding WAWF, please contact the WAWF helpdesk at the above 1-866 number or the NUWCDIVNPT WAWF point of contact [REDACTED]. For payment status, log into WAWF, scroll to the bottom of the page, and click on the link for "Pay Status (myinvoice – External Link)". Call or e-mail [REDACTED] only if you cannot get the answer through the WAWF Website.

G10S CONTRACTUAL AUTHORITY AND COMMUNICATIONS (NOV 2012)

(a) Functions: The Procuring Contracting Officer (PCO) for this contract is identified on the basic contract. Only the PCO can change the basic contract, and the PCO maintains primacy over the contract and all its task orders. The Contracting Officer of this Task Order is a warranted Ordering Officer of the Naval Undersea Warfare Center Division Newport. The Government reserves the right to administratively transfer authority over this task order from the individual named below to another Contracting Officer at any time.

(b) Authority: The Contracting Officer is the only person authorized to approve changes in any of the requirements of this task order and, notwithstanding provisions contained elsewhere in this task order, the said authority remains solely the Contracting Officer's. The Contractor shall not comply with any order, direction or request of Government personnel - that would constitute a change - unless it is issued in writing and signed by the Contracting Officer. No order, statement, or conduct of

CONTRACT NO. N00178-04-D-4079	DELIVERY ORDER NO. N416	AMENDMENT/MODIFICATION NO. 30	PAGE 42 of 65	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

any Government personnel who visit the Contractor's facilities or in any other manner communicates with Contractor personnel during the performance of this task order shall constitute a change under the Changes clause of this task order and no adjustment will be made in the task order price to cover any increase in charges incurred as a result thereof. 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 Contracting Officer in writing. No action shall be taken by the contractor unless the Contracting Officer or basic contract PCO has issued a formal modification.

(c) The Contracting Officer is:

[REDACTED]

(d) The Task Order Negotiator is:

[REDACTED]

(e) Ombudsman for the Naval Undersea Warfare Center Division, Newport, RI, is:

[REDACTED]

(f) The Contracting Officer's Representative (COR) this task order is:

[REDACTED]

The COR is responsible for those specific functions assigned in the COR Appointment Letter.

(g) The Contractor's Senior Technical Representative is:

Contractors: Fill-in the information required below and submit it as an attachment to your proposal. The contractor's senior technical representative, point of contact for performance under this task order is:

G11S CONTRACT ADMINISTRATION FUNCTIONS (SERVICES) (MAR 2011)

(a) The cognizant Administrative Contracting Office for this task order is identified in Block 6 on page one of this task order.

(b) TASK ORDER ACO DELEGATED FUNCTIONS. The task order Administrative Contracting Officer (ACO) is delegated the following functions:

CONTRACT NO. N00178-04-D-4079	DELIVERY ORDER NO. N416	AMENDMENT/MODIFICATION NO. 30	PAGE 43 of 65	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

(1) All functions of FAR 42.302(a) except (3), (40), (44), (45), (46), (47), (51), (59), (62), (63), (64), and (70).

(2) The function of FAR 42.302(b)(6).

(c) If the task order ACO identifies a contract administration problem, the remedy for which is not covered by the above, the task order ACO shall request the Contracting Officer to delegate additional functions as necessary. The Contracting Officer may delegate authority by letter.

G14S CONTRACTOR'S SENIOR TECHNICAL REPRESENTATIVE (AUG 2005)

The contractor's senior technical representative, point of contact for performance under this contract is:

[REDACTED]

G40S Transportation Accounting Codes (TAC)

The following Transportation Accounting Codes (TAC) are applicable to this task order.

NZSC - Assigned to all shipments that have at least one (1) piece of 2F COG. This is also used for TB-37 shipments to NATSC.

NSDB - This is used for all other TB-37 shipments.

NSN material. If the shipment also includes piece parts, NZSC is still used. There must be 2F COG material included in the shipment.

NGAY - This is used for non-2F COG material (such as piece parts, PTATS, etc.) that has a final destination of the East Coast (including IMA Kings Bay).

NHBF - This is used for non-2F COG material that has a final destination of the West Coast (including Japan, Bayview, IMA Pearl Harbor and Guam).

CONTRACT NO. N00178-04-D-4079	DELIVERY ORDER NO. N416	AMENDMENT/MODIFICATION NO. 30	PAGE 44 of 65	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

CONTRACT NO. N00178-04-D-4079	DELIVERY ORDER NO. N416	AMENDMENT/MODIFICATION NO. 30	PAGE 45 of 65	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

Accounting Data

SLINID	PR Number	Amount
--------	-----------	--------

```

-----
410001 1300309517          900827.00
LLA :
AA 1721810 H2SA 252 SB401 0 050120 2D 000000 A00001444175
RCP: N0002412WX02211, ACRN: AA

```

```

610001 1300309517          100000.00
LLA :
AA 1721810 H2SA 252 SB401 0 050120 2D 000000 A00001444175
RCP: N0002412WX02211, ACRN: AA

```

BASE Funding 1000827.00
Cumulative Funding 1000827.00

MOD 01 Funding 0.00
Cumulative Funding 1000827.00

MOD 02 Funding 0.00
Cumulative Funding 1000827.00

MOD 03

```

420001 1300309547          248511.00
LLA :
AB 1731804 8D4D 252 SB401 0 050120 2D 000000 A00001444886
RCP: N0002413WX00822, ACRN AA

```

```

620001 1300309547          25000.00
LLA :
AB 1731804 8D4D 252 SB401 0 050120 2D 000000 A00001444886
RCP: N0002413WX00822, ACRN AA

```

MOD 03 Funding 273511.00
Cumulative Funding 1274338.00

MOD 04

```

420002 1300319700          653799.00
LLA :
AC 1731804 8D4D 252 SB401 0 050120 2D 000000 A00001520213
RCP: N0002413WX00822, ACRN: AA

```

```

620002 1300319700          64000.00
LLA :
AC 1731804 8D4D 252 SB401 0 050120 2D 000000 A00001520213
RCP: N0002413WX00822, ACRN: AA

```

MOD 04 Funding 717799.00
Cumulative Funding 1992137.00

MOD 05

```

410002 1300319480          1710000.00
LLA :
AD 1731810 H2SA 252 SB401 0 050120 2D 000000 A00001518320

```

CONTRACT NO. N00178-04-D-4079	DELIVERY ORDER NO. N416	AMENDMENT/MODIFICATION NO. 30	PAGE 46 of 65	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

RCP # N0002413WX03020; ACRN:AA

610002 1300319480 190000.00
 LLA :
 AD 1731810 H2SA 252 SB401 0 050120 2D 000000 A00001518320
 RCP # N0002413WX03020; ACRN:AA

MOD 05 Funding 1900000.00
 Cumulative Funding 3892137.00

MOD 06

420003 1300327306 520314.00
 LLA :
 AE 1731804 8D4D 252 SB401 0 050120 2D 000000 A00001564398
 RCP: N0002413WX00822, ACRN: AA

620003 1300327306 20000.00
 LLA :
 AE 1731804 8D4D 252 SB401 0 050120 2D 000000 A00001564398
 RCP: N0002413WX00822, ACRN: AA

MOD 06 Funding 540314.00
 Cumulative Funding 4432451.00

MOD 07

410003 1300312792 148514.00
 LLA :
 AF 97X4930 NH6A 252 77777 0 050120 2F 000000 A00001473343

410004 1300312792 85542.00
 LLA :
 AG 97X4930 NH6A 252 77777 0 050120 2F 000000 A10001473343

610003 1300312792 1229.88
 LLA :
 AF 97X4930 NH6A 252 77777 0 050120 2F 000000 A00001473343

610004 1300312792 9500.00
 LLA :
 AG 97X4930 NH6A 252 77777 0 050120 2F 000000 A10001473343

MOD 07 Funding 244785.88
 Cumulative Funding 4677236.88

MOD 08

420004 1300347801 169368.00
 LLA :
 AH 1731804 8D4D 252 SB401 0 050120 2D 000000 A00001709389
 RCP# N0002413WX00822; ACRN:AA

420005 1300347439 196075.00
 LLA :
 AJ 97X4930 NH6A 252 77777 0 050120 2F 000000 A00001709492

620004 1300347439 15000.00
 LLA :
 AJ 97X4930 NH6A 252 77777 0 050120 2F 000000 A00001709492

MOD 08 Funding 380443.00
 Cumulative Funding 5057679.88

MOD 09

420006 1300358597 149383.00
 LLA :

CONTRACT NO. N00178-04-D-4079	DELIVERY ORDER NO. N416	AMENDMENT/MODIFICATION NO. 30	PAGE 47 of 65	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

AK 1731804 8D4D 252 WS050 0 050120 2D 000000 A00001784750

420007 1300358598 193292.00

LLA :

AL 97X4930 NH6A 252 77777 0 050120 2F 000000 A00001784792

MOD 09 Funding 342675.00

Cumulative Funding 5400354.88

MOD 10

410005 1300355594 310438.59

LLA :

AM 1731810 H2SA 252 SB401 0 050120 2D 000000 A00001763353

RCP# N0002413WX03020

ACRN: AA

411001 1300372201 526958.00

LLA :

AN 1731810 H2SA 252 SB401 0 050120 2D 000000 A00001860420

RCP: N0002413WX03020

ACRN: AA

611001 1300372201 65100.00

LLA :

AN 1731810 H2SA 252 SB401 0 050120 2D 000000 A00001860420

RCP# N0002413WX03020

ACRN: AA

620005 1300355652 199524.00

LLA :

AP 1731804 8D4D 252 SB401 0 050120 2D 000000 A00001763871

RCP# N0002413WX08856

ACRN: AA

620006 1300355652 34644.00

LLA :

AQ 1731804 8D4D 252 SB401 0 050120 2D 000000 A10001763871

RCP# N0002413WX08858

ACRN: AA

MOD 10 Funding 1136664.59

Cumulative Funding 6537019.47

MOD 11

421001 1300386612 565000.00

LLA :

AR 1741804 8D4D 252 SB401 0 050120 2D 000000 A00001991508

RCP# N0002414WX00927; ACRN:AA

621001 1300386612 35000.00

LLA :

AR 1741804 8D4D 252 SB401 0 050120 2D 000000 A00001991508

RCP# N0002414WX00927; ACRN:AA

MOD 11 Funding 600000.00

Cumulative Funding 7137019.47

MOD 12

411002 130039239800001 756000.00

LLA :

AS 1741810 H2SA 252 SB401 0 050120 2D 000000 A00002041411

611002 130039239800002 150000.00

LLA :

AS 1741810 H2SA 252 SB401 0 050120 2D 000000 A00002041411

CONTRACT NO. N00178-04-D-4079	DELIVERY ORDER NO. N416	AMENDMENT/MODIFICATION NO. 30	PAGE 48 of 65	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

MOD 12 Funding 906000.00
Cumulative Funding 8043019.47

MOD 13

421002 130039303100001 120280.00
LLA :
AT 97X4930 NH6A 252 77777 0 050120 2F 000000 A00002046204

621002 130039303100002 7682.00
LLA :
AT 97X4930 NH6A 252 77777 0 050120 2F 000000 A00002046204

MOD 13 Funding 127962.00
Cumulative Funding 8170981.47

MOD 14 Funding 0.00
Cumulative Funding 8170981.47

MOD 15

421003 130040127700001 1080000.00
LLA :
AU 1741804 8D4D 252 SB401 0 050120 2D 000000 A00002105958
RCP: N0002414WX00927, ACRN: AA

621003 130040127700002 76398.00
LLA :
AU 1741804 8D4D 252 SB401 0 050120 2D 000000 A00002105958
RCP: N0002414WX00927, ACRN: AA

MOD 15 Funding 1156398.00
Cumulative Funding 9327379.47

MOD 16 Funding 0.00
Cumulative Funding 9327379.47

MOD 17

411003 130041053600001 1737147.56
LLA :
AV 1741810 H2SA 252 SB401 0 050120 2D 000000 A00002184190
RCP: N0002414WX02196
ACRN: AA

611003 130041053600002 112308.73
LLA :
AV 1741810 H2SA 252 SB401 0 050120 2D 000000 A00002184190
RCP: N0002414WX02196
ACRN: AA

MOD 17 Funding 1849456.29
Cumulative Funding 11176835.76

MOD 18

621004 130041868900001 172472.00
LLA :
AW 1741804 8D4D 252 SB401 0 050120 2D 000000 A00002242975
RCP: N0002414WX02128, ACRN: AA

621005 130041868900002 36019.00
LLA :
AX 1741804 8D4D 252 SB401 0 050120 2D 000000 A10002242975
RCP: N0002414WX04982, ACRN: AA

MOD 18 Funding 208491.00

CONTRACT NO. N00178-04-D-4079	DELIVERY ORDER NO. N416	AMENDMENT/MODIFICATION NO. 30	PAGE 49 of 65	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

Cumulative Funding 11385326.76

MOD 19

421004 130042849500001 274362.92
 LLA :
 AY 1741804 8D4D 252 WS050 0 050120 2D 000000 A00002314606
 RCP# N0002414WX01550; ACRN:AA

621006 130042849500002 50000.00
 LLA :
 AY 1741804 8D4D 252 WS050 0 050120 2D 000000 A00002314606
 RCP# N0002414WX01550; ACRN:AA

MOD 19 Funding 324362.92
 Cumulative Funding 11709689.68

MOD 20

412001 130042868600001 603500.00
 LLA :
 AZ 1741810 H2SA 252 SB401 0 050120 2D 000000 A00002315541
 RCP: N0002414WX02196, ACRN: AA

612001 130042868600002 67138.00
 LLA :
 AZ 1741810 H2SA 252 SB401 0 050120 2D 000000 A00002315541
 RCP: N0002414WX02196, ACRN: AA

MOD 20 Funding 670638.00
 Cumulative Funding 12380327.68

MOD 21

412002 130045873600003 900000.00
 LLA :
 BB 1751810 H2SA 251 SB401 0 050120 2D 000000 A10002554948
 RCP# N0002415WX00985; ACRN:AA

422001 130045800100003 390000.00
 LLA :
 BA 1751804 8D4D 257 SB401 0 050120 2D 000000 A10002544131
 RCP# N0002415WX00461; ACRN:AA

612002 130045873600004 100000.00
 LLA :
 BB 1751810 H2SA 251 SB401 0 050120 2D 000000 A10002554948
 RCP# N0002415WX00985; ACRN:AA

622001 130045800100004 42220.00
 LLA :
 BA 1751804 8D4D 257 SB401 0 050120 2D 000000 A10002544131
 RCP# N0002415WX00461; ACRN:AA

MOD 21 Funding 1432220.00
 Cumulative Funding 13812547.68

MOD 22

422002 130046378400001 78000.00
 LLA :
 BC 1751804 8D4D 257 SB401 0 050120 2D 000000 A00002607980
 RCP# N0002415WX02285; ACRN: AA

622002 130046378400002 8298.00
 LLA :
 BC 1751804 8D4D 257 SB401 0 050120 2D 000000 A00002607980
 RCP# N0002415WX02285; ACRN: AA

CONTRACT NO.	DELIVERY ORDER NO.	AMENDMENT/MODIFICATION NO.	PAGE	FINAL
N00178-04-D-4079	N416	30	50 of 65	

622003 130046390800001 248309.00
 LLA :
 BD 1751804 8D4D 257 SB401 0 050120 2D 000000 A00002609021
 RCP# N0002415WX02526; ACRN: AA

622004 130046390800002 37207.00
 LLA :
 BE 1751804 8D4D 257 SB401 0 050120 2D 000000 A10002609021
 RCP# N0002415WX02512; ACRN: AA

MOD 22 Funding 371814.00
 Cumulative Funding 14184361.68

MOD 23

422003 130046620000001 1158000.00
 LLA :
 BF 1751804 8D4D 257 SB401 0 050120 2D 000000 A00002627769
 RCP# N0002415WX02285; ACRN:AA

622005 130046620000002 92000.00
 LLA :
 BF 1751804 8D4D 257 SB401 0 050120 2D 000000 A00002627769
 RCP# N0002415WX02285; ACRN:AA

MOD 23 Funding 1250000.00
 Cumulative Funding 15434361.68

MOD 24

412003 130048335200001 1520936.84
 LLA :
 BG 1751810 H2SA 251 SB401 0 050120 2D 000000 A00002765051

612003 130048335200002 191368.82
 LLA :
 BG 1751810 H2SA 251 SB401 0 050120 2D 000000 A00002765051

MOD 24 Funding 1712305.66
 Cumulative Funding 17146667.34

MOD 25

422004 130048951700001 416825.42
 LLA :
 BH 1751804 8D4D 257 WS050 0 050120 2D 000000 A00002807351

622006 130048951700002 45874.57
 LLA :
 BH 1751804 8D4D 257 WS050 0 050120 2D 000000 A00002807351

MOD 25 Funding 462699.99
 Cumulative Funding 17609367.33

MOD 26

412004 130049962200001 39282.00
 LLA :
 BK 1751810 H2SA 251 SB401 0 050120 2D 000000 A00002882415
 RCP: N0002415WX00985 ACRN: AA

422005 130049962500001 402425.00
 LLA :
 BJ 1751804 8D4D 257 SB401 0 050120 2D 000000 A00002882417
 RCP: N0002415WX02285 ACRN: AA

MOD 26 Funding 441707.00

CONTRACT NO. N00178-04-D-4079	DELIVERY ORDER NO. N416	AMENDMENT/MODIFICATION NO. 30	PAGE 51 of 65	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

Cumulative Funding 18051074.33

MOD 27 Funding 0.00
Cumulative Funding 18051074.33

MOD 28 Funding 0.00
Cumulative Funding 18051074.33

MOD 29 Funding 0.00
Cumulative Funding 18051074.33

MOD 30

420005 130034743900001 (2963.99)
LLA :
AJ 97X4930 NH6A 252 77777 0 050120 2F 000000 A00001709492

610002 130031948000002 (7282.51)
LLA :
AD 1731810 H2SA 252 SB401 0 050120 2D 000000 A00001518320
RCP # N0002413WX03020; ACRN:AA

611003 130041053600002 (2178.81)
LLA :
AV 1741810 H2SA 252 SB401 0 050120 2D 000000 A00002184190
RCP: N0002414WX02196
ACRN: AA

620006 130035565200002 (1443.87)
LLA :
AQ 1731804 8D4D 252 SB401 0 050120 2D 000000 A10001763871
RCP# N0002413WX08858
ACRN: AA

622006 130048951700002 (9800.12)
LLA :
BH 1751804 8D4D 257 WS050 0 050120 2D 000000 A00002807351

MOD 30 Funding -23669.30
Cumulative Funding 18027405.03

CONTRACT NO. N00178-04-D-4079	DELIVERY ORDER NO. N416	AMENDMENT/MODIFICATION NO. 30	PAGE 52 of 65	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

SECTION H SPECIAL CONTRACT REQUIREMENTS

The following Clauses are incorporated by Full Text:

5252.216-9122 LEVEL OF EFFORT - ALTERNATE 1 (MAY 2010)

(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 [REDACTED] total man-hours of direct labor, including subcontractor direct labor for those subcontractors specifically identified in the Contractor's proposal as having hours included in the proposed level of effort.

(b) Of the total man-hours of direct labor set forth above, it is estimated that [REDACTED] 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 (i) 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 evenly over the period of performance. It is understood and agreed that the rate of man-hours per month may fluctuate in pursuit of the technical objective, provided such fluctuation does not result in the use of the total man-hours of effort prior to the expiration of the term hereof, except as provided in the following paragraph.

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

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

(g) 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.

(h) Within 45 days after completion of the work under each separately identified period of performance

CONTRACT NO. N00178-04-D-4079	DELIVERY ORDER NO. N416	AMENDMENT/MODIFICATION NO. 30	PAGE 53 of 65	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

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

(i) Unless the Contracting Officer determines that alternative worksite arrangements are detrimental to contract performance, the Contractor may perform up to 10% of the hours at an alternative worksite, provided the Contractor has a company-approved alternative worksite plan. The primary worksite is the traditional "main office" worksite. An alternative worksite means an employee's residence or a telecommuting center. A telecommuting center is a geographically convenient office setting as an alternative to an employee's main office. The Government reserves the right to review the Contractor's alternative worksite plan. In the event performance becomes unacceptable, the Contractor will be prohibited from counting the hours performed at the alternative worksite in fulfilling the total level of effort obligations of the contract. Regardless of work location, all contract terms and conditions, including security requirements and labor laws, remain in effect. The Government shall not incur any additional cost nor provide additional equipment for contract performance as a result of the Contractor's election to implement an alternative worksite plan.

(j) Notwithstanding any of the provisions in the above paragraphs and subject to the LIMITATION OF FUNDS or LIMITATION OF COST clauses, as applicable, the period of performance may be extended and the estimated cost may be increased in order to permit the Contractor to provide all of the man-hours listed in paragraph (a) above. The contractor shall continue to be paid fee for each man-hour performed in accordance with the terms of the contract.

*Only if all options are exercised.

5252.227-9113 GOVERNMENT-INDUSTRY DATA EXCHANGE PROGRAM (OCT 2006)

(a) The Contractor shall participate in the appropriate interchange of the Government-Industry Data Exchange Program (GIDEP) in accordance with NAVSEA S0300-BU-GYD-010 dated November 1994. Data entered is retained by the program and provided to qualified participants. Compliance with this requirement shall not relieve the Contractor from complying with any other requirement of the contract.

(b) The Contractor agrees to insert paragraph (a) of this requirement in any subcontract hereunder exceeding \$500,000.00. When so inserted, the word "Contractor" shall be changed to "Subcontractor".

(c) GIDEP materials, software and information are available without charge from:

GIDEP Operations Center
P.O. Box 8000
Corona, CA 92878-8000
Phone: (951) 898-3207
FAX: (951) 898-3250
Internet: <http://www.gidep.org>

5252.232-9104 ALLOTMENT OF FUNDS (JAN 2008)

(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

CONTRACT NO. N00178-04-D-4079	DELIVERY ORDER NO. N416	AMENDMENT/MODIFICATION NO. 30	PAGE 54 of 65	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

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:

	ALLOTTED TO	ALLOTTED TO	TOTAL AMOUNT	ESTIMATED PERIOD
ITEM	COST	FEE	ALLOTTED	OF PERFORMANCE
410001	[REDACTED]	[REDACTED]	\$900,827.00	11/8/13
610001	[REDACTED]	[REDACTED]	\$100,000.00	11/8/13
420001	[REDACTED]	[REDACTED]	\$248,511.00	11/8/13
620001	[REDACTED]	[REDACTED]	\$25,000.00	11/8/13
420002	[REDACTED]	[REDACTED]	\$653,799.00	11/8/13
620002	[REDACTED]	[REDACTED]	\$64,000.00	11/8/13
410002	[REDACTED]	[REDACTED]	\$1,710,000.00	11/8/13
610002	[REDACTED]	[REDACTED]	[REDACTED]	11/8/13
420003	[REDACTED]	[REDACTED]	\$520,314.00	11/8/13
620003	[REDACTED]	[REDACTED]	\$20,000.00	11/8/13
410003	[REDACTED]	[REDACTED]	\$148,514.00	11/8/13
410004	[REDACTED]	[REDACTED]	\$85,542.00	11/8/13
610003	[REDACTED]	[REDACTED]	\$1,229.88	11/8/13
610004	[REDACTED]	[REDACTED]	\$9,500	11/8/13
420004	[REDACTED]	[REDACTED]	\$169,368.00	11/8/13
420005	[REDACTED]	[REDACTED]	[REDACTED]	11/8/13
620004	[REDACTED]	[REDACTED]	\$15,000.00	11/8/13
420006	[REDACTED]	[REDACTED]	\$149,383.00	11/8/13
420007	[REDACTED]	[REDACTED]	\$193,292.00	11/8/13
410005	[REDACTED]	[REDACTED]	\$310,438.59	Mod10-11/8/13
411001	[REDACTED]	[REDACTED]	\$526,958.00	11/9/13 - 11/8/14
611001	[REDACTED]	[REDACTED]	\$65,100.00	11/9/13 - 11/8/14
620005	[REDACTED]	[REDACTED]	\$199,524.00	Mod10-11/8/13
620006	[REDACTED]	[REDACTED]	[REDACTED]	Mod10-11/8/13
421001	[REDACTED]	[REDACTED]	\$565,000.00	11/9/13-11/8/14
621001	[REDACTED]	[REDACTED]	\$35,000.00	11/9/13-11/8/14
411002	[REDACTED]	[REDACTED]	\$756,000.00	11/9/13-11/8/14
611002	[REDACTED]	[REDACTED]	\$150,000.00	11/9/13-11/8/14
421002	[REDACTED]	[REDACTED]	\$120,280	11/8/14
621002	[REDACTED]	[REDACTED]	\$7,682	11/8/14
421003	[REDACTED]	[REDACTED]	\$1,080,000.00	11/8/14
621003	[REDACTED]	[REDACTED]	\$76,398.00	11/8/14
411003	[REDACTED]	[REDACTED]	\$1,737,147.56	11/8/14
611003	[REDACTED]	[REDACTED]	[REDACTED]	11/8/14
621004	[REDACTED]	[REDACTED]	\$172,472.00	11/8/14

CONTRACT NO. N00178-04-D-4079	DELIVERY ORDER NO. N416	AMENDMENT/MODIFICATION NO. 30	PAGE 55 of 65	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

621005	[REDACTED]	[REDACTED]	\$36,019.00	11/8/14
421004	[REDACTED]	[REDACTED]	\$274,362.92	DOA - 11/8/14
621006	[REDACTED]	[REDACTED]	\$50,000.00	DOA - 11/8/14
412001	[REDACTED]	[REDACTED]	\$603,500	11/8/15
612001	[REDACTED]	[REDACTED]	\$67,138.00	11/8/15
412002	[REDACTED]	[REDACTED]	\$900,000.00	11/9/14 - 11/8/15
422001	[REDACTED]	[REDACTED]	\$390,000.00	11/9/14 - 11/8/15
612002	[REDACTED]	[REDACTED]	\$100,000.00	11/9/14 - 11/8/15
622001	[REDACTED]	[REDACTED]	\$42,220.00	11/9/14 - 11/8/15
422002	[REDACTED]	[REDACTED]	\$78,000.00	Date of Mod 22 Award - 11/8/15
622002	[REDACTED]	[REDACTED]	\$8,298.00	Date of Mod 22 Award - 11/8/15
622003	[REDACTED]	[REDACTED]	\$248,309.00	Date of Mod 22 Award - 11/8/15
622004	[REDACTED]	[REDACTED]	\$37,207.00	Date of Mod 22 Award - 11/8/15
422003	[REDACTED]	[REDACTED]	\$1,158,000.00	Date of Mod 23 Award - 11/8/15
622005	[REDACTED]	[REDACTED]	\$92,000.00	Date of Mod 23 Award - 11/8/15
412003	[REDACTED]	[REDACTED]	\$1,520,936.84	Date of Mod 24 Award -11/8/15
612003	[REDACTED]	[REDACTED]	\$191,368.82	Date of Mod 24 Award-11/8/15
422004	[REDACTED]	[REDACTED]	\$416,825.42	Date of Modification 25 Award - 11/08/15
622006	[REDACTED]	[REDACTED]	[REDACTED]	11/08/15
412004	[REDACTED]	[REDACTED]	\$39,282.00	Date of Mod 26 Award - 11/8/15
422005	[REDACTED]	[REDACTED]	\$402,425.00	Date of Mod 26 Award - 11/8/15

(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 (TBD) 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).

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

CONTRACT NO. N00178-04-D-4079	DELIVERY ORDER NO. N416	AMENDMENT/MODIFICATION NO. 30	PAGE 56 of 65	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

- (a) The Contractor agrees that a partial basis for award of this contract is the list of key personnel proposed. Accordingly, the Contractor agrees to assign to this contract those key persons whose resumes were submitted with the proposal necessary to fulfill the requirements of the contract. No substitution shall be made without prior notification to and concurrence of the Contracting Officer in accordance with this requirement.
- (b) All proposed substitutes shall have qualifications equal to or higher than the qualifications of the person to be replaced. The Contracting Officer shall be notified in writing of any proposed substitution at least forty-five (45) days, or ninety (90) days if a security clearance is to be obtained, in advance of the proposed substitution. Such notification shall include: (1) an explanation of the circumstances necessitating the substitution; (2) a complete resume of the proposed substitute; and (3) any other information requested by the Contracting Officer to enable him/her to judge whether or not the Contractor is maintaining the same high quality of personnel that provided the partial basis for award.

5252.245-9108 GOVERNMENT-FURNISHED PROPERTY (PERFORMANCE)(SEP 1990)

The Government will provide only that property set forth in Attachment #2, notwithstanding any term or condition of this contract to the contrary. Upon Contractor's written request to the cognizant Technical Program Manager, via the cognizant Contract Administration Office, the Government will furnish the items listed in Attachment #2 for use in the performance of this contract.

5252.242-9115 TECHNICAL INSTRUCTIONS (APR 1999)

- (a) Performance of the work hereunder may be subject to written technical instructions signed by the Contracting Officer's Representative specified in Section G of this contract. As used herein, technical instructions are defined to include the following:
- (1) Directions to the Contractor which suggest pursuit of certain lines of inquiry, shift work emphasis, fill in details or otherwise serve to accomplish the contractual statement of work.
 - (2) Guidelines to the Contractor which assist in the interpretation of drawings, specifications or technical portions of work description.
- (b) Technical instructions must be within the general scope of work stated in the contract. Technical instructions may not be used to: (1) assign additional work under the contract; (2) direct a change as defined in the "CHANGES" clause of this contract; (3) increase or decrease the contract price or estimated contract amount (including fee), as applicable, the level of effort, or the time required for contract performance; or (4) change any of the terms, conditions or specifications of the contract.
- (c) If, in the opinion of the Contractor, any technical instruction calls for effort outside the scope of the contract or is inconsistent with this requirement, the Contractor shall notify the Contracting Officer in writing within ten (10) working days after the receipt of any such instruction. The Contractor shall not proceed with the work affected by the technical instruction unless and until the Contractor is notified by the Contracting Officer that the technical instruction is within the scope of this contract.
- (d) Nothing in the foregoing paragraph shall be construed to excuse the Contractor from performing that portion of the contractual work statement which is not affected by the disputed technical instruction.

H24S PROHIBITION ON TELECOMMUNICATIONS (OCT 2006)

The contractor is expressly prohibited from purchasing any telecommunication devices (i.e. satellite telephones, cell phones, pagers, blackberry, two way radios, walkie-talkies, etc. or any associated accessories) without the written approval of the contracting officer on an item by item basis.

H81X TRAVEL RESPONSIBILITIES (OCT 2011)

There may be situations where contractor employees and government employees travel together in government vehicles, or in vehicles rented by the government under the terms of the U.S. Car Rental Agreement (currently available at (<http://www.defensetravel.dod.mil/Docs/CarRentalAgreement.pdf>) the government has with various rental car companies. In such situations, contractor employees may only be passengers (not drivers) in such vehicles. If a contractor employee is a passenger in a government vehicle or a vehicle rented by the government,

CONTRACT NO. N00178-04-D-4079	DELIVERY ORDER NO. N416	AMENDMENT/MODIFICATION NO. 30	PAGE 57 of 65	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

it would be on a "no additional cost to the government" basis. If a contractor employee is a passenger in a government vehicle, the contractor shall indemnify and hold the government harmless from all liability resulting from personal injury or death or damage to property which may occur as a result of such joint travel. When a contractor is a passenger in a vehicle rented by the government, liability would be limited to the terms set out in the U.S. Car Rental Agreement in effect at the time of any incident.

H83S SERVICE CONTRACT ACT WAGE DETERMINATION (AUG 2008)

The applicable Service Contract Act Wage Determinations by the Secretary of Labor are provided below (identified to the current Revision available as of the issue date of this solicitation):

Wage Determination #:	Revision: Area:
WD 05-2115 Revision: 14,	Area: Georgia, County of Camden
2005-3023 Revision: 15,	Area: Connecticut, County of New London
2005-2543 Revision: 16,	Area: Virginia, Norfolk
2005-2057 Revision: 15,	Area: San Diego, California
2005-2559 Revision: 17,	Area: Washington, Counties of Clallam, Grays Harbor, Jefferson, Kitsap, Mason
2005-2153 Revision: 18,	Area: Hawaii, Statewide
2005-2147 Revision: 16,	Area: Guam Statewide, Northern Marianas
2005-2113 Revision: 15,	Area: Leesburg, FL, Lake
2005-2117 Revision: 15,	Area: Cocoa Beach, FL, Brevard
2005-2111 Revision: 15,	Area: Port Everglades, FL, Broward
2005-2241 Revision: 15,	Area: Kittery Maine, Statewide
2005-2449 Revision: 14,	Area: Philadelphia, PA
2005-2159 Revision: 15,	Area: Lake Pend Oreille, ID, Statewide

The above Wage Determinations (WD) can be accessed from the following website:

<http://www.wdol.gov/>

Choose "Selecting WDs" from the menu. After choosing the appropriate area, answer the "prompts" as follows (these answers are applicable to this solicitation):

1. Were these services previously performed at this locality under an SCA-Covered contract? **Yes**
2. Are any of the employees performing work subject to a CBA? **No**
3. Are the contract services to be performed listed below as Non-Standard Services? **No**
4. Were these services previously performed under an SCA wage determination that ends in an even number? **No**

The site will provide the appropriate WD.

CONTRACT NO. N00178-04-D-4079	DELIVERY ORDER NO. N416	AMENDMENT/MODIFICATION NO. 30	PAGE 58 of 65	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

SECTION I CONTRACT CLAUSES

The following clauses are incorporated by reference in this task order; however applicable clauses incorporated by reference in the basic MAC contract also apply:

a. FAR:

- 52.204-2 -- Security Requirements (Aug. 1996)
- 52.204-7 CENTRAL CONTRACTOR REGISTRATION (APR 2008)
- 52.204-9 Personal Identity Verification of Contractor Personnel (Sep 2007)
- 52.204-10 Reporting Executive Compensation and First-Tier Subcontract Awards (Jul 2010)
- 52.215-23 LIMITATIONS ON PASS-THROUGH CHARGES (OCT 2009)
- 52.222-3 Convict Labor (June 2003)
- 52.222-40 Notification of Employee Rights Under the National Labor Relations Act (DEC 2010)
- 52.222-41 Service Contract Act of 1965 (NOV 2007)
- 52.222-49 Service Contract Act -- Place of Performance Unknown (MAY 1989)
- para. (a) fill-in: 2 p.m., January 31, 2011
- 52.222-54 Employment Eligibility Verification (Jan 2009)
- 52.223-3 Hazardous Material Identification and Material Safety Data (Jan 1997)
- 52.223-12 Refrigeration Equipment and Air Conditioners (May 1995)
- 52.227-1 AUTHORIZATION AND CONSENT (DEC 2007)
- 52.227-2 NOTICE AND ASSISTANCE REGARDING PATENT AND COPYRIGHT INFRINGEMENT (DEC 2007)
- 52.227-3 PATENT INDEMNITY (APR 1984)
- 52.227-10 Filing of Patent Applications- Classified Subject Matter (DEC 2007)
- 52.237-2 Protection of Government Buildings, Equipment, and Vegetation (APR 1984)
- 52.244-2 SUBCONTRACTS (OCT 2010)
- (d) If the Contractor has an approved purchasing system, the Contractor nevertheless shall obtain the Contracting Officer's written consent before placing the following subcontracts: Any new additional subcontracts not approved in the original task order award.
- (j) Paragraphs (c) and (e) of this clause do not apply to the following subcontracts, which were evaluated during negotiations:
 - 52.244-6 Subcontracts for Commercial Items (DEC 2010)
 - 52.245-1 Government Property (AUG 2010)52.245-9 Use and Charges (AUG 2010)
 - 52.245-9 USE AND CHARGES (AUGUST 2010)
 - 52.246-23 Limitation of Liability (Feb 1997)
 - 52.246-24 Limitation of Liability -- High-Value Items (Feb 1997)
 - 52.246-25 Limitation of Liability- Services (FEB 1997)
 - 52.247-1 Commercial Bill of Lading Notations (FEB 2006)
 - para.(a) fill-in: Naval Undersea Warfare Center Division Newport (U.S. Navy)
 - para.(b) fill-in: Naval Undersea Warfare Center Division Newport (U.S. Navy)
 - para.(b) fill-in: ACO (DCMA office) designated on page 1 of the order
 - 52.247-63 PREFERENCE FOR U.S.-FLAG AIR CARRIERS (JUN 2003)
 - 52.247-67 SUBMISSION OF TRANSPORTATION DOCUMENTS FOR AUDIT (FEB 2006)
 - 52.251-1 GOVERNMENT SUPPLY SOURCES (AUG 2010)

b. DFARs:

- 252.204-7005 ORAL ATTESTATION OF SECURITY RESPONSIBILITIES (NOV 2001)
- 252.211-7008 USE OF GOVERNMENT-ASSIGNED SERIAL NUMBERS (SEP 2010)
- 252.222-7006 Restrictions on the Use of Mandatory Arbitration Agreements (DEC 2010)
- 252.223-7006 PROHIBITION ON STORAGE AND DISPOSAL OF TOXIC AND HAZARDOUS MATERIALS (APR 1993)
- 252.225-7007 PROHIBITION ON ACQUISITION OF UNITED STATES MUNITIONS LIST ITEMS FROM COMMUNIST CHINESE MILITARY COMPANIES (SEP 2006)
- 252.225-7013 DUTY-FREE ENTRY (DEC 2009)
- 252.225-7015 RESTRICTION ON ACQUISITION OF HAND OR MEASURING TOOLS (JUN 2005)
- 252.225-7016 RESTRICTION ON ACQUISITION OF BALL AND ROLLER BEARINGS (MAR 2006)
- 252.225-7018 NOTICE OF PROHIBITION OF CERTAIN CONTRACTS WITH FOREIGN ENTITIES FOR THE CONDUCT OF BALLISTIC MISSILE DEFENSE RESEARCH, DEVELOPMENT, TEST, AND EVALUATION (DEC 2010)
- 252.225-7019 RESTRICTION ON ACQUISITION OF ANCHOR AND MOORING CHAIN (DEC 2009)

CONTRACT NO. N00178-04-D-4079	DELIVERY ORDER NO. N416	AMENDMENT/MODIFICATION NO. 30	PAGE 59 of 65	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

252.225-7025 RESTRICTION ON ACQUISITION OF FORGINGS (DEC 2009)
252.225-7030 RESTRICTION ON ACQUISITION OF CARBON, ALLOY, AND ARMOR STEEL PLATE (DEC 2006)
252.225-7043 ANTITERRORISM/FORCE PROTECTION POLICY FOR DEFENSE CONTRACTORS OUTSIDE THE UNITED STATES(MAR 2006)
para.(c) fill-in: Naval Criminal Investigative Service (NCIS), Code 21; telephone, DSN 288- 9077 or commercial (202) 433-9077
252.227-7013 Rights in Technical Data -- Noncommercial Items (Nov 1995)
252.227-7016 Rights in Bid or Proposal Information (Jun 1995)
252.227-7017 IDENTIFICATION AND ASSERTION OF USE, RELEASE, OR DISCLOSURE
252.227-7025 Limitations on the Use or Disclosure of Government-Furnished Information Marked with Restrictive Legends (Jun 1995)
252.227-7038 PATENT RIGHTS—OWNERSHIP BY THE CONTRACTOR (DEC 2007)(LARGE BUSINESS)
252.227-7039 PATENTS - REPORTING OF SUBJECT INVENTIONS (APR 1990)
252.231-7000 SUPPLEMENTAL COST PRINCIPLES (DEC 1991)
252.239-7000 PROTECTION AGAINST COMPROMISING EMANATIONS (JUN 2004)
252.239-7001 INFORMATION ASSURANCE CONTRACTOR TRAINING AND CERTIFICATION (JAN 2008)
252.242-7004 MATERIAL MANAGEMENT AND ACCOUNTING SYSTEM (DEC 2000)
252.245-7001 TAGGING, LABELING, AND MARKING OF GOVERNMENT-FURNISHED PROPERTY (FEB 2011)
252.246-7000 MATERIAL INSPECTION AND RECEIVING REPORT (MAR 2008)
252.249-7002 NOTIFICATION OF ANTICIPATED CONTRACT TERMINATION OR REDUCTION (OCT 2010)
252.251-7000 ORDERING FROM GOVERNMENT SUPPLY SOURCES (NOV 2004)

The following Clauses are incorporated by Full Text:

52.209-9 Updates of Publicly Available Information Regarding Responsibility Matters (Jan 2011)

- (a) The Contractor shall update the information in the Federal Awardee Performance and Integrity Information System (FAPIS) on a semi-annual basis, throughout the life of the contract, by posting the required information in the Central Contractor Registration database at <http://www.ccr.gov> .
- (b)(1) The Contractor will receive notification when the Government posts new information to the Contractor's record.
- (2) The Contractor will have an opportunity to post comments regarding information that has been posted by the Government. The comments will be retained as long as the associated information is retained, *i.e.*, for a total period of 6 years. Contractor comments will remain a part of the record unless the Contractor revises them.
- (3) (i) Public requests for system information posted prior to April 15, 2011, will be handled under Freedom of Information Act procedures, including, where appropriate, procedures promulgated under E.O. 12600.
(ii) As required by section 3010 of Public Law 111-212, all information posted in FAPIS on or after April 15, 2011, except past performance reviews, will be publicly available.

FAR 52.217-9 OPTION TO EXTEND THE TERM OF THE CONTRACT (MAR) (NAVSEA VARIATION) (MAR 2000)

(a) The Government may extend the term of this contract by written notice(s) to the Contractor within the periods specified below. If more than one option exists the Government has the right to unilaterally exercise any such option whether or not it has exercised other options.

Option No.	CLIN	Fund Type	Exercise Date – No Later Than
2	4110 & 6110	OPN	10-FEB-14
4	4120 & 6120	OPN	10-FEB-15
1	4200 & 6200	OMN	10-FEB-13
3	4210 & 6210	OMN	10-FEB-14

CONTRACT NO. N00178-04-D-4079	DELIVERY ORDER NO. N416	AMENDMENT/MODIFICATION NO. 30	PAGE 60 of 65	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

5	4220 & 6220	OMN	10-FEB-15
---	----------------	-----	-----------

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

(c) The total duration of this contract, including the exercise of any option(s) under this clause, shall not exceed five (5) years, however, in accordance with paragraph (g) of the requirement of this contract entitled "LEVEL OF EFFORT" (NAVSEA 5252.216-9122), if the total manhours delineated in paragraph (a) of the LEVEL OF EFFORT requirement, have not been expended within the period specified above, the Government may require the Contractor to continue to perform the work until the total number of manhours specified in paragraph (a) of the aforementioned requirement have been expended.

52.222-42 STATEMENT OF EQUIVALENT RATES FOR FEDERAL HIRES (MAY 1989)

In compliance with the Service Contract Act of 1965, as amended, and the regulations of the Secretary of Labor (29 CFR Part 4), this clause identifies the classes of service employees expected to be employed under the contract and states the wages and fringe benefits payable to each if they were employed by the contracting agency subject to the provisions of 5 U.S.C. 5341 or 5332.

THIS STATEMENT IS FOR INFORMATION ONLY: IT IS NOT A WAGE DETERMINATION.

Employee Class Monetary Wage - Fringe Benefits

(End of Clause)

NOTE TO CONTRACTORS: EMPLOYEE CLASSES AND EQUIVALENT GOVERNMENT RATES CAN BE FOUND AT THE FOLLOWING DEPARTMENT OF LABOR AND OFFICE OF PERSONNEL MANAGEMENT WEBSITES -

EMPLOYEE CLASSES (DIRECTORY OF OCCUPATIONS):

<http://www.dol.gov/whd/regs/compliance/wage/SCADirV5/SCADirectVers5.pdf>

GOVERNMENT EQUIVALENT GS LEVELS:

<http://www.dol.gov/whd/regs/compliance/wage/SCADirV5/Vers5SCAIndex.pdf>

and

OFFICE OF PERSONNEL MANAGEMENT:

<http://www.opm.gov/OCA/10tables/index.asp>

52.223-11 Ozone-Depleting Substances (May 2001)

(a) *Definition.* "Ozone-depleting substance," as used in this clause, means any substance the Environmental Protection Agency designates in 40 CFR Part 82 as-- (1) Class I, including, but not limited to, chlorofluorocarbons, halons, carbon tetrachloride, and methyl chloroform; or

(2) Class II, including, but not limited to hydrochlorofluorocarbons.

(b) The Contractor shall label products which contain or are manufactured with ozone-depleting substances in the manner and to the extent required by 42 U.S.C. 7671j (b), (c), and (d) and 40 CFR Part 82, Subpart E, as follows:

Warning

Contains (or manufactured with, if applicable) * _____, a substance(s) which harm(s) public health and environment by destroying ozone in the upper atmosphere.

* The Contractor shall insert the name of the substance(s).

CONTRACT NO. N00178-04-D-4079	DELIVERY ORDER NO. N416	AMENDMENT/MODIFICATION NO. 30	PAGE 61 of 65	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

252.211-7003 Item Identification and Valuation (AUG 2008)

(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.
- (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 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 http://www.acq.osd.mil/dau/uid/iuid_equivalents.html.

“DoD unique item identification” means a system of marking items delivered to DoD with unique item identifiers that include 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 the 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, GS1 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

CONTRACT NO. N00178-04-D-4079	DELIVERY ORDER NO. N416	AMENDMENT/MODIFICATION NO. 30	PAGE 62 of 65	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

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 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 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. The identifier includes a concatenated unique item identifier or a DoD recognized unique identification equivalent.

“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/pdi/uid/uii_types.htm

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

(c) *Unique item identifier.*

(1) The Contractor shall provide a unique item identifier for the following:

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

(iii) Subassemblies, components, and parts embedded within delivered items as specified in Attachment 1.

(2) The unique item identifier and the component data elements of the DoD unique item identification shall not change for the life of the item.

(3) *Data syntax and semantics of unique item identifiers.* The Contractor shall ensure that—

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

(A) Application Identifiers (AIs) (Format Indicator 05 of ISO/IEC International Standard 15434), Information Technology – EAN/UCC Application Identifiers Maintenance and ANSI MH 10.8.2 Data Identifier and Application Identifier Standard.

(B) Data Identifiers (DIs) (Format Indicator 06 of ISO/IEC International Standard 15434), Information Technology – EAN/UCC Application Identifiers Maintenance and ANSI MH 10.8.2 Data Identifier and Application Identifier Standard.

(C) Text Element Identifiers (TEIs) (Format Indicator 12 of ISO/IEC International Standard 15434), Information Technology – EAN/UCC Application Identifiers Maintenance and ANSI MH 10.8.2 Data Identifier and Application Identifier Standard; and Air Transport Association Common Support Data Dictionary; and

(ii) The encoded data elements of the unique item identifier conform to the transfer structure, syntax, and data formats specified for Format Indicators 05, 06, and 12 in ISO/IEC International Standard 15434, Information Technology – Transfer Syntax for High Capacity Automatic Data Capture Media.

CONTRACT NO. N00178-04-D-4079	DELIVERY ORDER NO. N416	AMENDMENT/MODIFICATION NO. 30	PAGE 63 of 65	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

(4) *Unique item identifier.*

(i) The Contractor shall—

(A) Determine whether to—

- (1) Serialize within the enterprise identifier;
- (2) Serialize within the part, lot, or batch number; or
- (3) Use a DoD recognized unique identification equivalent; and

(B) Place the data elements of the unique item identifier (enterprise identifier; serial number; identification equivalent; and for serialization within the part, lot, or batch number only: or on items requiring marking by paragraph (c)(1) of this clause, based on the criteria provided in 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) Unique item identifier.
- (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 (if there is serialization within the original part number).
- (6) Lot or batch number (if there is serialization within the lot or batch number).
- (7) Current part number (optional and only if not the same as the original part number).
- (8) Current part number effective date (optional and only if current part number is used).
- (9) Serial number (if concatenated unique item identifier is used).
- (10) Government's unit acquisition cost.
- (11) Unit of measure.

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

- (1) Unique item identifier of the parent item under paragraph (c)(1) of this clause that contains the embedded subassembly, component, or part.
- (2) Unique item identifier 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 (if there is serialization within the original part number).**

CONTRACT NO. N00178-04-D-4079	DELIVERY ORDER NO. N416	AMENDMENT/MODIFICATION NO. 30	PAGE 64 of 65	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

- (7) Lot or batch number (if there is serialization within the lot or batch number).**
- (8) Current part number (optional and only if not the same as the original part number).**
- (9) Current part number effective date (optional and only if current part number is used).**
- (10) Serial number (if concatenated unique item identifier is used).**
- (11) 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/pdi/uid/data_submission_information.html.

(g) *Subcontracts*. If the Contractor acquires by subcontract, any item(s) for which unique item identification is required in accordance with paragraph (c)(1) of this clause, the Contractor shall include this clause, including this paragraph (g), in the applicable subcontract(s).

CONTRACT NO. N00178-04-D-4079	DELIVERY ORDER NO. N416	AMENDMENT/MODIFICATION NO. 30	PAGE 65 of 65	FINAL
----------------------------------	----------------------------	----------------------------------	------------------	-------

SECTION J LIST OF ATTACHMENTS

CDRLS

DD254 Revision No. 4 dated 13 October 2015

DD254 ATTACHMENT

GFP LIST

NAVSEA FORM 4336-01

GFP List Addendum #1

Quality Assurance Surveillance Plan (QASP)