

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT1. CONTRACT ID CODE
UPAGE OF PAGES
1 22. AMENDMENT/MODIFICATION NO.
223. EFFECTIVE DATE
23-Feb-20184. REQUISITION/PURCHASE REQ. NO.
13006935195. PROJECT NO. (If applicable)
N/A

6. ISSUED BY CODE

N66604

7. ADMINISTERED BY (If other than Item 6)

CODE

S0701A

NUWC, NEWPORT DIVISION
1176 Howell Street, Building 1258
Newport RI 02841-1708

DCMA HARTFORD
130 DARLIN STREET
EAST HARTFORD CT 06108-3234

SCD: C

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

SCIENCE APPLICATIONS INTERNATIONAL CORP
12010 Sunset Hills Road
Reston VA 20190

9A. AMENDMENT OF SOLICITATION NO.

9B. DATED (SEE ITEM 11)

[X]

10A. MODIFICATION OF CONTRACT/ORDER NO.

N00178-04-D-4119-N434

10B. DATED (SEE ITEM 13)

08-May-2015

CAGE CODE
6XWA8

FACILITY CODE

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

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

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning one (1) copy of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

SEE SECTION G

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

(*) A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.

[] B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).

[] C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:

[X] D. OTHER (Specify type of modification and authority)
Bilateral; FAR 43.103(a) and FAR 52.232-22, 'Limitation of funds'

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)

23-Feb-2018

BY (Signature of Contracting Officer)

23-Feb-2018

NSN 7540-01-152-8070

30-105

STANDARD FORM 30 (Rev. 10-83)

PREVIOUS EDITION UNUSABLE

Prescribed by GSA
FAR (48 CFR) 53.243

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GENERAL INFORMATION

GENERAL INFORMATION

Distribution: KR, 0121, DFAS-HQ0337, 85/H. Lopez, 8534/J. McCauley

SCD: C

NUWCDIVNPT Control #: 181322

NUWCDIVNPT Requisition #s: 1300693519

NUWCDIVNPT POC: Mary Navarro

The purpose of this modification is to:

1. Shift ceiling
2. Provide additional funding
3. Revise Fee Table
4. Revise PoP for new priced SLINs
5. Revise Clause 5252.232-9104

SECTION B -

1. Shift ceiling as follows:
 - a. Shift ceiling from CLIN 7200 to CLIN 7300 as follows:

7200	-126792.28	-9089.80	-2901
7300	126792.28	9089.80	2901

- b. Shift ceiling from CLIN 7500 to CLIN 7300 as follows:

7500	-186683.00	-13317.00	-4369
7300	186683.00	13317.00	4369

2. Establish new SLINs as follows:
 - a. Shift ceiling from holding CLIN 7300 to associated priced SLIN 7301AC.
3. The Fee Table is revised as a result of SLIN 7301AC.

SECTION F -

1. The Period of Performance for SLIN 7301AC is added by this modification.

SECTION G -

1. LLA AR/7301AC is added by this modification.

SECTION H -

1. Revise Clause 5252.232-9104, "Allotment of funds", paragraph (c) SLIN 7901AC.

As a result of this modification, the total funds obligated is increased from \$21,308,260.99 by \$335,882.08 to \$21,644,143.07.

As a result of above ceiling shifts, the total awarded value of this task order is increased from \$21,444,144.00 by \$200,000.00 to \$21,644,144.00 in this modification.

All other task order terms and conditions remain unchanged.

SECTION B SUPPLIES OR SERVICES AND PRICES

CLIN - SUPPLIES OR SERVICES

For Cost Type Items:

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
7100	R499	Base Year CPFF Labor: SCC, CIP, WPN (Fund Type - OTHER)					
710001	R499	AA [REDACTED] (FY of funding: NA, Type of Money: SCC, Customer Code: 8534, Sponsor: NUWC DIVNPT, TI#: TI-01, Rev. 00) (Fund Type - OTHER)					
710002	R499	AB [REDACTED] (FY of funding: NA, Type of Money: SCC, Customer Code: 8534, Sponsor: NUWC DIVNPT, TI#: TI-02, Rev. 00) (Fund Type - OTHER)					
710003	R499	AC [REDACTED] (FY of funding: 2013, Type of money: WPN, Customer Code: 8553, Sponsor: PMS404, TI-03, Rev. 00) (WPN)					
710004	R499	AD [REDACTED] (FY of funding: 2014, Type of money: WPN, Customer Code: 8553, Sponsor: PMS404, TI-04, Rev. 00) (WPN)					
710005	R499	AE [REDACTED] [REDACTED] in Mod 14) (FY of funding: N/A, Type of Money: SCC, Customer Code: 8534, Sponsor: NUWC DIVNPT, TI#: TI-05, Rev. 00) (Fund Type - OTHER)					
710006	R499	AG [REDACTED] [REDACTED] in Mod 10) (FY of funding: N/A, Type of Money: CIP, Sponsor: NUWC DIVNPT, TI--07, Rev.00) (Fund Type - OTHER)					
7200	R499	Option 2 CPFF Labor: SCC, CIP, WPN (Fund Type - OTHER)	0.0	LH	\$0.00	\$0.00	\$0.00
7201		Priced SLINs associated with priced CLIN 7200					
7201AA	R499	AJ [REDACTED] [REDACTED] in Mod 21) (FY of funding: N/A, Type of Money: SCC, Sponsor: NUWC DIVNPT, TI-08, Rev.00) (Fund Type - OTHER)					
7201AB	R499	AK [REDACTED] (FY of funding: N/A, Type of Money: SCC, Sponsor: NUWC DIVNPT, TI-09) (Fund Type - OTHER)					
7201AC	R499	AL [REDACTED] (FY of Funding: 2016; Type of Money: WPN; Customer Code: 859; Sponsor: PMS 404; TI #:					

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
		TI-010, Rev. N/A) (WPN)					
7201AD	R499	AN [REDACTED] [REDACTED] in Mod 21) FY of Funding: N/A; Type of Money: SCC; Customer Code: 85; Sponsor: NUWC DIVNPT; TI#: TI-10 (Fund Type - OTHER)	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
7300	R499	Option 5 CPFF Labor: SCC, CIP, WPN (Fund Type - OTHER)	0.0	EA	\$0.00	\$0.00	\$0.00
7301		Info CLIN for 7300					[REDACTED]
7301AA	R499	AP [REDACTED] (FY of funding: N/A, Type of money: SCC, Customer Code: 85B, Sponsor: 85, TI-11) (Fund Type - OTHER)	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
7301AB	R499	AQ [REDACTED] (FY of funding: N/A, Type of money: SCC, Customer Code: 85, Sponsor: NUWC DIVNPT, TI-12) (Fund Type - OTHER)	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
7301AC	R499	AR [REDACTED] (FY of funding: N/A, Type of money: SCC, Customer Code: 85, Sponsor: NUWC DIVNPT, TI-13) (Fund Type - OTHER)	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
7400	R499	Option 8 CPFF Labor: SCC, CIP, WPN (Fund Type - OTHER) Option	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
7500	R499	Option 11 CPFF Labor: SCC, CIP, WPN (Fund Type - OTHER) Option	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

For FFP Items:

Item	PSC	Supplies/Services	Qty	Unit	Unit Price	Total Price
8100	R499	Base FFP (Labor & ODC): SCC - Task 4.9 (Fund Type - OTHER)	1.0	EA	[REDACTED]	[REDACTED]
810001	R499	AA [REDACTED] (FY of funding: NA, Type of Money: SCC, Customer Code: 8534, Sponsor: NUWC DIVNPT (Fund Type - OTHER)				
8110	R499	Option 1 FFP (Labor & ODC): SCC - Task 4.9 (Fund Type - OTHER)	1.0	EA	[REDACTED]	[REDACTED]
811001	R499	AF [REDACTED] (FY of funding: N/A, Type of money: SCC, Customer Code: 8534, Sponsor: NUWC DIVNPT) (Fund Type - OTHER)				
8200	R499	AJ [REDACTED] (FY of funding: N/A, Type of money: SCC, Customer Code: 8534, Sponsor: NUWC DIVNPT) (Fund Type - OTHER)	1.0	EA	[REDACTED]	[REDACTED]
8210	R499	Option 4 FFP (Labor & ODC): SCC - Task 4.9 (Fund Type - OTHER)	1.0	EA	[REDACTED]	[REDACTED]

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Item	PSC	Supplies/Services	Qty	Unit	Unit Price	Total Price
821001	R499	AM [REDACTED] FY of Funds: N/A; Type of Funds: SCC; Customer Code: NUWC 8534; Sponsor: NUWCDIVNPT (Fund Type - OTHER)				
8300	R499	AP [REDACTED] (FY of funding: N/A, Type of money: SCC, Customer Code: 85B, Sponsor: 85) (Fund Type - OTHER)	1.0	EA	[REDACTED]	[REDACTED]
8310	R499	AC [REDACTED] (FY of funding: N/A, Type of money: SCC, Customer Code: 85, Sponsor: NUWCDIVNPT) (Fund Type - OTHER)	1.0	EA	[REDACTED]	[REDACTED]
8400	R499	Option 9 FFP (Labor & ODC): SCC - Task 4.9 (Fund Type - OTHER) Option	1.0	EA	[REDACTED]	[REDACTED]
8410	R499	Option 10 FFP (Labor & ODC): SCC - Task 4.9 (Fund Type - OTHER) Option	1.0	EA	[REDACTED]	[REDACTED]
8500	R499	Option 12 FFP (Labor & ODC): SCC - Task 4.9 (Fund Type - OTHER) Option	1.0	EA	[REDACTED]	[REDACTED]
8510	R499	Option 13 FFP (Labor & ODC): SCC - Task 4.9 (Fund Type - OTHER) Option	1.0	EA	[REDACTED]	[REDACTED]

For ODC Items:

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost
9100	R499	Base Year ODC: SCC, CIP, WPN (Fund Type - OTHER)	1.0	LO	[REDACTED]
910001	R499	AA [REDACTED] (FY of funding: NA, Type of Money: SCC, Customer Code: 8534, Sponsor: NUWC DIVNPT, TI#: TI-01, Rev. 00) (Fund Type - OTHER)			
910002	R499	AB [REDACTED] (FY of funding: NA, Type of Money: SCC, Customer Code: 8534, Sponsor: NUWC DIVNPT, TI#: TI-02, Rev. 00) (Fund Type - OTHER)			
910003	R499	AD [REDACTED] (FY of funding: 2014, Type of money: WPN, Customer Code: 8553, Sponsor: PMS404, TI-04, Rev. 00) (WPN)			
910004	R499	AE [REDACTED] (FY of funding: N/A, Type of Money: SCC, Customer Code: 8534, Sponsor: NUWC DIVNPT, TI#: TI-05, Rev. 00) (Fund Type - OTHER)			
910005	R499	AH [REDACTED] in Mod 10) (FY of funding: N/A, Type of Money: SCC, Customer Code: 8534, Sponsor: NUWC DIVNPT, TI-07, Rev. 01) (Fund Type - OTHER)			
9200	R499	Option 2 ODC: SCC, CIP, WPN (Fund Type - OTHER)	1.0	LO	\$0.00
9201					[REDACTED]
9201AA	R499	AJ [REDACTED] (FY of funding: N/A, Type of Money: SCC, Sponsor: NUWC DIVNPT, TI-08, Rev.00) (Fund Type - OTHER)	1.0	LO	[REDACTED]

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Item	PSC	Supplies/Services	Qty	Unit	Est. Cost
9201AB	R499	AK [REDACTED] (FY of funding: N/A, Type of Money: SCC, Sponsor: NUWC DIVNPT, TI-09) (Fund Type - OTHER)	1.0	LO	[REDACTED]
9201AC	R499	AL [REDACTED] (FY of Funds: 2016; Type of Funds: WPN; Customer Code: 859; Sponsor: PMS 404; TI #: TI-010, Rev. N/A) (WPN)	1.0	LO	[REDACTED]
9201AD	R499	AN [REDACTED] FY of Funding: N/A; Type of Money: SCC; Customer Code: 85; Sponsor: NUWC DIVNPT; TI#: TI-10 (Fund Type - OTHER)	1.0	LO	[REDACTED]
9300	R499	Option 5 ODC: SCC, CIP, WPN (Fund Type - OTHER)	1.0	LO	\$0.00
9301		Info CLIN for 9300			[REDACTED]
9301AA	R499	AP [REDACTED] (FY of funding: N/A, Type of money: SCC, Customer Code: 85B, Sponsor: 85, TI-11) (Fund Type - OTHER)	1.0	LO	[REDACTED]
9301AB	R499	AQ [REDACTED] (FY of funding: N/A, Type of money: SCC, Customer Code: 85, Sponsor: NUWC DIVNPT, TI-12) (Fund Type - OTHER)	1.0	LO	[REDACTED]
9301AC	R499	ODC in support of CLIN 7301 (Fund Type - OTHER)	1.0	LO	\$0.00
9400	R499	Option 8 ODC: SCC, CIP, WPN (Fund Type - OTHER) Option	1.0	LO	[REDACTED]
9500	R499	Option 11 ODC: SCC, CIP, WPN (Fund Type - OTHER) Option	1.0	LO	[REDACTED]

FEE TABLE (JUL 2012)

Labor CLIN	Labor Hours	Estimated Cost	Fixed Fee	Total	Fee Rate Per Hour	Fee Percentage
7100	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
7200	0	\$0.00	\$0.00	\$0.00	[REDACTED]	[REDACTED]
7201AA	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
7201AB	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
7201AC	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
7201AD	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
7300	0	\$0.00	\$0.00	\$0.00	[REDACTED]	[REDACTED]
7400	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
7500	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

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 (NAVSEA)

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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-2-0010 NOTE (OPTION)

NOTE A - 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.

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.

(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-2-0023 CONTRACT SUMMARY FOR PAYMENT OFFICE (COST/FIXED PRICE) (FEB 1997)

This contract includes the following mixture of cost reimbursement and fixed price line items:

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Item

Type*

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SECTION C DESCRIPTIONS AND SPECIFICATIONS

STATEMENT OF WORK

1 BACKGROUND

The Naval Undersea Warfare Center Division, Newport, Rhode Island (NAVUNSEAWARCENDIV NEWPORT) is the Navy's principal laboratory for full-spectrum research, development, test and evaluation (RDT&E), acquisition, and life-cycle support for anti-submarine warfare and submarine weapon systems, and it represents the Navy's corporate knowledge base for fleet support of these systems. Customers include: Code 85, Code 15, PMS404, PMS406, ONR, NAVSUP, FMS countries, and industry under WPP.

The Propulsion Test Facility (PTF) (Code 8534) is a specialized land based testing facility in the Mechanical System Branch in Undersea Vehicles, Weapons and Defensive Systems Department (Code 85), NAVUNSEAWARCENDIV NEWPORT. The PTF is responsible for testing and evaluation of undersea vehicle propulsion systems, related components, and the testing and support of other NAVUNSEAWARCENDIV NEWPORT developed system hardware. The division's mission is to continuously upgrade and monitor the reliability and maintainability of the weapon systems as part of the overall weapons systems improvement process.

Safety and environmental control are primary considerations for all test operations. The PTF includes test cells, high energy test chambers, laboratories, specialized test facilities and equipment, and test areas required to perform test hardware build-up, unit testing, and data reduction and analysis. Many of these operations and systems have the potential to severely injure personnel, destroy buildings and do damage to the environment.

This specialized land-based testing capability includes the ability to evaluate underwater torpedo and UUV propulsion systems and their respective components and subsystems in an environment that simulates in-water conditions while minimizing environmental impacts, reducing costs, minimizing risks, and providing greater control over the test item and test scenarios. The facilities are technically directed and managed by NAVUNSEAWARCENDIV NEWPORT Code 8534. Government personnel may prepare items for testing and provide technical and analytical support to the contractor for tests and design efforts. Operational and maintenance support for the test facilities is provided by the contractor.

The PTF complex is currently comprised of the following facilities and research laboratories

Table 1 List of PTF Facilities

- Deep Depth Test Facility (DDTF)
- Advanced Underwater Vehicle Propulsion Research and Development Facility
- High Energy Chamber (Currently Mothballed)
- Component Test Facility (Currently Mothballed)
- Electric Propulsion Test Facility
- Battery Test Support Facility
- Fuel Cell Test Facility
- In-water Vehicle Preparation Facility
- Propulsion Noise Test System (PNTS)
- Underwater Vehicle Signature Reduction Laboratory
- Open-Cycle Thermal Support Laboratory
- Steam Test Facility (Currently Mothballed)
- Instrumentation and Control Center
- Hazardous Material Storage Facility
- Chemistry Laboratory
- Otto Fuel Storage Compound

Table 2 List of Sites Supported

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- Intermediate Maintenance Facilities (IMAs)
 - Yorktown Virginia
 - Keyport Washington
 - Pearl Harbor Hawaii
- Down range Flushing Sites
 - Cape Cod Massachusetts
 - AUTEC
 - PMRF
- FMS Sites
 - Brazil
 - Turkey
 - Australia
 - Egypt
 - Netherlands
 - India**
 - Japan**
 - Taiwan**

2 SCOPE

In support of the Navy's Propulsion Test Facility, the contractor shall perform facility operations, maintenance, and upgrades. The is does not include items under NAFAC cognizant which include the following: heating and air conditioning in the facilities; electrical power to the main breaker panels; lighting systems; water; janitorial services; building structures themselves and the facility support systems to the buildings.

The contractor shall prepare the test facility and test item, interface the test item, execute the test, and collect and process test data. Typically six major tests (Mk 48 propulsion system) are performed annually. Many test operations are inherently hazardous and involve the handling of hazardous materials, hazardous wastes, and explosives. The contractor shall restore the facility to the pre-test condition, in compliance with all applicable Federal, State, and local environmental and safety directives/regulations. Examples of test items that the contractor shall handle include the following: Torpedo MK 46, Torpedo MK 48 (all MODs), Torpedo MK 50, and Torpedo MK 54; Unmanned Undersea Vehicles (UUVs), in-water vehicles and components including tankage sections; state-of-the-art closed-cycle and open-cycle turbine and rotary expanders; metal-based energy sources such as Torpedo MK 50 static boilers; fuels such as liquid mono- and bi propellants; electric propulsion systems (including electric motors as well as primary and secondary batteries and fuel cells); and Distributed Networked Systems (DNS) power sources and sensors. In addition, the contractor shall support preparing test items to be tested at off-site test ranges, as well as, support testing at off-site locations.

The contractor shall ensure the PTF is maintained fully compliant with personal Health and Safety, Explosive Safety, Radiation Safety, and Environmental standards.

The PTF provides services to wide range of customers throughout the NAVY and private sector. All services provided to PTF customers are requested, approved, and tracked through the PTF Task request system (5.1.7). No services will be provided by the contractor outside of PTF Task request system.

The Propulsion Test Facility is a Service Cost Center (SCC). All tasks performed will be funded with SCC funds. Upgrade tasks may also be funded using Capital Improvement Program (CIP) funds. Tasks of SOW directly supporting the use of CIP funds will also use CIP funding.

All efforts shall be performed in accordance with applicable specifications, standards and directives listed in Section 3.0 and with information/data provided as Government-Furnished Information, Section 5.

The following SeaPort-e basic tasks apply to this requirement:

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Table 3 SeaPort-e Tasks

- 3.1 Research and Development Support
- 3.2 Engineering, System Engineer and Process Engineer Support
- 3.3 Modeling, Simulation, Stimulation, and Analysis Support
- 3.4 Prototyping, Pre-Production, Model-Making, and Fabrication Support
- 3.5 System Design Documentation and Technical Data Support
- 3.6 Software Engineering, Development, Programming and Network Support
- 3.9 System Safety Engineering Support
- 3.12 Information System (IS) Development, Information Assurance (IA),
and Information Technology (IT) Support
- 3.15 Measurement Facilities, Range, and Instrumentation Support
- 3.19 In-Service Engineering, Fleet Introduction, Installation and Checkout Support

3 APPLICABLE DOCUMENTS

The contractor shall use applicable in-house procedures, industry standards, federal regulations, manufacturer's manuals, and Chief of Naval Operations (OPNAV) and Naval Sea Systems Command (NAVSEA), Naval Ordnance Safety and Security Activity (NOSSA) instructions, standards and technical documentation during the performance of this contract. The following is a list of Government standards and specifications. Contractor is required to ensure they are using the latest revision of the applicable documents.

3.1 Standards

- 3.1.1 ASME Y14.5 Dimensioning and Tolerancing
- 3.1.2 ASME Y14.100 - Engineering Drawing Practices
- 3.1.3 ASME Boiler & Pressure Vessel Code
- 3.1.4 ASME B31.1 Power Piping
- 3.1.5 ASTM G93 - Standard Practice for Cleaning Methods and Cleanliness Levels for Material and Equipment Used in Oxygen-Enriched Environments
- 3.1.6 DOD-STD-2101 Classification of Characteristics
- 3.1.7 DoDD 8570.01 Information Assurance Training, Certification, and Workforce Management
- 3.1.8 DODI 8500.01 Cybersecurity
- 3.1.9 EIA-649 Configuration Management Standard
- 3.1.10 IEEE/EIA 12207.1 - Standard for Information Technology-Software Life Cycle Processes
- 3.1.11 MIL-STD-882 - Standard Practice for System Safety
- 3.1.12 MIL-STD-810 - Environmental Engineering Considerations and Laboratory Tests
- 3.1.13 MIL-STD-1686 - Electrostatic discharge control program for protection of Electrical and Electronic parts, assemblies, and equipment (excluding electrically initiated explosive devices)
- 3.1.14 MIL-STD-31000A Standard Practice Technical Data Packages

3.2 Code of Federal Regulations (CFR's)

- 3.2.1 Title 10 Part 19 Notices, Instructions and Reports to Workers: Inspection and Investigations
- 3.2.2 Title 10 Part 20 Standards for Protection Against Radiation
- 3.2.3 Title 10 Part 34 Licenses for Industrial Radiography and Radiation Safety Requirements for Industrial Radiographic Operations
- 3.2.4 Title 10 Part 37 Physical Protection of Category 1 and Category 2 Quantities of Radioactive Material
- 3.2.5 Title 29 Part 1910 Occupational Safety and Health Standards
- 3.2.6 Title 29 Part 1926.500 Fall Protection
- 3.2.7 Title 40 Part 260 Hazardous Waste Management System: General
- 3.2.8 Title 40 Part 261 Identification' and Listing of Hazardous Waste
- 3.2.9 Title 40 Part 262 Standards Applicable to Generators of Hazardous Waste
- 3.2.10 Title 48 Part 252.223-7002 Safety precautions for ammunition and explosives
- 3.2.11 Title 48 Part 252.223-7003 Change in place of performance-ammunition and explosives

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3.2.12 Title 49 Part 171 General Information, Regulations and Definitions

3.2.13 Title 49 Part 172 Hazardous Materials Table, Special Provisions, Hazardous Materials Communications, Emergency Response Information, and Training Requirements

3.2.14 Title 49 Part 173 Shippers-General Requirements for Shipments and Packaging

3.3 NAVSEA Documents

3.3.1 NAVSEA OP 4 Ammunition and Explosive Safety Afloat

3.3.2 NAVSEA OP 5 Ammunition and Explosive Safety Ashore Regulations for Handling, storing, Production, Renovation, and Shipping

3.3.3 NAVSEA OP 3199 Handling and Storage of Liquid Propellants

3.3.4 NAVSEA OP 4098 Handling Ammunition, Explosives and Hazardous Materials with Industrial Material Handling Equipment (1VIHE)

3.3.5 NAVSEA OP 4461 On-Station Movement of Ammunition and Explosives by Truck and Railcar

3.3.6 NAVSEA S0420-AA-RAD-010 RADIOLOGICAL AFFAIRS SUPPORT PROGRAM MANUAL

3.3.7 NAVSEA 8020.9 Ammunition and Explosives Personnel Qualification and Certification Program for Research, Development, Test and Evaluation Activities

3.4 NOSSA Documents

3.4.1 NOSSA 8020.22 Explosives Safety Site Approval Documentation Requirements, Submittal, Review, Approval, and Oversight

3.4.2 NOSSA 8023.11 DON Standard Operating Procedures Development, Implementation, and Maintenance for Ammunition and Explosives

3.5 OPNAV Instructions

3.5.1 OPNAVINST 5090.1 Environmental and Natural Resources Program Manual

3.5.2 OPNAVINST 5100.23 Navy Occupational Safety and Health (NAVOSH) Program Manual

3.5.3 OPNAVINST 5102.1 Mishap Investigation and, Reporting

3.5.4 OPNAVINST 5510.1 Department of the Navy Information and Personnel Security Program Regulation

3.5.5 OPNAVINST 5530.13 Department of the Navy Physical Security Instruction for Conventional Arms, Ammunition and Explosives (AA&E)

3.5.6 OPNAVINST 8020.14 Department of the Navy Explosives Safety Management Policy Manual

3.5.7 OPNAVINST 8023.24 NAVY PERSONNEL AMMUNITION AND EXPLOSIVES HANDLINGQUALIFICATION AND CERTIFICATION (QUAL/CERT) PROGRAM

3.6 NAVUNSEAWARCENDIV NEWPORT Instructions

3.6.1 NUWCDIVNPTINST 3141.1 NUWCDIVNPT Metrology and Calibration (METCAL) Program

3.6.2 NUWCDIVNPTINST 4400.2 Receipt, Delivery, Inspection, and Shipment of Material

3.6.3 NUWCDIVNPTINST 5090.3 Hazardous Material control Program

3.6.4 NUWCDIVNPTINST 5090.4 National Environmental Policy Act and Executive Order 12114 Compliance

3.6.5 NUWCDIVNPTINST 5100.5 Occupational Safety and Health (OSH) Program

3.6.6 NUWCDIVNPTINST 5100.7 System Safety Requirements

3.6.7 NUWCDIVNPTINST 5100.14 Management of Weight Handling Equipment

3.6.8 NUWCDIVNPTINST 5104.2 Analytical X-Ray and Electron Microscope Radiation Safety Program Naval Undersea Warfare Center Division Newport

3.6.9 NUWCDIVNPTINST 5500.4 NUWC Division Newport Command Security Manual

3.6.10 NUWCDIVNPTINST 8015.1 Conventional Ordnance Inventory Accountability

3.6.11 NUWCDIVNPTINST 8020.4 NUWCDIVNPT Explosive Safety Policies, Requirements, and Procedure manual

3.6.12 NUWCDIVNPTINST 8020.9 NUWCDIVNPT Conventional Ordnance/Explosive Handling Qualifications and Certification

3.6.13 NAVSTANPT 081-1283-00 Spill Prevention Control and Counter Measure plan

3.6.14 Hazardous Waste Management Plan

3.6.15 Hazardous Waste Contingency Plan for NUWCDIVNPT Including Gould Island

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3.6.16 Accidental Discharge/Slug Control Plan

3.7 NAVFAC P-307 Management of Weight Handling Equipment

3.8 PTF PROCEDURES (Maintained in PTF Procedure Data Base)

4 REQUIREMENTS

The specific tasks within the task order are defined below. They shall be accomplished in accordance with cited standards/specifications.

The contractor shall operate, maintain, and make upgrades of all assigned facilities that comprise the PTF complex as described herein. The contractor shall provide support for the assembly, integration and test of experimental systems and sub systems within the test facilities or at other test locations. Typical locations where Torpedo test equipment is listed in Table 2

Contractor shall operate and maintain the facilities in compliance with all Explosive Safety, NAVSTA, OSHA, Navy, environmental, and security policies, rules and regulations.

The contractor must be able to support 6 major explosive tests annually. Each test will require a 4 week effort.

As specific needs are identified, a Technical Instruction (TI) may be issued to initiate work. TI's will identify the specific requirement, within the scope of the SOW, including the specific system and/or platform, work to be performed, and delivery requirements

The magnitude of test instrumentation requirements vary based upon the number of parameters measured (nominally 10 to 160). Normally an average of 128 parameters are measured for system tests and an average of 30 for component testing. Check-out tests are conducted on all new test setups and test stands. This testing normally will require 3 to 7 tests prior to actual operational tests depending upon the complexity of the test setup and associated hazards. All new setups require end-to-end calibration of instrumentation and critical parameters as well as development of new test procedures.

Draft test procedures are prepared using Unit Under Test information provided by NAVUNSEAWARCENDIV NEWPORT. The final draft must be approved by the Government before the procedure becomes executable. The number of new test procedures generated per year is estimated to be 5 to 10. Approximately 15 existing procedures per year are modified to incorporate changes and/or improvements. In addition, the contractor prepares and publishes various types of reports on testing and studies/analysis performed.

The facility archives approximately 7,000 drawings and 400 Point to Point Wiring Diagrams (PTPWD) that document systems, subsystems, and test stand configurations. The PTF contractor is responsible for maintaining these drawing such that they accurately reflect the current facility configuration. Currently approximately 20% of the archive drawings are hand drawn with no digital image. The contractor shall convert archive drawings to digital media on an ongoing basis. The contractor shall maintain a web-based database of the drawings as part of the configuration management plan.

4.1 Task A – Operation Service

Utilizing GFI identified in Section 5.0, and in accordance Applicable Documents identified in Section 3.0, and Technical Instructions issued by the Government, the contractor shall:

a. Conduct explosive operations in accordance with Applicable Documents 3.3.2, 3.3.3, 3.3.4, 3.3.5, 3.3.7, 3.4.1, 3.5.7, 3.6.9, 3.6.10, and 3.6.11. In accordance with DFAR 223.370-3(b), Applicable Documents 3.3.2, 3.5.7, 3.6.9, 3.6.10, and 3.6.11 will be used in lieu of DoD 4145.26-M, Contractors' Safety Manual for Ammunition and Explosives.

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- b. Perform tests and operations using information provided by the PTF Task Request System (5.1.7), in accordance with Applicable Documents 3.8.
- c. Prepare, calibrate, document, and operate the analog and computer-based data acquisition, Control Systems and instrumentation systems using GFI 5.4 in accordance with Applicable Documents 3.6.1, and 3.8. Contractor shall ensure systems are calibrated within a 1% error of full range and documented in Instrumentation Database (5.1.9).
- d. Using GFI 5.4, operate test equipment and data reduction equipment.
- e. Using GFI 5.4, operate electrical, pneumatic, and hydraulic equipment to conduct testing and operations in accordance with Applicable Documents 3.2.
- f. Install and interface test items into test stands using Test Plans/Test Requests provided by Task Request system (5.1.7), in accordance with Applicable Documents 3.8.
- g. Conduct all pre-run, run, post-run procedures and return the test item and support equipment to a "safe" condition in accordance with Applicable Documents 3.8.
- h. Perform test item assembly, disassembly and inspection using information provided by the PTF Task Request System (5.1.7). Items include Torpedo's, UUV's and experimental vehicles. Test items can use liquid propellants, oxidizers, monopropellants, solid propellants, batteries, and fuel cells.
- i. Prepare test items for in-water ranging and testing at other Test Facilities.
- j. Perform Weapon Handling, Flushing, Canning and Data Extraction for at-sea testing, testing at other ranges, and operations at NUWC facilities that require certified Explosive personnel in accordance with Applicable documents 3.3 and 3.4. Contractor will not act as Safety Officer.
- k. Gather and analyze test data to verify that the test facilities are creating the expected test conditions. Contractor shall report findings and recommendations of test facilities to the Test Director as a Facility Performance Report.
- l. Perform maintenance, installation, and upgrades of torpedo test equipment at other test sites listed in Table 2.
- m. Demonstrate use of torpedo test equipment at other test sites listed in Table 2
- n. Prepare a summary report documenting test events within the PTF Test Database (5.1.3).
- o. Maintain test logs for all system and component tests. Test logs shall include test preparations, problems noted and corrective actions, instrumentation anomalies both pre and posttest. A master test/maintenance log which lists all Logs being kept must be readably available to government personnel.
- p. Establish and maintain procedures and training records for Lock-Out Tag-Out, Confined Space Entry, and Respirator Training in accordance with Applicable Documents 3.2.5, Fall Protection in accordance with Applicable Documents 3.2.6. The contractor shall provide training records, proof of occupational health physicals, and procedures to the government.
- q. Maintain training records for Crane operations in accordance with Applicable Documents 3.7 and Hazardous Waste Generator, Solvent Degreaser, Spill Prevention Control and Countermeasure, Hazardous Waste Operations and Emergency Response (HAZWOPER), and Environmental Awareness Training in accordance with Applicable Documents 3.2.7, 3.2.8, 3.2.9, and 3.2.13. The contractor shall provide training records and proof of occupational health physicals and explosive operation medical qualification (3.3.2) to the government.
- r. Format PTF Test reports for review, approval, and distribution.
- s. Utilizing GFI view graph drafts and notes, prepare briefings, handouts and other forms of presentation material, and attend meetings to provide recommendations regarding the operations and maintenance of the PTF at which the material will be presented.
- t. Maintain security within spaces normally occupied by the contractor in the performance of the tasks related to this contract in accordance with Applicable Documents 3.6.8. This task shall include validation of proper clearance and need-to-know, and the escort of non-cleared service personnel when they are performing tasks within the contractor's area.

4.1.1 Schedule/Deliverables

The contractor shall provide the following deliverables:

Facility Performance Report (k above) in accordance with CDRL A001

Test Logs (n above) in accordance with CDRL A002.

Procedures (o above) in accordance with CDRL A00F

Training Records and proof of occupational health physical (o and p above) in accordance with CDRL A00G

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4.2 Task B – Maintenance Service

The contractor shall provide proper maintenance and protection of all equipment and facilities, as described below utilizing GFI Section 5, and accordance with Technical Instruction, and Applicable Documents Section 3.0.

Routine maintenance is covered in section 4.9. The contractor shall perform preventive maintenance, corrective maintenance, and equipment preservation, calibration, and repair. Maintenance shall include;

- a. Maintenance of Oxygen systems must be certified Oxygen clean in accordance with Applicable Document 3.1.5
- b. Pressure Vessels shall be maintained in accordance with Applicable Documents 3.1.3
- c. Cranes shall be maintained (Pre-use inspections and reporting) and operated in accordance with Applicable Documents 3.7. Certification, Testing and repair of the cranes will not be done by contractor.

The contractor shall perform corrective maintenance for all equipment in the PTF complex. Major PTF systems are listed in Table 1 List of PTF Facilities. These facilities include the following items:

- a. PTF Closed enclave Network (VLAN)
- b. Computers connected to the PTF VLAN and NUWCDIVNPT RDTE network
- c. PTF Domain Server and maintain backup of server
- d. PTF Software
 - 1) PTF Network Status (PTFNS)
 - 2) Data Acquisition and Instrumentation System (DAISy)
 - 3) Digital Speed Control System (DSCS)
 - 4) Fuel Delivery System (FDS) control software
 - 5) Facility Control Software
 - 6) Propulsion Noise Test System (PNTS)
 - 7) Spray Combustion Test Stand (SCTS)
 - 8) Freeze protection monitoring software
 - 9) Cyclic Pressure Test (CPT) control software
 - 10) Oven control software
- e. PTF Databases
 - 1) Point To Point Wiring Diagrams (PTPWD)
 - 2) Instrumentation Database
 - 3) NALC inventory/usage Database
 - 4) Web based Databases (Library, Drawings, Test logs and history, CDRL reporting, etc)
 - 5) Web based forms system (Purchase request, Task Request, etc)
- f. Deep Depth Test Facility
 - 1) Deep Depth Test Facility, including: depth control system, exhaust system, pressure vessel, seal oil system, power absorption systems, exhaust process tank, fragmentation barricade, and remote fuel delivery system.
 - 2) Water Tanks.
 - 3) Hydrogen Detection System.
 - 4) Instrumentation and Control System.
 - 5) OTTO Fuel II Exhaust Hazard Waste Containment System.
 - 6) Thermal Afterburner.
 - 7) Floor Drain Separator Tank System.
 - 8) Emergency Eyewash/Shower Stations.
 - 9) Category 3 Non Cab operated cranes
- g. Advanced Underwater Vehicle Propulsion Research and Development Facility.
 - 1) Instrumentation and Control Center equipment, including: power supplies, Uninterruptible Power Supplies (UPS), TV/monitor display systems, Closed circuit video recording and monitoring systems, and instrumentation and control systems for the test facilities and test items.
 - 2) Real-time data monitoring systems and data processing system.
 - 3) Data Acquisition System.
 - 4) Control consoles for DDTF, Lightweight Drag disc stand, PNTS, Fuel Cell research facility, PTF Facility Control and other misc test stand control consoles.
 - 5) Computer test control systems (i.e., Digital Speed Control System (DSCS), Fuel Delivery System (FDS),

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facility control software, cyclic pressure test software, etc.).

6) Databases (i.e., instrumentation database, test database, electronic engineering notebook database, engineering change request, drawing database, PTF library).

7) PTF library.

h. High Energy Chamber:

- 1) Air Scrubber
- 2) Tilt and Roll Platform
- 3) Static Boiler Test Stand
- 4) Spray Combustion Test Stand
- 5) Ocean Flow Simulator, Pump and Tank System
- 6) Feed Water Supply System
- 7) Steam Condensate/desuperheater System
- 8) Hydraulic Door Closure and Locking System
- 9) Data Acquisition System
- 10) Emergency Eyewash Station
- 11) Category 3 Non Cab operated cranes

i. Component Test Facility:

- 1) WALCO Power Supply and Motor Dynamometer System.
- 2) Instrumentation and Data Acquisition System.
- 3) 750 KW Battery Test Stand, Load Bank, and Electrolyte Waste Management System.
- 4) Torpedo MK 48 Auxiliary Pump Test Stands.
- 5) Pressure Over Liquid (POL) water supply tank and associated pressure regulation equipment.
- 6) Electrolyte Waste Storage System.
- 7) Floor Drain Separator Tank System.
- 8) Emergency Eyewash/Shower Stations.
- 9) Category 3 Non Cab operated cranes

j. Electric Propulsion Test Facility

- 1) 1 MW DC Power Supply.
- 2) Pressurized SOFC Pressure Vessel test stand
- 3) Power Distribution System to Buildings 179 and 178.
- 4) Control Room Equipment and Data Acquisition System.
- 5) PXI Control system
- 6) Test Cell Motor and Battery Equipment.
- 7) Battery Development Program Test Stand.
- 8) Electrolyte Waste Storage System.
- 9) Ocean Flow Simulator, Pump and Tank System.
- 10) Hydrogen and Oxygen Delivery Systems.
- 11) Emergency Eyewash/Shower Stations.
- 12) Category 3 Non Cab operated cranes

k. Battery Test Support Facility:

- 1) Calorimeter System.
- 2) Chiller System.
- 3) Load Bank Waste Heat Removal System.
- 4) Category 3 Non Cab operated cranes

l. Propulsion Noise Test System (PNTS):

- 1) 750 HP Dynamometer.
- 2) Water Storage and Transfer System.
- 3) Water Treatment System.
- 4) Cooling Water Make-up System.
- 5) Vehicle Mounting System.
- 6) Category 3 Non Cab operated cranes

m. Underwater Vehicle Signal Reduction Laboratory:

- 1) Temperature Conditioning System

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- 2) Torpedo MK 46/54 Drag Disk Test Stand
 - 3) Heavyweight/Lightweight Component Test Stands
 - 4) High Pressure Water Pump Systems
 - 5) Data Acquisition System
 - 6) Non-Contact Cooling Water (NCCW) System
 - 7) Fuel Delivery System
 - 8) Combustion Test Stand
 - 9) Torpedo MK 48 Engine Test Stand (Pod) System
 - 10) Exhaust Systems
 - 11) Surface Test Stand
 - 12) Pressure over Liquid (POL) Water supply tank and associated pressure regulation equipment
 - 13) High-pressure Nitrogen Storage/Distribution System
 - 14) Exhaust process tank system
 - 15) High-pressure compressed air Generation/storage/distribution system
 - 16) Low-pressure compressed air Generation/storage/distribution System
 - 17) SF6 Fueling Stand (Torpedo MK 50)
 - 18) Emergency Eyewash/Shower Stations
 - 19) Low Pressure Steam Test Stand
 - 20) Category 3 Non Cab operated cranes
- n. Open-Cycle Thermal Support Laboratory:
- 1) Foam Fire Suppression System
 - 2) Air Breathing Systems
 - 3) Dry Room
 - 4) Low-pressure compressed air Generation/storage/distribution System
 - 5) Hazardous Waste Tank Systems and Alarms
 - 6) Torpedo MK 48 (all MODS), Torpedo MK 46, and Torpedo MK 54 Fleet and Depot Test Equipment
 - 7) Annex Fueling and Defueling Vapor Close-capture Systems
 - 8) Emergency Eyewash/Shower Stations
 - 9) Category 3 Non Cab operated cranes
- o. Steam Test Facility:
- 1) Low-Pressure Steam System
 - 2) High-Pressure Boiler and Superheater System, including: water storage, delivery systems, and High-Pressure Steam Delivery System to test cell
 - 3) Pebble Bed Superheater System.
 - 4) Emergency Eyewash/Shower Stations
- p. Hazardous Material Storage Facility:
- 1) Hazardous Material Storage Lockers
 - 2) Emergency Spill Response Kits
 - 3) Emergency Eyewash Station
 - 4) Self Contained Breathing Apparatus (SCBA's)
 - 5) Category 3 Non Cab operated cranes
- q. Chemistry Laboratory:
- 1) Scanning Electron Microscope with Energy Dispersive System
 - 2) X-ray-diffractometer
 - 3) Surface area analyzer
 - 4) Glove box
 - 5) High temperature tube/box furnace
 - 6) Solid Oxide Fuel Cell test stand
 - 7) Optical microscope
 - 8) Aqueous based fuel cell test stand
 - 9) Impedance/phase gain analyzer
 - 10) Gas Chromatograph/Mass Spectrometer
 - 11) High Performance Liquid Chromatograph

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- 12) Potentiostat/Galvanostat
- 13) Ultraviolet Visible Spectrophotometer
- 14) Atomic Absorption Spectrometer
- 15) Differential Scanning Calorimeter
- 16) Emergency Eyewash/Shower Stations
- r. Fuel Storage Compound:
 - 1) Bulk Otto Fuel Storage
 - 2) Flammable liquid storage
 - 3) Emergency Eyewash Station
- s. Torpedo test equipment/sets:
 - 1) Mk 5 Hydraulic Filling Unit
 - 2) Mk 6 Fuel Tank Filling Unit
 - 3) Mk 658 Fuel Delivery Assembly Test Set (FDATS)
 - 4) Mk 659 Steering Assembly Test Set (SATS)
 - 5) Mk 660 Automatic Test Equipment (ATE)
 - 6) Mk 695 Lightweight ATE
 - 7) Mk 707 Speed Control Valve Test Set (SCVTS)
 - 8) Mk 712 Automated Flushing Set

The contractor is NOT responsible for: heating and air conditioning in the facilities; electrical power to the main breaker panels; lighting systems; water; janitorial services; building structures themselves and the facility support systems to the buildings.

The contractor shall maintain the test and support equipment within the facilities from the point of output of the main power panel.

4.2.1 Schedule/Deliverables

The contractor shall provide the following deliverables:

Point to Point Wiring Diagrams (PTPWD) in accordance with CDRL A00M

4.3 Task C – Facility Upgrade and Modification Services

The contractor shall make Modification and Upgrades to all equipment and facilities (Not including those under NAFAC cognizance) to support PTF operations as Identified in the PTF Task request system (5.1.7) and Technical Instructions. The contractor shall:

- a. Verify systems and components being installed or upgraded are designed to Applicable Documents Standards 3.1, and are in compliance with OSHA regulations of Applicable Documents 3.2, explosive and radiation safety of Applicable Documents 3.3 and NAVUNSEAWARCENDIV NEWPORT safety and environmental instructions of Applicable Documents 3.6
- b. Provide engineering evaluations. Analyze current test facility capabilities and limitations, and provide recommendations for optimizing existing test systems capabilities through modifications, replacements, or development of new equipment and systems.
- c. Prepare design criteria, detailed design specifications, schedules, and cost estimates.
- d. Fabricate system components and system parts needed for upgrades or modifications.
- e. Install new systems and perform modifications to existing systems in accordance with applicable documents 3.1 and 3.2
- f. Perform verification checks and tests of new and modified systems.
- g. Prepare system documentation in accordance with Applicable Documents 3.1.14. Documentation includes:
 - 1) Operating instructions
 - 2) Schematic diagrams
 - 3) Point To Point Wiring Diagrams (PTPWD)
 - 4) Installation and checkout plans
 - 5) Parts and Assembly drawings in accordance with Applicable Documents 3.1.1 and 3.1.2.
- h. Install and modify pressure vessels and piping in accordance with Applicable Documents 3.1.3 and 3.1.4.

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4.3.1 Schedule/Deliverables

The contractor shall provide the following deliverables:

- Drawings and Schematics (g.2) above and g.5) above) (excluding PTPWD) in accordance with CDRLs A005.
- PTPWD (g.3) above) in accordance with CDRL A00M
- System Documentation and Operating instructions for Hardware (g.1) above) in accordance with CDRL A006
- System Documentation and Operating Instruction for Software (g.1) above) in accordance with CDRL A007
- Engineering evaluations (b above) in accordance with CDRL A008
- Design specification (c above) in accordance with CDRL A009
- Schedules and cost estimates (c above) in accordance with CDRL A00A

4.4 Task D – Engineering Services

The contractor shall develop, review, revise, and prepare engineering documentation for operations including test systems, and support hardware, utilizing GFI Section 5, Technical Instruction, and Applicable Documents Section 3.0. Specific engineering services shall include:

- a. Maintain in electronic form current drawing documentation and PTPWD for all test systems. Contractor shall maintain a backup of all Electronic files.
- b. Prepare, format, revise, maintain operating instructions for all systems, plus standard operational procedures (SOP) for all user task activity.
- c. Prepare, format, revise Test Plans/Test Requests for tests.
- d. Design components/systems related to test facility operations, facility upgrades and modifications, at-sea demonstration tests, and prototype systems development in accordance with all Applicable Documents of section 3.
- e. Model and simulate experimental systems to evaluate mechanical, electrical, and control and monitoring of systems and components under test.
- f. Use Human Systems Integration (HSI) technology to develop laboratory solutions for underwater vehicle control which will also be tested in-water.
- g. Design and develop simulators to test facility and experimental systems prior to full-up testing.
- h. Develop and maintain developmental, design and product engineering drawings for program(s), system(s) and component(s), from sketches to production drawings. Drawings shall be in accordance of Applicable Documents 3.1.1 and 3.1.2
- i. Develop recommended schedules, project plans, project cost estimates, and viewgraph presentations. The contractor shall provide inputs for, and attend Planning Meetings, Integrated Product Teams (IPTs), Comment Resolution Meetings, Configuration Control Board (CCB) Meetings, In-Process Review (IPRs), Quarterly Program Reviews (QPRs), Design Reviews, and Test Readiness Reviews (TRRs) for the purpose of presenting status reports.

4.4.1 Schedule/Deliverables

The contractor shall provide the following deliverables:

- SOPs (b above) in accordance with 3.4.2 and CDRL A00B
- Operating instructions (b above) and all other documentation in accordance with CDRL A006
- Test Plans and Test Requests (c above) in accordance with CDRL A00C
- Presentation materials (i above) in accordance with CDRL A00D
- Conceptual, developmental, production drawings (h above) in accordance with CDRLs A005
- PTPWD (a above) in accordance with CDRL A00M

4.5 Task E – Studies and Analysis Services

The contractor shall perform studies and analyses for the Experimental Test Facilities and related subsystem hardware, and hardware under test. The contractor shall provide system development, in-service engineering, and component/system failure analysis. Studies and analysis shall include:

- a. Perform engineering studies and analyses of the test facilities and its systems, subsystems and components to

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determine and correct deficiencies; to evaluate test system design and assess the transfer of state-of-the-art technology into system/facility upgrades; and identify and prepare improvements to support future weapon systems test requirements.

b. Analyze test system capabilities and develop analytical and/or computer models to assess basic test system design and performance.

c. Perform studies and analysis related to experimental development in the following areas:

- 1) Fuels and Combustion Processes
- 2) Fuel Cells
- 3) Acoustics and Vibrations
- 4) Electrochemical Analysis
- 5) Electro-mechanical Energy Conversion
- 6) System Controls
- 7) Structural Analysis
- 8) Solid Modeling

d. Investigate, evaluate and implement tools, technologies, methodologies, and processes in order to improve efficiency, effectively utilize resources, improve response time, and reduce costs to maintain the facilities at a level for best support of RDT&E, Production, and In-Service test programs. Investigations and implementations shall include: electronic document management systems; product data management systems; workflow systems; database tracking; electronic hardware, analog and digital analysis, design and improvement; automated version control and configuration management systems; automated quality assurance systems; Independent Validation and Verification (IV&V) of instrumentation software; and software process improvement (including Capability Maturity Model (CMM) assessment).

e. Investigate the environmental impact of proposed actions and any test events, with particular attention to the possible existence of hazardous materials in accordance with NUWC DIVNPT NOTICE 5090.2.

4.5.1 Schedule/Deliverables

The contractor shall provide the following deliverables:

- Engineering and scientific/technical reports in accordance with CDRL A008
- Engineering analysis reports in accordance with CDRL A00E

4.6 Task F – Inventory and Logistics Services

Utilizing GFI Section 5, Technical Instruction, and Applicable Documents Section 3.0 the contractor shall:

a. Provide staging and shipping for experimental test items that are to complete testing at other facilities or for at-sea exercises.

b. Move material between NUWC DIVNPT test facilities within 30 minutes of tasking to avoid schedule delay. Material will have a footprint of up to 4' by 8' and weigh up to 1000 lbs.

4.7 Task G – Quality Assurance/Configuration Management

The contractor shall review hardware and software documentation, instructions, procedures, and manuals to determine quality conformance and technical impact utilizing GFI Section 5, Technical Instruction, and Applicable Documents Section 3.0. Specific quality assurance support shall include:

a. Generate, implement, operate, control, manage and monitor a quality assurance program. The operation of this program shall include the detailed inspection of mechanical and electrical/electronic hardware to verify their conformance to their respective engineering drawings and specifications.

b. Perform/prepare independent verification and validation reports for test plans, master test plans, test procedures, test reports or other software for test or evaluation of system/equipment hardware or software items.

c. Review quality assurance program and inspection procedures, workmanship standards, and standard repair procedures, for compliance with the Facility QA program.

d. Plan, prepare, and perform tasks of system safety assurance in accordance with Applicable Documents 3.1.11 and environmental compliance in accordance with Applicable Documents 3.5.1.

e. The contractor shall participate in upgrade requirements for Software Capability Maturity Model (CMM)

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policy and ensure only approved software is utilized for testing critical systems

4.7.1 Schedule/Deliverables

The contractor shall provide the following deliverables:

- Quality Assurance plan in accordance with CDRL A003
- Reports in accordance with CDRL A00K.

4.8 Task H – Business Operation Support Services

The contractor shall analyze fiscal funding profiles, master plans for resource allocations, and provide recommendations to the Government to assist in SCC cost recovery.

The contractor shall prepare logistics support documents, costs estimates and recommendations to the Government for PTF Service Cost Center cost recovery, including CIP-funded projects.

Critical data, both on-site and at the contractor's facility, shall be maintained in secure storage repositories.

4.9 Task I - Firm Fixed Price Tasking

The contractor shall provide routine maintenance as described below utilizing GFI Section 5, and Applicable Documents Section 3.0. The contractor shall perform preventive maintenance, corrective maintenance, and equipment preservation, calibration, and repair via the following tasks:

- a. The contractor shall generate a written maintenance plan. Major PTF systems are listed in Table 1 List of PTF Facilities The maintenance plan shall include a maintenance log for each piece of equipment within the PTF that requires periodic maintenance. The maintenance plan shall include a master test/maintenance log which lists all Logs being kept and must be readably available to government personnel.
- b. The contractor shall maintain all systems in the PTF complex in accordance with the maintenance plan of (a) above. Corrective maintenance is covered by Section 4.2 Task B – Maintenance Services. Major PTF systems are listed in Table 1 List of PTF Facilities.
- c. The contractor shall generate a monthly maintenance report that identifies all routine and corrective maintenance performed.
- d. The contractor shall maintain all IT equipment to the IA Level 1 architecture standard in accordance with Applicable Documents 3.1.7 and 3.1.8.
- e. The contractor shall maintain Eye Washes in accordance with Applicable Documents 3.2.5 and 3.6.5. Typically, 5 of the 15 are out of service and do not require periodic maintenance.
- f. The contractor shall provide monthly usage reports of fuel used in Nitrous Oxide (NOX) producing combustion processes in accordance with Applicable Documents 3.6.13.
- g. The contractor shall provide monthly usage reports of water discharges for each permitted processes in accordance with Applicable Documents 3.6.13.
- h. The contractor shall maintain inventory control of required operating supplies and equipment for the experimental test facilities.
- i. The contractor shall establish procedures for property control, acquisition, receiving, storage, inventory, shipping, and disposition of material and equipment.
- j. The contractor shall develop and maintain a Configuration Management plan for Facility Systems, Software, Drawings, Test Plans, and documentation, in accordance with Applicable Documents 3.1.9.
- k. The contractor shall prepare bi-weekly ODC and Manpower Expenditure reports. These reports shall delineate the work accomplished by task hours expended by each labor category for each task and the weekly, monthly, and cumulative expenditures on each specific task. The contractor shall identify its plans for the next week and month.
- l. The contractor shall provide a monthly email identifying actions and non-actions on the following CDRLs:
 - A001
 - A002
 - A003
 - A005

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A006
A007
A008
A009
A00A
A00B
A00C
A00D
A00E
A00F
A00G
A00K
A00L
A00M

4.9.1 Schedule/Deliverables

The contractor shall provide the following deliverables:

- Maintenance Plan (a above) in accordance with CDRL A003
- Monthly Maintenance Report (c above) in accordance with CDRL A004.
- Monthly Usage reports (e and f above) in accordance with CDRL A00J
- Configuration Management plan (i above) in accordance with CDRL A00L.
- Bi-weekly ODC and Manpower Expenditure reports (j above) in accordance with CDRL A00H.
- Monthly CDRL Status Report (k above) in accordance with CDRL A00N

5 GOVERNMENT FURNISHED INFORMATION

5.1 PTF GFI

- 5.1.1 Facility drawings.
- 5.1.2 Facility drawings database
- 5.1.3 Facility test database
- 5.1.4 Facility Logistics Database
- 5.1.5 PTF Library Database
- 5.1.6 PTF Electronic Engineering notebook Data Base
- 5.1.7 PTF Task Request Database
- 5.1.8 PTF Engineering Change Request Database (i.e., instrumentation, engineering change request, test summary, test equipment, electronic engineering notebook) and drawing databases
- 5.1.9 PTF Instrumentation Database
- 5.1.10 View graphs and notes
- 5.1.11 PTF Point to Point Wiring Diagrams (PTPWD)

5.2 NAVSEA Instructions

- 5.2.1 NAVSEA OP 2173 Approved Handling Equipment for Weapons and Explosives
- 5.2.2 NAVSEA OP 4020 Torpedo MK 48 All Mods Weapon System Description
- 5.2.3 NAVSEA OP 4023 Torpedo MK 48 Mod 4 Description
- 5.2.4 NAVSEA OP 4024 Torpedo Mark 48 Mod 4 Intermediate Maintenance Activity, Technical Manual - Assembly, Test, and Turnaround Procedures (Volume 1, Parts 1 & 2)
- 5.2.5 NAVSEA OP 4024 Intermediate: Maintenance Activity, Torpedo MK 48 All Mods with Exercise Head MK 88 Mod 4, RAA On-Line Assembly, Test, and Turnaround Procedures (Part 3)
- 5.2.6 NAVSEA OP 4024 Intermediate Maintenance Activity, Troubleshooting Procedures (Parts 1 & 2)
- 5.2.7 NAVSEA OP 4025 System Test Set MK 541 Mod 1, Maintenance (Vol. 11, Parts 1 & 2)
- 5.2.8 NAVSEA OP 4025 System Test Set MK 541 Mod 1, Maintenance (Vol. 12, Parts 1 & 2)
- 5.2.9 NAVSEA OP 4027 Ancillary Equipment, Description & Procedures, (Part 1 & 2)
- 5.2.10 PROGRESSIVE DEPOT LEVEL REPAIR (PDLR) WORK INSTRUCTIONS
- 5.2.11 ST890-BD-MMI-010 Torpedo MK 48 ADCAP Fuel Delivery Assembly Test Set Mk 658 Description and Procedures

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5.2.12 SW513-AE-PRO-010 Torpedo MK 48 All Mods Portable Preservative Flushing System General Description and Procedures

5.2.13 ST890-BM-MMD-020 Torpedo Depot/Factory Test Equipment Speed Control Valve Test Set Mk 707 Mods 0 & 1

5.2.14 ST890-BE-MMI-010 Torpedo Mk 48 All Mods Steering Assembly Test Set Mk 659 Mod 0 Description and Procedures

5.2.15 ST890-BJ-PRO-010 Heavyweight Torpedo Ancillary Equipment Description and Procedures Part 1

5.2.16 ST890-BJ-PRO-010 Heavyweight Torpedo Ancillary Equipment Description and Procedures Part 2

5.2.17 SW513-EO-PRO-30 Torpedo Mk 48 All Mods Intermediate Maintenance Activity Piece Part Inspection Procedure

5.2.18 SW513-EO-PRO-40 Technical Manual for Assembly, Test and Turnaround Procedures Torpedo Mark 48 All Mods 6&7 Intermediate Maintenance Activity

5.2.19 SW513-EO-PRO-50 Technical Manual for Assembly, Test and Turnaround Procedures Torpedo Mark 48 All Mods 6&7 Intermediate Maintenance Activity

5.2.20 SW513-EO-PRO-60 Technical Manual for Assembly, Test and Turnaround Procedures Torpedo Mark 48 All Mods 6&7 Intermediate Maintenance Activity

5.2.21 SW513-EO-PRO-70 Illustrated Parts Breakdown Torpedo Mark 48 All Mod 5 and 6 Intermediate Maintenance Activity

5.2.22 SW513-AH-FMS-010 Technical Manual for Assembly, Test and Turnaround Procedures Torpedo Mark 48 Mod 6AT Intermediate Maintenance Activity

5.3 NUWC GFI

5.3.1 NUWCDIVNPT Code 8555 Electronic Document Management System (EDMS3) for Fleet Publications, User's Guide, Functional Description, Configuration Management Plan

5.3.2 NUWCDIVNPT Code 8555 Electronic Document Management System (EDMS3) for Fleet Publications, Change Control System User's Guide

5.3.3 NUWC Configuration Management System

5.4 Propulsion Test Facility (PTF) Manuals

5.4.1 Software User Manual for the Data Acquisition and Instrumentation System (DAISy)

5.4.2 Software Test Description for the Digital Speed Control System (DSCS) Version 2 Operation Manual

5.4.3 Cabling Configuration of MK 48/APS Testing in the Deep Depth Facility, Building 179, Report #85-MK 48-Cable 014

5.4.4 Coaxitron System 2000, Installation & Operation Manual

5.4.5 Clayton Model ED-Series Engine Dynamometer, General Description

5.4.6 Clayton Steam Generator, Instruction Manual

5.4.7 Deep Depth Propulsion Test Facility Description and Operation

5.4.8 Fluidyne Superheater Operating Procedure

5.4.9 High Pressure Seal Oil System, Description

5.4.10 Red Lion Controls Model 515, Rate Multiplier, General Description and Specifications

5.4.11 Reeves Vari-Speed Motordrive, Instruction Manual G-3014-9

5.4.12 Sony Model AVC-3200, Video Camera, Service Manual

5.4.13 Trane Liquid Chiller - Reciprocating Water-Cooled Cold Generator, General Description

5.4.14 VaPower Modulatic Watertube Boiler and Superheater, General Description

5.4.15 Walco Electric 200/400HP Dynamometer Drive System, General Description

5.4.16 Walco Electric Model 6000, Solid State D.C. Drive. General Description

5.4.17 Westinghouse Motoring Dynamometer, I.L. 5600-AV-192A, General Description

5.4.18 National Instruments Crio Controller

5.4.19 FDS Rockwell/Reliance Electric Variable Frequency Drive Controller and Motor

5.4.20 Containment Wall Toshiba Variable Frequency Drive Controller Manual

5.4.21 Neeltran 1 Megawatt DC Power Supply

5.4.22 National Instruments I/O Controller PXI-1031 (DSCS)

5.4.23 Pelco Video Switch Matrix CM6800

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- 5.4.24 Panasonic DVD Recorders DMR-E85H
- 5.4.25 Network Technologies Veemux VGA Switch Matrix
- 5.4.26 RGB Spectrum Quadview Display Controller
- 5.4.27 Allen And Heath Audio Mixer WZ16:2 DX
- 5.4.28 Mine Safety Appliance Gas Monitoring System Model 6500
- 5.4.29 Misonix Mystaire Separator System
- 5.4.30 C&M Technologies Closing Fixture Controller
- 5.4.31 National Instruments PXI (PXIE-1075)
- 5.4.32 Gas Monitoring System (RKI)

6 QUALITY SURVEILLANCE AND 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 performance will be evaluated in the areas of technical quality, responsiveness, safety, timeliness and cost. Technical quality will be evaluated against the performance standards defined in the Performance Requirements Summary Table. Responsiveness will be evaluated based upon the government's experience interacting with the contractor during performance. Timeliness will be evaluated based on the contractor's ability to meet CDRL schedules with minimal variance. Cost will be evaluated based upon the contractor's ability to manage to the negotiated costs. Safety will be evaluated against the performance standards defined in the Performance Requirements Summary Table.

-----END STATEMENT OF WORK-----

The following Clauses are incorporated by Full Text:

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>.

HQ C-1-0001 ITEM(S) 7000 - 7999 - 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-2-0002 ACCESS TO PROPRIETARY DATA OR COMPUTER SOFTWARE (NAVSEA) (JUN 1994)

(a) Performance under this contract may require that the Contractor have access to technical data, computer software, or other sensitive data of another party who asserts that such data or software is proprietary. If access to such data or software is required or to be provided, the Contractor shall enter into a written agreement with such party prior to gaining access to such data or software. The agreement shall address, at a minimum, (1) access to, and use of, the proprietary data or software exclusively for the purposes of performance of the work required by this contract, and (2) safeguards to protect such

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data or software from unauthorized use or disclosure for so long as the data or software remains proprietary. In addition, the agreement shall not impose any limitation upon the Government or its employees with respect to such data or software. A copy of the executed agreement shall be provided to the Contracting Officer. The Government may unilaterally modify the contract to list those third parties with which the Contractor has agreement(s).

(b) The Contractor agrees to: (1) indoctrinate its personnel who will have access to the data or software as to the restrictions under which access is granted; (2) not disclose the data or software to another party or other Contractor personnel except as authorized by the Contracting Officer; (3) not engage in any other action, venture, or employment wherein this information will be used, other than under this contract, in any manner inconsistent with the spirit and intent of this requirement; (4) not disclose the data or software to any other party, including, but not limited to, joint venturer, affiliate, successor, or assign of the Contractor; and (5) reproduce the restrictive stamp, marking, or legend on each use of the data or software whether in whole or in part.

(c) The restrictions on use and disclosure of the data and software described above also apply to such information received from the Government through any means to which the Contractor has access in the performance of this contract that contains proprietary or other restrictive markings.

(d) The Contractor agrees that it will promptly notify the Contracting Officer of any attempt by an individual, company, or Government representative not directly involved in the effort to be performed under this contract to gain access to such proprietary information. Such notification shall include the name and organization of the individual, company, or Government representative seeking access to such information.

(e) The Contractor shall include this requirement in subcontracts of any tier which involve access to information covered by paragraph (a), substituting "subcontractor" for "Contractor" where appropriate.

(f) Compliance with this requirement is a material requirement of this contract.

HQ C-2-0011 COMPUTER SOFTWARE AND/OR COMPUTER DATABASE(S) DELIVERED TO AND/OR RECEIVED FROM THE GOVERNMENT (NAVSEA) (APR 2004)

(a) The Contractor agrees to test for viruses all computer software and/or computer databases, as defined in the clause entitled "RIGHTS IN NONCOMMERCIAL COMPUTER SOFTWARE AND NONCOMMERCIAL COMPUTER SOFTWARE DOCUMENTATION" (DFARS 252.227-7014), before delivery of that computer software or computer database in whatever media and on whatever system the software is delivered. The Contractor warrants that any such computer software and/or computer database will be free of viruses when delivered.

(b) The Contractor agrees to test any computer software and/or computer database(s) received from the Government for viruses prior to use under this contract.

(c) Unless otherwise agreed in writing, any license agreement governing the use of any computer software to be delivered as a result of this contract must be paid-up and perpetual, or so nearly perpetual as to allow the use of the computer software or computer data base with the equipment for which it is obtained, or any replacement equipment, for so long as such equipment is used. Otherwise the computer software or computer database does not meet the minimum functional requirements of this contract. In the event that there is any routine to disable the computer software or computer database after the software is developed for or delivered to the Government, that routine shall not disable the computer software or computer database until at least twenty-five calendar years after the delivery date of the affected computer software or computer database to the Government.

(d) No copy protection devices or systems shall be used in any computer software or computer database delivered under this contract to restrict or limit the Government from making copies. This does not prohibit license agreements from specifying the maximum amount of copies that can be made.

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(e) Delivery by the Contractor to the Government of certain technical data and other data is now frequently required in digital form rather than as hard copy. Such delivery may cause confusion between data rights and computer software rights. It is agreed that, to the extent that any such data is computer software by virtue of its delivery in digital form, the Government will be licensed to use that digital-form data with exactly the same rights and limitations as if the data had been delivered as hard copy.

(f) Any limited rights legends or other allowed legends placed by a Contractor on technical data or other data delivered in digital form shall be digitally included on the same media as the digital-form data and must be associated with the corresponding digital-form technical data to which the legends apply to the extent possible. Such legends shall also be placed in human-readable form on a visible surface of the media carrying the digital-form data as delivered, to the extent possible.

HQ C-2-0015 DATE/TIME PROCESSING REQUIREMENT - INFORMATION TECHNOLOGY (NAVSEA) (SEP 2009)

(a) All information technology (IT), whether commercial or noncommercial, delivered under this contract that will be required to perform date/time processing involving dates subsequent to December 31, 1999, shall be Year 2000 compliant if properly installed, operated, and maintained in accordance with the contract specifications and applicable documentation. If the contract requires that specific deliverables operate together as a system, this requirement shall apply to those deliverables as a system.

(b) "Information Technology" or "IT," as used in this requirement, means "information technology" as that term is defined at FAR 2.101, and further including those items that would otherwise be excluded by paragraph (c) of that definition. "Year 2000 compliant" (as defined at FAR 39.002) means that the IT accurately processes date/time data (including, but not limited to, calculating, comparing, and sequencing) from, into, and between the twentieth and twenty-first centuries, and the years 1999 and 2000 and leap year calculations, to the extent that other IT, used in combination with the IT being delivered, properly exchanges date/time data with it. The "proper exchange" of date/time data shall be in accordance with the interface requirements specification(s) of the contract.

(c) For line item deliverables which are commercial items (as defined at FAR 2.101), and which include commercial IT, the terms and conditions of the standard commercial warranty covering such commercial IT shall apply in addition to, and to the extent such terms and conditions are consistent with, this requirement. Any applicable commercial warranty shall be incorporated into this contract by attachment.

(d) Notwithstanding any provision to the contrary in any other warranty of this contract, or in the absence of any such warranty(ies), the remedies available to the Government under this requirement shall include those provided in the Inspection clause(s) of this contract. Nothing in this requirement shall be construed to limit any rights or remedies the Government may otherwise have under this contract.

(e) Unless specified elsewhere in the contract, the Contractor will also deliver to the Government a report summarizing any Year 2000 compliance testing that was performed, and the results thereof.

(f) The remedies available to the Government for noncompliance with this requirement shall remain available for one hundred eighty (180) days after acceptance of the last deliverable IT item under this contract (including any option exercised hereunder).

HQ C-2-0032 INFORMATION AND DATA FURNISHED BY THE GOVERNMENT - ALTERNATE II (NAVSEA)(SEP 2009)

(a) NAVSEA Form 4340/2 or Schedule C, as applicable, Government Furnished Information, attached hereto, incorporates by listing or specific reference, all the data or information which the Government has provided or will provide to the Contractor except for:

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(1) The specifications set forth in Section C, and

(2) Government specifications, including drawings and other Government technical documentation which are referenced directly or indirectly in the specifications set forth in Section C and which are applicable to this contract as specifications, and which are generally available and provided to Contractors or prospective Contractors upon proper request, such as Federal or Military Specifications, and Standard Drawings, etc.

(b) Except for the specifications referred to in subparagraphs (a)(1) and (2) above, the Government will not be obligated to provide to the Contractor any specification, drawing, technical documentation or other publication which is not listed or specifically referenced in NAVSEA Form 4340/2 or Schedule C, as applicable, notwithstanding anything to the contrary in the specifications, the publications listed or specifically referenced in NAVSEA Form 4340/2 or Schedule C, as applicable, the clause entitled "GOVERNMENT PROPERTY" (FAR 52.245-1) or "GOVERNMENT PROPERTY INSTALLATION OPERATION SERVICES " (FAR 52.245-2), as applicable, or any other term or condition of this contract.

(c) (1) The Contracting Officer may at any time by written order:

(i) delete, supersede, or revise, in whole or in part, data listed or specifically referenced in NAVSEA Form 4340/2 or Schedule C, as applicable; or

(ii) add items of data or information to NAVSEA Form 4340/2 or Schedule C, as applicable; or

(iii) establish or revise due dates for items of data or information in NAVSEA Form 4340/2 or Schedule C, as applicable.

(2) If any action taken by the Contracting Officer pursuant to subparagraph (c)(1) immediately above causes an increase or decrease in the costs of, or the time required for, performance of any part of the work under this contract, the contractor may be entitled to an equitable adjustment in the contract amount and delivery schedule in accordance with the procedures provided for in the "CHANGES" clause of this contract.

HQ C-2-0034 MINIMUM INSURANCE REQUIREMENTS (NAVSEA) (SEP 1990)

In accordance with the clause of this contract entitled "INSURANCE--WORK ON A GOVERNMENT INSTALLATION" (FAR 52.228-5), the Contractor shall procure and maintain insurance, of at least the kinds and minimum amounts set forth below:

(a) Workers' Compensation and Employer's Liability coverage shall be at least \$100,000, except as provided in FAR 28.307(a).

(b) Bodily injury liability insurance coverage shall be written on the comprehensive form of policy of at least \$500,000 per occurrence.

(c) Automobile Liability policies covering automobiles operated in the United States shall provide coverage of at least \$200,000 per person and \$500,000 per occurrence for bodily injury and \$20,000 per occurrence for property damage. The amount of liability coverage on other policies shall be commensurate with any legal requirements of the locality and sufficient to meet normal and customary claims.

HQ C-2-0037 ORGANIZATIONAL CONFLICT OF INTEREST (NAVSEA) (JUL 2000)

(a) "Organizational Conflict of Interest" means that because of other activities or relationships with other persons, a person is unable or potentially unable to render impartial assistance or advice to the Government, or the person's objectivity in performing the contract work is or might be otherwise impaired, or a person has an unfair

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competitive advantage. "Person" as used herein includes Corporations, Partnerships, Joint Ventures, and other business enterprises.

(b) The Contractor warrants that to the best of its knowledge and belief, and except as otherwise set forth in the contract, the Contractor does not have any organizational conflict of interest(s) as defined in paragraph (a).

(c) It is recognized that the effort to be performed by the Contractor under this contract may create a potential organizational conflict of interest on the instant contract or on a future acquisition. In order to avoid this potential conflict of interest, and at the same time to avoid prejudicing the best interest of the Government, the right of the Contractor to participate in future procurement of equipment and/or services that are the subject of any work under this contract shall be limited as described below in accordance with the requirements of FAR 9.5.

(d) (1) The Contractor agrees that it shall not release, disclose, or use in any way that would permit or result in disclosure to any party outside the Government any information provided to the Contractor by the Government during or as a result of performance of this contract. Such information includes, but is not limited to, information submitted to the Government on a confidential basis by other persons. Further, the prohibition against release of Government provided information extends to cover such information whether or not in its original form, e.g., where the information has been included in Contractor generated work or where it is discernible from materials incorporating or based upon such information. This prohibition shall not expire after a given period of time.

(2) The Contractor agrees that it shall not release, disclose, or use in any way that would permit or result in disclosure to any party outside the Government any information generated or derived during or as a result of performance of this contract. This prohibition shall expire after a period of three years after completion of performance of this contract.

(3) The prohibitions contained in subparagraphs (d)(1) and (d)(2) shall apply with equal force to any affiliate of the Contractor, any subcontractor, consultant, or employee of the Contractor, any joint venture involving the Contractor, any entity into or with which it may merge or affiliate, or any successor or assign of the Contractor. The terms of paragraph (f) of this Special Contract Requirement relating to notification shall apply to any release of information in contravention of this paragraph (d).

(e) The Contractor further agrees that, during the performance of this contract and for a period of three years after completion of performance of this contract, the Contractor, any affiliate of the Contractor, any subcontractor, consultant, or employee of the Contractor, any joint venture involving the Contractor, any entity into or with which it may subsequently merge or affiliate, or any other successor or assign of the Contractor, shall not furnish to the United States Government, either as a prime contractor or as a subcontractor, or as a consultant to a prime contractor or subcontractor, any system, component or services which is the subject of the work to be performed under this contract. This exclusion does not apply to any recompetition for those systems, components or services furnished pursuant to this contract. As provided in FAR 9.505-2, if the Government procures the system, component, or services on the basis of work statements growing out of the effort performed under this contract, from a source other than the contractor, subcontractor, affiliate, or assign of either, during the course of performance of this contract or before the three year period following completion of this contract has lapsed, the Contractor may, with the authorization of the cognizant Contracting Officer, participate in a subsequent procurement for the same system, component, or service. In other words, the Contractor may be authorized to compete for procurement(s) for systems, components or services subsequent to an intervening procurement.

(f) The Contractor agrees that, if after award, it discovers an actual or potential organizational conflict of interest, it shall make immediate and full disclosure in writing to the Contracting Officer. The notification shall include a description of the actual or potential organizational conflict of interest, a description of the action which the Contractor has taken or proposes to take to avoid, mitigate, or neutralize the conflict, and any other relevant information that would assist the Contracting Officer in making a determination on this matter. Notwithstanding this notification, the Government may terminate the contract for the convenience of the Government if determined to be in the best interest of the Government.

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(g) Notwithstanding paragraph (f) above, if the Contractor was aware, or should have been aware, of an organizational conflict of interest prior to the award of this contract or becomes, or should become, aware of an organizational conflict of interest after award of this contract and does not make an immediate and full disclosure in writing to the Contracting Officer, the Government may terminate this contract for default.

(h) If the Contractor takes any action prohibited by this requirement or fails to take action required by this requirement, the Government may terminate this contract for default.

(i) The Contracting Officer's decision as to the existence or nonexistence of an actual or potential organizational conflict of interest shall be final.

(j) Nothing in this requirement is intended to prohibit or preclude the Contractor from marketing or selling to the United States Government its product lines in existence on the effective date of this contract; nor, shall this requirement preclude the Contractor from participating in any research and development or delivering any design development model or prototype of any such equipment. Additionally, sale of catalog or standard commercial items are exempt from this requirement.

(k) The Contractor shall promptly notify the Contracting Officer, in writing, if it has been tasked to evaluate or advise the Government concerning its own products or activities or those of a competitor in order to ensure proper safeguards exist to guarantee objectivity and to protect the Government's interest.

(l) The Contractor shall include this requirement in subcontracts of any tier which involve access to information or situations/conditions covered by the preceding paragraphs, substituting "subcontractor" for "contractor" where appropriate.

(m) The rights and remedies described herein shall not be exclusive and are in addition to other rights and remedies provided by law or elsewhere included in this contract.

(n) Compliance with this requirement is a material requirement of this contract.

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.

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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.

HQ C-2-0065 SOFTWARE DEVELOPMENT REQUIREMENTS (NAVSEA) (DEC 2006) (MODIFIED) (SEP 2012)

(a) The contractor shall define a general Software Development Plan (SDP) appropriate for the computer software effort to be performed under this contract. The SDP shall, at a minimum:

(1) Define the contractor's proposed life cycle model and the processes used as a part of that model. In this context, the term "life cycle model" is as defined in IEEE Std. 12207:2008;

(2) Contain the information defined by ISO/IEC/IEEE 15289:2011, section 7.3 (generic content) and the Mapping of ISO/IEC 12207:2008 (IEEE Std. 12207:2008) Clauses to Information Items for Each Software Life Cycle Process in Table 2 of ISO/IEC/IEEE 15289:2011. In all cases, the level of detail shall be sufficient to define all software development processes, activities, and tasks to be conducted;

(3) Identify the specific standards, methods, tools, actions, strategies, and responsibilities associated with development and qualification;

(4) Document all processes applicable to the system to be acquired, including the Primary, Supporting, and Organizational life cycle processes as defined by IEEE Std. 12207:2008 as appropriate. Such processes shall be equivalent to those articulated by CMMI@;

(5) Include the content defined by all information items listed in Table 2 of ISO/IEC/IEEE 15289:2011, as appropriate for the system and be consistent with the processes proposed by the developers;

(6) Adhere to the characteristics defined in section 6.1 ISO/IEC/IEEE 15289:2011, as appropriate;

(7) Describe the overall life cycle and include primary, supporting, and organizational processes based on the work content of this contract;

(8) Be in accordance with the framework defined in IEEE Std. 12207:2008, including, but not limited to, defining the processes, the activities to be performed as a part of the processes, the tasks which support the activities, and the techniques and tools to be used to perform the tasks;

(9) Contain a level of information sufficient to allow the use of the SDP as the full guidance for the developers. In accordance with 7.3 of ISO/IEC/IEEE 15289:2011, such information shall at a minimum contain, specific standards, methods, tools, actions, reuse strategy, and responsibility associated with the development and qualification of all requirements, including safety and security.

(b) The SDP shall be delivered to the Government for concurrence under CDRL and shall not vary significantly from that proposed to the Government for evaluation for award. The contractor shall follow the Government concurred with SDP for all computer software to be developed or maintained under this effort. Any changes, modifications, additions or substitutions to the SDP also require prior Government concurrence.

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C16S COST AND PERFORMANCE REPORTING (OCT 2012) *Applicable to CLINs 7100, 7200, 7300, 7400, 7500, 9100, 9200, 9300, 9400, 9500*

(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: <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 Section G – Clause HQ G-2-2009 and DFAR 252.232-7006.

(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.

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(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 NUWCDIVNPT Code 59.

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

C25S ACCESS TO GOVERNMENT SITE (OCT 2009)

(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 NACLIC.

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

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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%20ISO14001_2009%20Training.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 2012)

(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 DoD Instruction 8582.01 – 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/858201p.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.

(c) Contractor personnel that have not been briefed on DoD Instruction 8582.01 – 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.

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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).

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SECTION D PACKAGING AND MARKING

The following Clauses are incorporated by Full Text:

HQ D-1-0001 DATA PACKAGE 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-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-2-0007 MARKING AND PACKING LIST(S) - ALTERNATE I (NAVSEA) (APR 2015)

(a) Marking. Shipments, shipping containers and palletized unit loads shall be marked in

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accordance with MIL-STD-129R dated 18 February 2014.

(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 in accordance with the above cited MIL-STD. 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 DD Form 1348-1 or DD Form 1348-1A is applicable and an 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. Refer to the above cited MIL-STD for marking of assorted (related-unrelated) items.

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**
- (2) contract number**
- (3) contract dollar amount**
- (4) (Name of Requiring Activity) Naval Undersea Warfare Center Division Newport
(City and State) Newport, Rhode Island**

UW D-2-0001 MARK FOR INFORMATION (AUG 2017)

(a) The Contractor shall include the following "Mark For" information clearly marked on all packages (or items themselves if they are not packaged) delivered under this contract/order:

Receiving Officer, Naval Station Newport

47 Chandler street

Newport, RI, 02841-1716

Mark For:

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SECTION E INSPECTION AND ACCEPTANCE

The following Clauses are incorporated by Reference:

52.246-4 INSPECTION OF SERVICES – FIXED PRICE (AUG 1996)

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 SERVICES

Item(s) (7000 series and 8000 series) - Inspection and acceptance shall be made by the Contracting Officer's Representative (COR) or a designated representative of the Government.

HQ E-2-0014 QUALITY IN SOFTWARE DEVELOPMENT AND PRODUCTION (NAVSEA) (MAY 1995)

Quality in Software Development and Production: The contractor's software quality program shall be an integral part of the overall Quality Assurance Program. Software quality program controls shall be applicable to all project software that is developed, maintained, or modified within the following categories:

- (a) All deliverable software
- (b) All deliverable software that is included as part of deliverable hardware or firmware.
- (c) Non deliverable software (commercially available or user-developed) used for development, fabrication, testing, or acceptance of deliverable software or hardware (includes automated fabrication, test, and inspection/acceptance equipment software and software design, test, and inspection tools).
- (d) Commercially available, reusable, or Government software designated as part of a deliverable item.

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SECTION F DELIVERABLES OR PERFORMANCE

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

7100	5/8/2015 - 5/7/2016
7200	5/9/2016 - 5/7/2017
7201AA	5/9/2016 - 5/7/2017
7201AB	7/19/2016 - 5/7/2017
7201AC	8/26/2016 - 5/7/2017
7201AD	12/30/2016 - 5/7/2017
7300	5/8/2017 - 5/7/2018
7301AA	5/8/2017 - 5/7/2018
7301AB	10/26/2017 - 5/7/2018
7301AC	2/23/2018 - 5/7/2018
8100	5/8/2015 - 11/7/2015
8110	11/8/2015 - 5/7/2016
8200	5/9/2016 - 11/7/2016
8210	11/8/2016 - 5/7/2017
8300	5/8/2017 - 11/7/2017
8310	11/8/2017 - 5/7/2018
9100	5/8/2015 - 5/7/2016
9200	5/9/2016 - 5/7/2017
9201AA	5/9/2016 - 5/7/2017
9201AB	7/19/2016 - 5/7/2017
9201AC	8/26/2016 - 5/7/2017
9201AD	12/30/2016 - 5/7/2017
9300	5/8/2017 - 5/7/2018
9301AA	5/8/2017 - 5/7/2018
9301AB	10/26/2017 - 5/7/2018
9301AC	2/23/2018 - 5/7/2018

The following Clauses are incorporated by Full Text:

F1S PERIOD OF PERFORMANCE (JUN 2010)

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

CLIN	Funding Type	Base or Option #	Performance Period
7100/9100	SCC, CIP, WPN	Base	5/8/2015 - 5/7/2016
8100	SCC	Base	5/8/2015 - 11/7/2015
8110	SCC	Option 1	11/8/2015 - 5/7/2016
7200/9200	SCC, CIP, WPN	Option 2	5/9/2016 - 5/7/2017

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8200	SCC	Option 3	5/9/2016 - 11/7/2016
8210	SCC	Option 4	11/8/2016 - 5/7/2017
7300/9300	SCC, CIP, WPN	Option 5	5/8/2017 - 5/7/2018
8300	SCC	Option 6	5/8/2017 - 11/7/2017
8310	SCC	Option 7	11/8/2017 - 5/7/2018*
7400/9400	SCC, CIP, WPN	Option 8	5/8/2018 - 5/7/2019*
8400	SCC	Option 9	5/8/2018 - 11/7/2018*
8410	SCC	Option 10	11/8/2018 - 5/7/2019*
7500/9500	SCC, CIP, WPN	Option 11	5/8/2019 - 5/7/2020*
8500	SCC	Option 12	5/8/2019 - 11/7/2019*
8510	SCC	Option 13	11/8/2019 - 5/7/2020*

* 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 3 months.

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.

F30S PLACE OF PERFORMANCE (APR 2005)

Work will be performed at NUWC DIVNPT, or other government locations, as required by the statement of work and specifically clarified in Technical Instructions.

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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.

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

(a) *Definitions.* As used in this clause—

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

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

“Local processing office (LPO)” is the office responsible for payment certification when payment certification is done external to the entitlement system.

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

(c) *WAWF access.* To access WAWF, the Contractor shall—

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

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

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

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

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

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

7000 & 9000 series CLINs: **COST VOUCHER**

8000 series CLINs: **INVOICE AND RECEIVING REPORT COMBO**

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

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

NOT APPLICABLE

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

*Routing Data Table**

7000 & 9000 Series CLINs:

<i>Field Name in WAWF</i>	<i>Data to be entered in WAWF</i>
<i>Pay Official DoDAAC</i>	HQ0337
<i>Issue By DoDAAC</i>	N66604
<i>Admin DoDAAC</i>	S0701A
<i>Inspect By DoDAAC</i>	<i>Not Applicable</i>
<i>Ship To Code</i>	<i>Not Applicable</i>
<i>Ship From Code</i>	<i>Not Applicable</i>
<i>Mark For Code</i>	<i>Not Applicable</i>
<i>Service Approver (DoDAAC)</i>	<i>Not Applicable</i>
<i>Service Acceptor (DoDAAC)</i>	N66604
<i>Accept at Other DoDAAC</i>	<i>Not Applicable</i>
<i>LPO DoDAAC</i>	<i>Not Applicable</i>
<i>DCAA Auditor DoDAAC</i>	HAA50W
<i>Other DoDAAC(s)</i>	<i>Not Applicable</i>

<i>Field Name in WAWF</i>	<i>Data to be entered in WAWF</i>
<i>Pay Official DoDAAC</i>	HQ0337
<i>Issue By DoDAAC</i>	N66604
<i>Admin DoDAAC</i>	S0701A
<i>Inspect By DoDAAC</i>	<i>Not Applicable</i>
<i>Ship To Code</i>	<i>Not Applicable</i>
<i>Ship From Code</i>	<i>Not Applicable</i>
<i>Mark For Code</i>	<i>Not Applicable</i>
<i>Service Approver (DoDAAC)</i>	<i>Not Applicable</i>
<i>Service Acceptor (DoDAAC)</i>	N66604
<i>Accept at Other DoDAAC</i>	<i>Not Applicable</i>
<i>LPO DoDAAC</i>	<i>Not Applicable</i>
<i>DCAA Auditor DoDAAC</i>	HAA50W
<i>Other DoDAAC(s)</i>	<i>Not Applicable</i>

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

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

Jerry McCauley, 401-832-2897, jerome.mccauley@navy.mil

(g) *WAWF point of contact.*

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

Jerry Palmer, 401-832-4964, gerard.palmer@navy.mil

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

HQ G-2-0009 SUPPLEMENTAL INSTRUCTIONS REGARDING ELECTRONIC INVOICING (NAVSEA) (SEP 2012)

(a) The Contractor agrees to segregate costs incurred under this contract/task order (TO), as applicable, at the lowest level of performance, either at the technical instruction (TI), subline item number (SLIN), or contract line item number (CLIN) level, rather than on a total contract/TO basis, and to submit invoices reflecting costs incurred at that level. Supporting documentation in Wide Area Workflow (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 other direct costs (ODCs), materials, and travel, by TI, SLIN, or CLIN level. For other than firm fixed price subcontractors, 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 (CO) and Contracting Officer Representative (COR). Should the subcontractor lack encryption capability, the subcontractor may also email detailed supporting cost information directly to the CO and COR; or other method as agreed to by the CO.

(b) Contractors submitting payment requests and receiving reports to WAWF using either Electronic Data Interchange (EDI) or Secure File Transfer Protocol (SFTP) shall separately send an email notification to the CO and COR on the same date they submit the invoice in WAWF. No payments shall be due if the contractor does not provide the CO and COR email notification as required herein.

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(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 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]
[REDACTED]
[REDACTED]
[REDACTED]

(d) The Task Order Negotiator is:

[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

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

[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

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

[REDACTED]
Code: 8534
Mailing Address: Naval Undersea Warfare Center, Newport
Building 1302, Rm 105
1176 Howell Street, Newport RI 02841
[REDACTED]

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

[REDACTED]

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SECTION H SPECIAL CONTRACT REQUIREMENTS

The following Clauses are incorporated by Full Text:

5252.202-9101 ADDITIONAL DEFINITIONS (MAY 1993)

As used throughout this contract, the following terms shall have the meanings set forth below:

(a) DEPARTMENT - means the Department of the Navy.

(b) REFERENCES TO THE FEDERAL ACQUISITION REGULATION (FAR) - All references to the FAR in this contract shall be deemed to also reference the appropriate sections of the Defense FAR Supplement (DFARS), unless clearly indicated otherwise.

(c) REFERENCES TO ARMED SERVICES PROCUREMENT REGULATION OR DEFENSE ACQUISITION REGULATION - All references in this document to either the Armed Services Procurement Regulation (ASPR) or the Defense Acquisition Regulation (DAR) shall be deemed to be references to the appropriate sections of the FAR/DFARS.

(d) NATIONAL STOCK NUMBERS - Whenever the term Federal Item Identification Number and its acronym FIIN or the term Federal Stock Number and its acronym FSN appear in the contract, order or their cited specifications and standards, the terms and acronyms shall be interpreted as National Item Identification Number (NIIN) and National Stock Number (NSN) respectively which shall be defined as follows:

(1) National Item Identification Number (NIIN). The number assigned to each approved Item Identification under the Federal Cataloging Program. It consists of nine numeric characters, the first two of which are the National Codification Bureau (NCB) Code. The remaining positions consist of a seven digit non-significant number.

(2) National Stock Number (NSN). The National Stock Number (NSN) for an item of supply consists of the applicable four position Federal Supply Class (FSC) plus the applicable nine position NIIN assigned to the item of supply.

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 0 man-hours are uncompensated effort.

Uncompensated effort is defined as hours provided by personnel in excess of 40 hours per week without additional compensation for such excess work. All other effort is defined as compensated effort. If no effort is indicated in the first sentence of this paragraph, uncompensated effort performed by the Contractor shall not be counted in fulfillment of the level of effort obligations under this contract.

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

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(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 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

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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.

(k) The level of effort for each Contract Line Item Number (CLIN) for this task order is estimated to be performed 100% on-site Government facilities.

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 below. The amount(s) presently available and allotted to this contract for payment of cost for incrementally funded CLINs/SLINs is set forth below. As provided in the clause of this contract entitled "LIMITATION OF FUNDS" (FAR 52.232-22), the CLINs/SLINs covered thereby, and the period of performance for which it is estimated the allotted amount(s) will cover are as follows:

ITEM	ALLOTED TO COST	ALLOTED TO FEE	TOTAL AMOUNT ALLOTED	ESTIMATED PERIOD OF PERFORMANCE
710001	\$746,686.58	\$53,313.42	\$800,000.00	5/8/2015 - 5/7/2016

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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.

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.

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

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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, 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 #: **2005-2467** Revision: **17** Area: **RI (Statewide)**

Wage Determination #: **2015-4111** Revision: **03** Area: **CT (New London County)**

Wage Determination #: **2015-4787** Revision: **02** Area: **IN (Marion County)**

Wage Determination #: **2015-4821** Revision: **03** Area: **IN (Lawrence County)**

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? Example: 1994-2104; or 1994-2114. NO

The site will provide the appropriate WD.

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SECTION I CONTRACT CLAUSES

The following clauses are incorporated by reference in this task order. Applicable clauses incorporated by reference in the basic MAC contract also apply.

a. FAR:

- 52.203-3 Gratuities (APR 1984)**
- 52.203-5 Covenant Against Contingent Fees (MAY 2014)**
- 52.203-6 Restrictions on Subcontractor Sales to the Government (SEP 2006)**
- 52.203-7 Anti-Kickback Procedures (MAY 2014)**
- 52.203-13 Contractor Code of Business Ethics and Conduct (APR 2010)**
- 52.203-17 Contractor Employee Whistleblower Rights and Requirements to Inform Employees of Whistleblower Rights (APR 2014)**
- 52.204-2 Security Requirements (AUG 1996)**
- 52.204-9 Personal Identity Verification of Contractor Personnel (JAN 2011)**
- 52.204-10 Reporting Executive Compensation and First-Tier Subcontract Awards (JUL 2013)**
- 52.204-13 System for Award Management Maintenance (JUL 2013)**
- 52.204-19 Incorporation by Reference of Representations and Certifications (DEC 2014)**
- 52.209-6 Protecting the Government Interest When Subcontracting with Contractors Debarred, Suspended, or Proposed for Debarment (AUG 2013)**
- 52.209-10 Prohibition on Contracting with Inverted Domestic Corporations (DEC 2014)**
- 52.215-22 Limitations on Pass-Through Charges--Identification of Subcontract Effort (OCT 2009)**
- 52.215-23 Limitations on Pass-Through Charges (Oct 2009)**
- 52.216-7 Allowable Cost and Payment (JUN 2013)**
- 52.219-8 Utilization of Small Business Concerns (OCT 2014)**
- 52.219-9 Small Business Subcontracting Plan (OCT 2014)**
- 52.219-14 Limitations on Subcontracting (NOV 2011)**
- 52.219-28 Post-Award Small Business Program Representation (JUL 2013)**
- 52.222-3 Convict Labor (JUN 2003)**
- 52.222-17 Nondisplacement of Qualified Workers (MAY 2014)**

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- 52.222-19 Child Labor - Cooperation with Authorities and Remedies (JAN 2014)**
- 52.222-21 Prohibition of Segregated Facilities (APR 2015)**
- 52.222-26 Equal Opportunity (APR 2015)**
- 52.222-35 Equal Opportunity for Veterans (JUL 2014)**
- 52.222-36 Equal Opportunity for Workers with Disabilities (JUL 2014)**
- 52.222-37 Employment Reports on Veterans (JUL 2014)**
- 52.222-40 Notification of Employee Rights Under the National Labor Relations Act (DEC 2010)**
- 52.222-41 -- Service Contract Labor Standards (May 2014)**
- 52.222-50 Combating Trafficking in Persons (MAR 2015)**
- 52.222-54 Employment Eligibility Verification (AUG 2013)**
- 52.223-3 Hazardous Material Identification and Material Safety Data (JAN 1997)**
- 52.223-5 Pollution Prevention and Right-To-Know Information (MAY 2011)**
- 52.223-18 Contractor Policy to Ban Text Messaging While Driving (AUG 2011)**
- 52.225-13 Restrictions on Certain Foreign Purchases (JUN 2008)**
- 52.225-25 Prohibition on Engaging in Sanctioned Activities Relating to Iran--Certification (DEC 2012)**
- 52.227-1 Authorization and Consent (DEC 2007)**
- 52.227-2 Notice and Assistance Regarding Patent and Copyright Infringement (DEC 2007)**
- 52.227-11 Patent Rights -- Ownership by the Contractor (MAY 2014)**
- 52.232-1 Payments (APR 1984)**
- 52.232-20 Limitation of Cost (APR 1984)**
- 52.232-22 Limitation of Funds (APR 1984)**
- 52.232-39 Unenforceability of Unauthorized Obligations (JUN 2013)**
- 52.232-40 Providing Accelerated Payments to Small Business Subcontractors (DEC 2013)**
- 52.233-3 Alternate I Protest After Award (JUN 1985)**
- 52.233-4 Applicable Law for Breach of Contract Claim (OCT 2004)**
- 52.237-2 Protection of Government Buildings, Equipment, and Vegetation (APR 1984)**
- 52.243-1 Changes--Fixed Price (AUG 1987) Alternate III (Apr 1984)**

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- 52.243-2 Changes - Cost Reimbursement (AUG 1987)**
- 52.244-6 Subcontracts for Commercial Items (APR 2015)**
- 52.245-1 Government Property (APR 2012)**
- 52.245-9 Use and Charges (APR 2012)**
- 52.246-4 Inspection of Services -- Fixed-Price (AUG 1996)**
- 52.246-5 Inspection of Services--Cost-Reimbursement (APR 1984)**
- 52.246-23 Limitation of Liability (FEB 1997)**
- 52.246-25 Limitation of Liability - Services (FEB 1997)**
- 52.249-2 Termination for Convenience of the Government (Fixed-Price) (Apr 2012)**
- 52.249-6 Termination (Cost Reimbursement)(MAY 2004)**
- 52.249-8 Default (Fixed-Price Supply and Service) (Apr 1984)**
- 52.251-1 Government Supply Sources (APR 2012)**

- b. DFARs:**
- 252.201-7000 Contracting Officer's Representative (DEC 1991)**
- 252.203-7000 Requirements Relating to Compensation of Former DoD Officials (SEP 2011)**
- 252.203-7002 Requirement to Inform Employees of Whistleblower Rights (SEP 2013)**
- 252.203-7003 Agency Office of the Inspector General (DEC 2012)**
- 252.203-7005 Representation Relating to Compensation of Former DoD Officials (NOV 2011)**
- 252.204-7000 Disclosure of Information (AUG 2013)**
- 252.204-7003 Control of Government Personnel Work Product (APR 1992)**
- 252.204-7004 Alternate A System for Award Management (FEB 2014)**
- 252.204-7005 Oral Attestation of Security Responsibilities (NOV 2001)**
- 252.204-7012 Safeguarding Covered Defense Information and Cyber Incident Reporting (SEP 2015)**
- 252.204-7015 Disclosure of Information to Litigation Support Contractors (Feb 2014)**
- 252.211-7007 Reporting of Government Furnished Property (AUG 2012)**
- 252.219-7003 Small Business Subcontracting Plan (DoD Contracts) Deviation 2013-O0014 (AUG**

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2013)

252.222-7006 Restrictions on the Use of Mandatory Arbitration Agreements (DEC 2010)

252.223-7001 Hazard Warning Labels (DEC 1991)

252.223-7002 Safety Precautions for Ammunition and Explosives (MAY 1994)

252.223-7003 Change in Place of Performance--Ammunition and Explosives (DEC 1991)

252.223-7006 Prohibition on Storage and Disposal of Toxic and Hazardous Materials (SEP 2014)

252.225-7048 Export Controlled Items (Jun 2013)

252.227-7013 Rights in Technical Data -- Non-Commercial Items (MAR 2011)

252.227-7014 Rights in Non-Commercial Computer Software and Non-Commercial Computer Software Documentation (FEB 2014)

252.227-7016 Rights in Bid or Proposal Information (JAN 2011)

252.227-7017 Identification and Assertion of Use, Release, or Disclosure Restrictions (JAN 2011)

252.227-7025 Limitations on the Use or Disclosure of Government-Furnished Information Marked with Restrictive Legends (MAY 2013)

252.227-7039 Patents -- Reporting of Subject Inventions (APR 1990)

252.231-7000 Supplemental Cost Principles (DEC 1991)

252.232-7003 Electronic Submission of Payment Requests and Receiving Reports (JUN 2012)

252.232-7010 Levies on Contract Payments (Dec 2006)

252.235-7010 Acknowledgment of Support and Disclaimer (MAY 1995)

252.235-7011 Final Scientific or Technical Report (NOV 2004)

252.245-7001 Tagging, Labeling, and Marking of Government-Furnished Property (APR 2012)

252.245-7002 Reporting Loss of Government Property (APR 2012)

252.245-7003 Contractor Property Management System Administration (APR 2012)

252.245-7004 Reporting, Reutilization, and Disposal (MAY 2013)

252.246-7000 Material Inspection and Receiving Report (MAR 2008)

The following Clauses are incorporated by Full Text:

52.209-9 Updates of Publicly Available Information Regarding Responsibility Matters (JUL 2013)

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(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 System for Award Management database at <https://www.acquisition.gov> .

(b) As required by section 3010 of the Supplemental Appropriations Act, 2010 (Pub. L. 111-212), all information posted in FAPIS on or after April 15, 2011, except past performance reviews, will be publicly available. FAPIS consists of two segments -

(1) The non-public segment, into which Government officials and the Contractor post information which can only be viewed by -

(i) Government personnel and authorized users performing business on behalf of the Government; or

(ii) The Contractor, when viewing data on itself; and

(2) The publicly-available segment, to which all data in the non-public segment of FAPIS is automatically transferred after a waiting period of 14 calendar days, except for -

(i) past performance review required by subpart 42.15;

(ii) information that was entered prior to April 15, 2011; or

(iii) information that is withdrawn during the 14-calendar-day waiting period by the Government official who posted it in accordance with paragraph (c)(1) of this clause.

(c) The Contractor will receive notification when the Government posts new information to the Contractor's record.

(1) If the Contractor asserts in writing within 7 calendar days, to the Government official who posted the information, that some of the information posted to the non-public segment of FAPIS is covered by a disclosure exemption under the Freedom of Information Act, the Government official who posted the information must within 7 calendar days remove the posting from FAPIS and resolve the issue in accordance with agency Freedom of Information procedures, prior to reposting the releasable information. The Contractor must cite 52.209-9 and request removal within the 7 calendar days of the posting to FAPIS.

(2) The Contractor will also 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) As required by section 3010 of Pub. L. 111-212, all information posted in FAPIS on or after April 15, 2011, except past performance reviews, will be publicly available.

(d) 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.

52.217-9 Option to Extend the Term of the Contract (MAR 2000) (NAVSEA VARIATION) (SEP 2009)

(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

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whether or not it has exercised other options.

7000 and 9000 Series CLINs

Option No.	CLIN	Fund Type	Exercise Date – No Later Than
2	7200 & 9200	SCC, CIP, WPN	5/9/2016
5	7300 & 9300	SCC, CIP, WPN	5/8/2017
8	7400 & 9400	SCC, CIP, WPN	5/8/2018
11	7500 & 9500	SCC, CIP, WPN	5/8/2019

8000 Series CLINs

Option No.	CLIN	Funding Type	Exercise Date -- No Later Than
1	8110	SCC	12/4/2015
3	8200	SCC	5/9/2016
4	8210	SCC	11/8/2016
6	8300	SCC	5/8/2017
7	8310	SCC	11/8/2017
9	8400	SCC	5/8/2018
10	8410	SCC	11/8/2018
12	8500	SCC	5/8/2019
13	8510	SCC	11/8/2019

(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.

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52.222-42 Statement of Equivalent Rates for Federal Hires (MAY 2014)

In compliance with the Service Contract Labor Standards statute 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>

52.244-2 Subcontracts (OCT 2010)

(a) *Definitions.* As used in this clause—

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

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

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

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

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with paragraph (c) or (d) of this clause.

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

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

(2) Is fixed-price and exceeds—

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

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

(d) If the Contractor has an approved purchasing system, the Contractor nevertheless shall obtain the Contracting Officer's written consent before placing the following subcontracts: **Any new subcontracts not approved in the original task order award.**

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

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

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

(iii) Identification of the proposed subcontractor.

(iv) The proposed subcontract price.

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

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

(vii) A negotiation memorandum reflecting -

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

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

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

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

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

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

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

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

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

- (1) Of the acceptability of any subcontract terms or conditions;
- (2) Of the allowability of any cost under this contract; or
- (3) To relieve the Contractor of any responsibility for performing this contract.

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

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

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

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

McLaughlin Research Corporation (MRC)

The Metamorphosis Group (TMG)

(a) Definitions. As used in this clause—

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

“Concatenated unique item identifier” means—

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

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

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

“DoD recognized unique identification equivalent” means a unique identification method that is in commercial use and has been recognized by DoD. All DoD recognized unique identification equivalents are listed at http://www.acq.osd.mil/dpap/pdi/uid/iuid_equivalents.html.

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

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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 enterprise to an item that provides for the differentiation of that item from any other like and unlike item and is never used again within the enterprise.

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

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

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

(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 Number ____.

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(2) The unique item identifier and the component data elements of the DoD unique item identification shall not change over 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 on the item using one of 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), in accordance with ISO/IEC International Standard 15418, Information Technology – EAN/UCC Application Identifiers and Fact Data Identifiers and 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), in accordance with ISO/IEC International Standard 15418, Information Technology – EAN/UCC Application Identifiers and Fact Data Identifiers and 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), in accordance with the 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 coding of messages 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.

(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; DoD recognized unique identification equivalent; and for serialization within the part, lot, or batch number only: original part, lot, or batch number) on items requiring marking by paragraph (c)(1) of this clause, based on the criteria provided in the version of MIL-STD-130, Identification Marking of U.S. Military Property, cited in the contract Schedule.

(ii) The issuing agency code—

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

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

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

- (1) 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).**
- (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).**

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(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).

As prescribed in [239.7103\(a\)](#), use the following clause:

(a) The Contractor shall provide or use only information technology, as specified by the Government, that has been accredited to meet the appropriate information assurance requirements of—

(1) The National Security Agency National TEMPEST Standards (NACSEM No. 5100 or NACSEM No. 5100A, Compromising Emanations Laboratory Test Standard, Electromagnetics (U)); or

(2) Other standards specified by this contract, including the date through which the required accreditation is current or valid for the contract.

(b) Upon request of the Contracting Officer, the Contractor shall provide documentation supporting the accreditation.

(c) The Government may, as part of its inspection and acceptance, conduct additional tests to ensure that information technology delivered under this contract satisfies the information assurance standards specified. The Government may conduct additional tests—

(1) At the installation site or contractor's facility; and

(2) Notwithstanding the existence of valid accreditations of information technology prior to the award of this contract.

(d) Unless otherwise provided in this contract under the Warranty of Supplies or Warranty of Systems and Equipment clause, the Contractor shall correct or replace accepted information technology found to be deficient within 1 year after proper installations.

(1) The correction or replacement shall be at no cost to the Government.

(2) Should a modification to the delivered information technology be made by the Contractor, the 1-year period applies to the modification upon its proper installation.

(3) This paragraph (d) applies regardless of f.o.b. point or the point of acceptance of the deficient information technology.

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

As prescribed in [239.7103\(b\)](#), use the following clause:

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

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information assurance certification requirements, including—

- (1) DoD-approved information assurance workforce certifications appropriate for each category and level as listed in the current version of DoD 8570.01-M; and
 - (2) Appropriate operating system certification for information assurance technical positions as required by DoD 8570.01-M.
- (b) Upon request by the Government, the Contractor shall provide documentation supporting the information assurance certification status of personnel performing information assurance functions.
- (c) Contractor personnel who do not have proper and current certifications shall be denied access to DoD information systems for the purpose of performing information assurance functions.

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SECTION J LIST OF ATTACHMENTS

Attachment #1 CDRLs

Attachment #2 Government Furnished Property List

Attachment #3 DD Form 254 Rev# 3 dated 10 SEP 2015

Attachment #4 Performance Requirements Summary Table