

ORDER FOR SUPPLIES OR SERVICES (FINAL)

1. CONTRACT NO. N00178-14-D-7593		2. DELIVERY ORDER NO. N6449819F3018		3. EFFECTIVE DATE 2019 Sep 19		4. PURCH REQUEST NO. Various		5. PRIORITY DO-A3			
6. ISSUED BY NAVAL SURFACE WARFARE CENTER PHILA NSWCPD Philadelphia PA 19112-1403 Matthew A Riggitano/02 215-897-1943			CODE N64498		7. ADMINISTERED BY NAVAL SURFACE WARFARE CENTER PHILA NSWCPD Philadelphia PA 19112-1403			CODE N64498		8. DELIVERY FOB DESTINATION OTHER <i>(See Schedule if other)</i>	
9. CONTRACTOR Advanced Internet Marketing, Inc. dba GBS Group; The 397 Little Neck Rd Bldg 3300S Suite 204 Virginia Beach VA 23452-5781			CODE 4C581		FACILITY		10. DELIVER TO FOB POINT BY (Date) See Schedule		11. X IF BUSINESS IS <input checked="" type="checkbox"/> SMALL <input type="checkbox"/> SMALL DISADVANTAGED <input type="checkbox"/> WOMEN-OWNED		
14. SHIP TO See Section D			CODE		15. PAYMENT WILL BE MADE BY DFAS Columbus Center, South Entitlement Operations P.O. Box 182264 Columbus OH 43218-2264			CODE HQ0338		MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2.	
16. TYPE OF ORDER	DELIVERY/ CALL	<input checked="" type="checkbox"/>	This delivery order/call is issued on another Government agency or in accordance with and subject to terms and conditions of numbered contract.								
PURCHASE			Reference your _____ furnish the following on terms specified herein. ACCEPTANCE. THE CONTRACTOR HEREBY ACCEPTS THE OFFER REPRESENTED BY THE NUMBERED PURCHASE ORDER AS IT MAY PREVIOUSLY HAVE BEEN OR IS NOW MODIFIED, SUBJECT TO ALL OF THE TERMS AND CONDITIONS SET FORTH, AND AGREES TO PERFORM THE SAME.								
Advanced Internet Marketing, Inc. dba GBS Group; The					Michelle DeArmond Director of Contracts						
NAME OF CONTRACTOR			SIGNATURE			TYPED NAME AND TITLE			DATE SIGNED (YYYYMMDD)		
<input type="checkbox"/> If this box is marked, supplier must sign Acceptance and return the following number of copies:											
17. ACCOUNTING AND APPROPRIATION DATA/LOCAL USE See Schedule											
18. ITEM NO.	19. SCHEDULE OF SUPPLIES/SERVICES				20. QUANTITY ORDERED/ ACCEPTED *	21. UNIT	22. UNIT PRICE		23. AMOUNT		
	See Schedule										
*If quantity accepted by the Government is same as quantity ordered, indicate by X. If different, enter actual quantity accepted below quantity ordered and encircle.				24. UNITED STATES OF AMERICA				25. TOTAL		\$1,563,183.77	
				BY: /s/ Kevin C Hann				26. DIFFERENCES			
				09/19/2019							
				CONTRACTING/ORDERING OFFICER							
27a. QUANTITY IN COLUMN 20 HAS BEEN											
INSPECTED	RECEIVED	ACCEPTED, AND CONFORMS TO THE CONTRACT EXCEPT AS NOTED:									
b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE					c. DATE		d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE				
e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE					28. SHIP NO.		29. D.O. VOUCHER NO.		30. INITIALS		
					PARTIAL		32. PAID BY		33. AMOUNT VERIFIED CORRECT FOR		
f. TELEPHONE		g. E-MAIL ADDRESS			FINAL				34. CHECK NUMBER		
36. I CERTIFY THIS ACCOUNT IS CORRECT AND PROPER FOR PAYMENT.					31. PAYMENT				35. BILL OF LADING NO.		
a. DATE		b. SIGNATURE AND TITLE OF CERTIFYING OFFICER			COMPLETE						
					PARTIAL						
					FULL						
37. RECEIVED AT		38. RECEIVED BY (Print)		39. DATE RECEIVED		40. TOTAL CON-TAINERS		41. S/R ACCOUNT NUMBER		42. S/R VOUCHER NO.	

GENERAL INFORMATION

1. Initial funding for this task order is provided for labor in the amount of [REDACTED] and ODC in the amount of [REDACTED] for a total initial funding amount of [REDACTED]. It is estimated that funding under this order will cover the cost of performance through 19 September 2020.

In accordance with the contract clause 52.232-22, the Government is not obligated to reimburse the contractor for any costs in excess of [REDACTED] unless additional funds are made available and obligated under this order in a subsequent modification. The contractor is not authorized to start performance associated with each line of accounting until the Contracting Officer and Contracting Officer's Representative (COR) receive a signed copy of the respective Technical Instruction from the contractor.

2) Section B and G are revised to add the following:

CLIN	Type of Fund	From (\$)	By (\$)	To (\$)
7006AA	OMN	[REDACTED]	[REDACTED]	[REDACTED]
9006AA	OMN	[REDACTED]	[REDACTED]	[REDACTED]

3) Section G clause entitled "G-232-H001 ALLOTMENT OF FUNDS-BASIC (OCT 2018)" has been revised to read as follows:

ITEM(S)	ALLOTTED TO COST	ALLOTTED TO FEE	PERIOD OF PERFORMANCE
7001AA	[REDACTED]	[REDACTED]	Funding available through 09/18/20
9001AA	[REDACTED]	[REDACTED]	Funding available through 09/18/20

4) The Accounting and Appropriation Data added to Section G is as follows:

7006AA 130081209200001 [REDACTED]
 LLA :
 AA 1791804 8B4B 251 V5Z00 0 050120 2D 000000 A00005279443
 IAW TI #01. 2410(a) Authority is hereby invoked.

9006AA 130081209200002 [REDACTED]
 LLA :
 AA 1791804 8B4B 251 V5Z00 0 050120 2D 000000 A00005279443
 IAW TI #01. 2410(a) Authority is hereby invoked.

BASE Funding [REDACTED]
 Cumulative Funding [REDACTED]

CONTRACT NO. N00178-14-D-7593	DELIVERY ORDER NO. N6449819F3018	PAGE 3 of 3	FINAL
----------------------------------	-------------------------------------	----------------	-------

5) The following subcontractors are approved to provide support under this Task Order:

-QED Systems

-Gibbs & Cox

-GDIT

Negotiated Fees and Pass Through

-The negotiated Prime Contractor fee for Prime Contract Labor is [REDACTED].

-The negotiated Prime Contractor fee for Subcontract Labor is [REDACTED].

-The maximum labor pass through rate (which includes any prime contractor fee applied to subcontractor labor costs) shall not exceed 6.0%

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
7000	R425	Base Year: Engineering and Technical Support Services IAW Section C onboard U.S. Navy and other maritime vessels. From Date of Award through 12 Months After Date of Award. (Fund Type - OM&N) 2410(a) Authority is hereby invoked. (Fund Type - OTHER)	1.0	LO	██████████	██████████	██████████
7001	R425	Option Year 1: Engineering and Technical Support Services IAW Section C Engineering and Technical Support Services IAW Section C, land based and onboard U.S. Navy and other maritime vessels. Option one period is from 13 months after date of award through 24 months thereafter. (Fund Type - TBD). (Fund Type - OTHER) Option	1.0	LO	██████████	██████████	██████████
7002	R425	Option Year 2: Engineering and Technical Support Services IAW Section C, land based and onboard U.S. Navy and other maritime vessels. Option two period is from 25 months after date of award through 36 months thereafter. (Fund Type - TBD). (Fund Type - OTHER) Option	1.0	LO	██████████	██████████	██████████
7003	R425	Option Year 3: Engineering and Technical Support Services IAW Section C, land based and onboard U.S. Navy and other maritime vessels. Option three period is from 37 months after date of award through 48 months thereafter. (Fund Type - TBD). (Fund Type - OTHER) Option	1.0	LO	██████████	██████████	██████████
7004	R425	Option Year 4: Engineering and Technical Support Services IAW Section C, land based and onboard U.S. Navy and other maritime vessels. Option one period is from 49 months after date of award through 60 months thereafter. (Fund Type - TBD). (Fund Type - OTHER) Option	1.0	LO	██████████	██████████	██████████
7006		TI #01 under CLIN 7000.					██████████
7006AA	R425	Funding for TI #01. 2410(a) Authority is hereby invoked. (O&MN,N)	1.0	LO	██████████	██████████	██████████

For ODC Items:

Engineer, Mechanical IV*	EM4	1,160	2,500	1,160	2,500	1,160	2,500	1,160	2,500	1,160	2,500	18,300
<i>Engineer, Mechanical IV* (Overtime)</i>	EM4	100	200	100	200	100	200	100	200	100	200	1,500
Engineer, Mechanical III*	EM3	3,440	0	3,440	0	3,440	0	3,440	0	3,440	0	17,200
<i>Engineer, Mechanical III* (Overtime)</i>	EM3	360	0	360	0	360	0	360	0	360	0	1,800
Engineer, Mechanical II	EM2	2,715	0	2,715	0	2,715	0	2,715	0	2,715	0	13,575
<i>Engineer, Mechanical II (Overtime)</i>	EM2	215	0	215	0	215	0	215	0	215	0	1,075
Engineer, Mechanical I	EM1	3,140	0	3,140	0	3,140	0	3,140	0	3,140	0	15,700
<i>Engineer, Mechanical I (Overtime)</i>	EM1	300	0	300	0	300	0	300	0	300	0	1,500
Analyst, Financial Systems	ANFS	3,000	0	3,000	0	3,000	0	3,000	0	3,000	0	15,000
<i>Analyst, Financial Systems (Overtime)</i>	ANFS	300	0	300	0	300	0	300	0	300	0	1,500
Totals		14,730	3,620	14,730	3,620	14,730	3,620	14,730	3,620	14,730	3,620	91,750

*Denotes Key Labor Category

See SOW Section 15 for a description of man-hour expenditure reporting requirements via the NSWCPD Electronic Cost Reporting and Financial Tracking System (eCRAFT).

CLIN/SLIN STRUCTURE

For proposal purposes, CLINs 7000 (Services) and 9000 (Other Direct Costs) will represent the parent CLINs for the resultant order. For administrative purposes, ceiling amounts under the parent CLINs will be subsequently re-allocated to new CLINs associated with various technical instructions issued and/or appropriation types.

It is noted that your proposal submission shall include a completed "Direct Labor Substantiation" Table with attached supporting documentation. A sample table has been included as an attachment to the RFP. Offerors are to propose on the labor categories and hours estimated provided as the Level of Effort. Offerors who propose other than what is specified may be considered non-responsive.

PAYMENT OF FEE

The Government shall make payments to the Contractor, subject to and in accordance with the clause contained in the base IDIQ contract entitled "HQ B-2-0015 Payments of FEE (Level of Fee)" (NAVSEA) (MAY 1993). Such payments shall be equal to the allowable cost of each invoice submitted by the payable to the Contractor for pursuant to the clause of the base IDIQ entitled "Allowable Cost and Payment", FAR 52.216-7. Total fees paid to the Contractor for performance of work under this task order shall not exceed the fee amount set forth in the task order.

In the event of discontinuance of work under this task order, in accordance with the clause of the IDIQ contract entitled "Limitation of Funds", FAR 52.232-22 or "Limitation of Cost", FAR 52.232-20, as applicable, the fee shall be equitably adjusted by mutual agreement of the parties to reflect the diminution of work. If the adjusted fee is less than the sum of all fee payments made to the Contractor under this task order, the Contractor shall repay the excess amount to the Government. If the adjusted fee exceeds all payments made to the Contractor under this task order, the Government shall be required to pay the Contractor any amount in excess of funds obligated.

SUPPORT COSTS:

Offerors may propose G&A on top of the NTE ODC estimates. However, offerors shall not "back into" the ODC amount. If G&A is not proposed on top of ODCs as part of the cost proposal, it shall not be requested after submission of the proposal or post-award.

SUPPORT COSTS INCLUDING MATERIAL AND TRAVEL AND OTHER DIRECT SUPPORT COSTS, IF ANY, WILL BE REIMBURSED ON THE BASIS OF ACTUAL REASONABLE AND ALLOWABLE COSTS INCURRED PLUS G&A AND/OR MATERIAL HANDLING. **THESE COSTS ARE NOT SUBJECT TO FEE.**

CONTRACT NO. N00178-14-D-7593	DELIVERY ORDER NO. N6449819F3018	PAGE 4 of 40	FINAL
----------------------------------	-------------------------------------	-----------------	-------

B-232-H006 LIMITATION OF COST OR LIMITATION OF FUNDS LANGUAGE (NAVSEA)(OCT 2018)

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.

**B-232-H005 PAYMENTS OF FEE(S)(LEVEL OF EFFORT – ALTERNATE 1)
(NAVSEA) (OCT 2018)**

(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 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.

The negotiated pass through rate established in this Task Order is 6%. The hourly fixed rate established in this Task Order in accordance with HQ B-2-0015 Payment of Fee(s) (Level of Effort-Alternate I) (NAVSEA) (MAY 2010) is:

CLIN 7000- [REDACTED]

CLIN 7100- [REDACTED]

CLIN 7200- [REDACTED]

CLIN 7300- [REDACTED]

CLIN 7400- [REDACTED]

(End of Text)

B-231-H001 TRAVEL COSTS - ALTERNATE I (NAVSEA) (OCT 2018)

(a) Except as otherwise provided herein, the Contractor shall be reimbursed for its actual travel costs in accordance with FAR 31.205-46. The costs to be reimbursed shall be those costs determined to be allowable, allocable and reasonable by the Procuring Contracting Officer, Administrative Contracting Officer or their duly authorized representative, as advised by 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 incidental 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 incidental 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

CONTRACT NO. N00178-14-D-7593	DELIVERY ORDER NO. N6449819F3018	PAGE 5 of 40	FINAL
----------------------------------	-------------------------------------	-----------------	-------

employee's convenience.

(End of Text)

CONTRACT NO. N00178-14-D-7593	DELIVERY ORDER NO. N6449819F3018	PAGE 6 of 40	FINAL
----------------------------------	-------------------------------------	-----------------	-------

SECTION C DESCRIPTIONS AND SPECIFICATIONS

STATEMENT OF WORK FOR

ENGINEERING AND TECHNICAL SUPPORT SERVICES, PROGRAM MANAGEMENT AND LOGISTICS SUPPORT SERVICES FOR HULL, MECHANICAL AND ELECTRICAL (HM&E) SYSTEMS ON U.S. NAVY VESSELS IN SUPPORT OF THE NAVAL SURFACE WARFARE CENTER, PHILADELPHIA DIVISION (NSWCPD), PROPULSION DIVISION 42, MAIN REDUCTION GEAR (MRG), PROPULSOR, SHAFTING SYSTEMS, PROPELLERS AND WATERJET SYSTEMS

1. SCOPE

The overall scope of this Statement of Work is to provide engineering, technical, programmatic, logistics, maintenance, installation, and Life Cycle Management, and systems support for NSWCPD Propulsion Systems. Support will include work for, but not be limited to, Major Programs office, Program Executive Offices (PEO), Propulsion Executive Steering Committee (PESC), 2S COG (Cognizance Symbol), Marine Gas Turbine, Propulsion, Condition Based Maintenance (CBM)/Condition Assessment, Land Based Engineering Sites (LBES), Electric Drive Test Facility (EDTF), Energy Programs, Compatibility Test Facility (CTF), Electric Ships Office, Science & Technology (S&T), Research & Development (R&D), and Hybrid Electric Drive (HED).

1. REQUIREMENTS

The Contractor shall provide engineering, technical, project management, programmatic, logistics, training, and graphics/modeling support for Hull, Mechanical and Engineering (HM&E) and Propulsion systems onboard U.S. Navy ships. The contractor shall be required to provide support to the Propulsion Division, the Program Office and the Program Field Offices. Locations include, but are not limited to: Philadelphia, PA; Norfolk, VA; Mayport, FL; Kings Bay, GA; Pascagoula, MS; Ingleside, TX; Bath, ME; Bangor, WA; Everett, WA; San Diego, CA; Bremerton, WA; and Pearl Harbor, HI. In addition, the contractor shall provide support for the Coast Guard, and to foreign Navies via the Foreign Military Sales (FMS) program. The following outlines Contractor requirements and will be supplemented by specific work statements in individual technical instructions. Technical instructions will vary in the level and complexity of requirements, from the full scope of the technical services of this Statement of Work (SOW) to portions of the SOW only.

2.1. ENGINEERING AND TECHNICAL SUPPORT

2.1.1. Provide engineering and technical services to coordinate parts and equipment repairs with repair depots, and vendors. Develop tech repair standards and develop engineered repair process. Research qualified vendors. Provide engineering consultation for improved supply chain management and performance. Provide technical expertise for process improvements. Provide technical expertise for operation, assessment, repair requirements and performance improvement of 2S COG spares.

2.1.2. Support NSWCPD and Naval Sea Systems Command (NAVSEA) 05 propulsion programs in sparing study initiatives for 2S COG equipment. Review and analyze sparing equations. Ensure Navy instructions are current with industry best practices. Provide technical services to develop technical documentation for management of 2S COG spares. Update existing technical documentation, including sparing study, and NAVSEA Instructions 9245.1A, 9245.1B. Review and update technical manuals and procedures as required. The contractor will work with Commander Navy Regional Maintenance Center (CNRMC) and NAVSEA/NSWCPD to improve the critical spares and critical obsolete component procurement areas of 2S COG.

2.1.3. Provide engineering services for status of various 2S COG propulsion equipment and parts.

CONTRACT NO. N00178-14-D-7593	DELIVERY ORDER NO. N6449819F3018	PAGE 7 of 40	FINAL
----------------------------------	-------------------------------------	-----------------	-------

Provide Technical Data Package (TDP) and Statement of Work (SOW) for new equipment procurements and repair contracts. Status information to include part identification, condition, location, and repair cost estimates. Collect data and prepare status reports, spreadsheets, and graphs.

2.1.4. Serve as Marine Gas Turbine Inspection support, responsible for conducting inventory, assessing condition gas turbines and generator component after inventory, estimating cost value to return assets to Ready For Issue (RFI) condition, validating components logistical category status via Integrated Logistic Support (ILS) review. Review all propulsion plant readiness and safety program data and metrics for mission and operation readiness and impact to operational availability.

2.1.5. Provide design, installation and testing support of power transmission systems including propellers, shafting, rudders, appendages, water jets, controllable pitch propeller systems, auxiliary propulsion systems and main reduction gear equipment including clutches, couplings, bearings and seals. Develop detailed test procedures to ensure proper installation and configuration of power transmission repairs and updates.

2.1.6. Provide engineering and technical support in identification and remediation of faults and material condition discrepancies to ensure that power transmission systems and associated equipment is safe and in proper operating condition.

2.1.7. Provide shipboard and waterfront power transmission support, to include participation in shipboard assessments, grooms, troubleshooting and repair of power transmission related equipment.

2.1.8. Provide engineering support of HM&E and Propulsion Systems for Navy ship classes such as LCS 1, LCS 2, Fast Frigate, DDG 1000, MCM, DDG 51, CG 47, LCC, LPD 17, LHD 8, LHA 6, LHA 8, LXR, LSD 41 and CVN, SSN, SSBN, SSGN, Columbia Class, and other U.S. Navy, U.S. Coast Guard, MSC, U.S. Army, and Foreign Military Sales ship and vessel classes.

2.1.9. Provide engineering and technical support for Integrated Condition Assessment System (ICAS), including troubleshooting and installation support, requirements development for ICAS installations, performing software upgrades, configuration data set (CDS) development, and system interface testing. Includes engineering and technical support for Reliability Engineering Data Integration (REDI) as part of Condition Based Maintenance (CBM) program. Support includes testing, configuration, and implementation.

2.1.10. Collect data from Machinery Data Sources to analyze root causes and provide feedback into a Failure Mode Effects Analysis (FMEA) and Reliability Centered Maintenance (RCM) framework to develop future algorithms and monitoring routines to directly reduce Total Ownership Cost (TOC) and downtime on equipment. Data will be consolidated and mined to provide metric / Root Cause Analysis (RCA) for development of CBM diagnostic and prognostics routines.

2.1.11. Develop plans and support business process engineering of maintenance process and policy with NAVSEA, FLEET, and In Service Engineering Agents (ISEA) to determine CBM insertion strategies and programs IAW JFMM, OPNAV, FLEET and RMC instructions (OPNAVINST 4790.16B N43 1 Oct 2015).

2.1.12. Insert remote monitoring tools (ICAS, IPAR, REDI) into the Total Ship Readiness Assessment (TSRA) program. Develop plans to integrate remote monitoring into TSRA as well as other areas such as Maintenance Evaluation Reviews (MER) and the BAWP/AWP (ICMP) process.

2.1.13. Support NSWCPD Test Sites with asset management, machinery layouts, design alternatives, equipment/system recommendations, test procedures, testing, data recording, streamlining procedures and providing solutions, coordinating the scheduling and operations of test site machinery plants, review production and progress of upgrades, simulator testing, and training.

2.1.14. Provide support for Compatibility Test Facility (CTF) in designing mechanical and electric

CONTRACT NO. N00178-14-D-7593	DELIVERY ORDER NO. N6449819F3018	PAGE 8 of 40	FINAL
----------------------------------	-------------------------------------	-----------------	-------

systems to create a test environment for testing power systems. Assist in preparing test procedures to support test environment development.

2.1.15. Provide test and evaluation support for programs, projects and/or special studies being conducted at NSWCPD, including testing related to R&D efforts. Special studies include failure analysis of Propulsion equipment as well as R&D projects to engineer new designs for Propulsion equipment. Write supporting documentation, such as test plans and procedures, test agendas, evaluation reports, operation and safety instructions and other documentation as required; conducting scheduled testing scenarios with Government personnel observing; conducting field trials to validate the efficacy of the developed hardware, systems and techniques; participating in testing; and writing quantitative, qualitative and gap analyses.

2.1.16. Provide testing support to include coordinating the development, updates and delivery of test procedures, coordinating land based software development activities, tracking failures, coordinating shipyard test support among a diverse group of technical codes, interfacing with shipyard test management personnel, and providing testing metrics to the program sponsor.

2.1.17. Provide support for testing analysis including trend analysis, engineering calculation support, failure analysis, and vibration analysis. Testing will be conducted either onsite at NSWCPD test facilities or at contractor locations. Tests to be conducted include, but aren't limited to, operational testing, endurance testing, shock testing, pressure testing, and vibration testing.

2.1.18. Provide engineering technical support and procure materials necessary for the evaluation of system and component failures resulting from the improper selection or improper use of materials, external factors, or their manufacturing. Equipment failures on Propulsion equipment can be due to fatigue, corrosion, or high stress. Failures are to be assessed to define root cause of the failure. Assess current system design and configurations associated with failures. Utilize destructive and non-destructive evaluation (NDE) as part of tool set for evaluation. Develop recommendations on corrective actions and recommendations to prevent future system failures. Develop, update, and maintain a database for all materials engineering technical efforts.

2.1.19. Assist in evaluating, testing and optimizing environmental controls of auxiliary systems and thermal management systems for LCS Class, DDG Class, CG Class, LPD Class, MCM Class, and CVN Class ships. Efforts shall include the mechanical, electrical, thermal development and hardening of devices.

2.1.20. Develop risk management and mitigation plans including collecting artifacts and system application information, develop vulnerability management plans, configuration management plan, and change control plans for LCS Class, DDG Class, CG Class, LPD Class, MCM Class, and CVN Class ships.

2.1.21. Provide engineering support including design, testing, data analysis and procedure development for Energy program equipment and systems. Provide technical support with proposal reviews, engineering calculations and the development of engineering studies and reports.

2.1.22. Provide engineering and technical support for the development of functional requirements documentation for various programs and systems, including Hybrid Electric Drive (HED) program and Global Energy Information Systems (GENISYS).

2.1.23. Provide support and process integration between NSWCPD and NAVSEA for commonality program "virtual shelf" program. Support internal business process re-engineering for internal business development and management processes.

2.1.24. Provide Strike Group and Integrated Product Team (IPT) level ship readiness support. Strike Team and IPT include teams put together to rapidly assess urgent issues found across the Fleet. Responsibilities to include: prepare briefs, provide availability analysis with regard to engineering plant.

CONTRACT NO. N00178-14-D-7593	DELIVERY ORDER NO. N6449819F3018	PAGE 9 of 40	FINAL
----------------------------------	-------------------------------------	-----------------	-------

Provide logistics support for expediting Casualty Report closeout. Provide logistics for parts support. Track and report on Casualty Report status.

2.1.25. Document and manage technical review changes in support of U.S. Army watercraft programs.

2.1.26. Provide engineering and technical support for Program Readiness Engineering and Program Readiness Logistics (PRE/ PRL) tasking. Tasking typically encompasses engineering, rigorous maintenance planning, and logistics functions for improved readiness and life cycle sustainment to achieve expected service life of Surface Ships.

2.1.27. Provide assistance with process improvement events including coordination with to determine disposition of materials, organization of remaining material, development of facility drawings within AutoCAD, review of facility data sheets, and developing a Plan of Action and Milestones (POAMs).

2.1.28. Provide engineering support for new acquisition programs including review of performance specifications, requirements, component drawings, request for deviations, contract deliverables, and installation drawings.

2.1.29. Provide support for pier side dock trial, and at-sea trials including Builders Trials (BT), Acceptance Trials (AT), Final Contract Trials (FCT), Board of Inspection and Survey (INSURV) and Operational Test and Evaluation Force (OPTEVFOR) for applicable systems and equipment associated with the program.

2.1.30. Provide engineering and programmatic support to Surface Maintenance Engineering Planning Program (SURFMEPP) and NSWCPD to develop, review, update, and gain approval of Class Maintenance Plans (CMP).

2.1.31. On-site fleet waterfront and distance support for HM&E and Propulsion System shipboard equipment upgrades Continental United States (CONUS) and OCONUS including planning, scheduling, staging, and coordination of shipboard equipment upgrades.

2.1.32. Coordinate installations across the waterfront to include planning, pre-checks, oversight, Integrated Logistics System (ILS) installation, post testing, training and feedback to applicable ISEAs/Codes at NSWCPD.

2.1.33. Develop engineering requirements that enable Navy Surface Ships to meet their expected service life (ESL). Provide Strategic Support on Fleet Sustainment Matters. Provide strategic level assistance in the evaluation of new and evolving fleet sustainment policies, programs, and priorities to ensure NSWCPD is positioned to leverage its capabilities wherever possible to best support the fleet.

2.1.34. Reviews of Contract Data Requirements Lists (CDRL's), formulation of responses for Requests for Clarification, Interpretation or Assistance (RCIA's), Justifications for Technical Determination (JTD's), and Proposed Changes (PC's) and coordination of responses through the Navy Technical Authority (NTA) for all ship design issues.

2.1.35. Provide engineering support to the design, repair, installation, modification, operation, maintenance, troubleshooting, and testing of US Navy equipment and systems. Support includes review of technical documentation, procedure development and implementation, ship checks and ship visits as required, assistance with equipment and parts procurement, and writing and reviewing test report and waiver/deviation documentation.

2.1.36. Provide technical quality assurance reviews and pre and post installation ship checks to verify the accuracy of installation drawings, identify interferences, identify discrepancies between installation drawings and actual vessel configuration, and ensure correct equipment and logistic configuration for verification and technical accuracy review. Provide support for Ship Change Documents (SCD) Technical Assessment Team (TAT) reviews to ensure timely delivery of quality products to the Fleet. Conduct

CONTRACT NO. N00178-14-D-7593	DELIVERY ORDER NO. N6449819F3018	PAGE 10 of 40	FINAL
----------------------------------	-------------------------------------	------------------	-------

drawing reviews to determine as-built configurations and analyses in order to determine if system/equipment upgrades are required and if proposed upgrades are feasible.

2.1.37. Provide computational engineering analyses and mechanical drafting such as 2D drawings, 3D modeling support, finite element analysis, rotor dynamics analysis, and computational fluid dynamics for testing, installation and analysis efforts.

2.1.38. Provide integrated ship controls support including troubleshooting and repairs to the integrated ship control systems, machinery control systems, integrated bridge system, and fuel control system.

2.1.39. Provide Machinery Alteration (MACHALT) and Ship Change Document (SCD) engineering and drawing support for prototype installation and TYCOM execution planning. Provide electrical engineering expertise, review equipment installation changes and procedures and revise as needed to ensure safe, accurate and efficient installations to improve MACHALT installation process.

2.2. PROJECT MANAGEMENT / PROGRAMMATIC SUPPORT

2.2.1. Provide technical support for development of project schedules to ensure 2S COG spares are provided for ship repair availabilities, along with other ship availability or task tracking. Utilize Microsoft Project and other tracking tools.

2.2.2. Provide programmatic process support to improve visibility on specific programs. Programs include (but are not limited to) Propulsion Executive Steering Committee (PESC) funded programs for Gas Turbines, Propulsion Shafting, Hybrid Electric Drive, and other NSWCPD programs. Coordinate with NAVSEA and OPNAV as needed.

2.2.3. Support Navy Equipment Readiness by providing programmatic support to NSWCPD for the bi-annual PESC and other Department 20 meetings, including registration, agendas, meeting minutes, action items, electronic presentations, and corresponding financials.

2.2.4. The contractor will support NSWCPD in developing Life Cycle Management and metrics briefs in support of the PESC semi-annual meetings and other Department 20 meetings.

2.2.5. Provide Programmatic Support Services for Condition Based Maintenance (CBM). Assist with a variety of engineering, technical, and management support services. Develop technical briefs, extract programmatic and financial data for review and reporting. Generate project plans, concepts of operation, and management outlines to include Task Planning Sheets (TPSs), spend plans, and budget exhibit verbiage.

2.2.6. Create/maintain System Health Assessment reports for Major Programs and other codes as needed. Coordinate with Dept. 20 Program Manager (PM's), Life Cycle Manager (LCM's), and ISEAs as necessary.

2.2.7. Prepare formal technical presentations and technical documentation including graphic design support. The contractor shall assist with the development, maintenance and modification of documentation including, organizational charts, booklets, presentation materials, interactive PDFs and manuals.

2.2.8. Develop and maintain Plan of Action and Milestones (POAMs) and a fully Integrated Master Schedule (IMS) for Major Programs and other programs in order to create yearly budget figures to support planning, analysis of Material versus Labor costs, Program Schedule and Cost Risk Analysis. Generate various critical path views and indicate major key milestones and events and assist in responding to sponsor data calls. Maintenance and updates include: updating status of all activities, performing earned value measures, conducting "what if" drills to identify risks and critical path, reporting

CONTRACT NO. N00178-14-D-7593	DELIVERY ORDER NO. N6449819F3018	PAGE 11 of 40	FINAL
----------------------------------	-------------------------------------	------------------	-------

status against baselines, identifying funding needs, and expenditures to date versus planned expenditures reports, estimating future funding needs and allocation of funds based on plan. High Level Schedules are created from POAMs in MS PowerPoint to reflect higher level milestones. Impacts and analysis are analyzed, and solutions are identified and reported to sponsors, In-Service Engineering Agents (ISEAs), Program Managers and Program Offices as required.

2.2.9. Provide technical documentation support in creating and updating flow diagrams, flow charts and organizational charts and procedures for various technical processes and procedures as required.

2.2.10. Collect, review, and streamline weekly/monthly status inputs from supporting ISEAs for program report submittal. Communicate updates to Program Managers and sponsors as necessary.

2.3. LOGISTICS AND TRAINING SUPPORT

2.3.1. Develop, update and review logistical documentation associated with HM&E and Propulsion systems and equipment installed on U.S. Navy vessels. Provide Integrated Logistics Support (ILS) development and certification packages, and/or SCDs in accordance with the associated drawings and instructions. This includes verification of alteration completion and update of Navy Data Environment (NDE).

2.3.2. Document, manage and ensure revision to ILS technical and supply support documentation as identified during ship checks and other system verifications.

2.3.3. Develop Interim Logistics Support Packages (ILSPs) in interactive electronic and hard copy format to provide necessary interim logistics and technical support information for shipboard systems and equipment in concert with established NSWCPD requirements. ILSPs may include any of the following: marked up technical manual pages and associated drawings & troubleshooting charts, electronically marked up Engineering Operational Starting Sequence (EOSS/EOCC) diagrams & procedures; updates to Maintenance Index Page (MIPs) & Maintenance Requirement Card (MRCs), updates to Allowance Parts List (APLs) and associated supply system documents. This will include efforts to prepare, organize and develop CDMD-OA work files in support of machinery alterations.

2.3.4. Provide material specification information and logistics updates to current Authorized Equipment Listings (AELs).

2.3.5. Provide engineering and technical inputs for preparation of Maintenance Standards, Planned Maintenance System (PMS), Technical Manual and document revisions, ICMP revisions, and Naval Messages.

2.3.6. Support material procurement process for installations by obtaining quotes from commercial companies in accordance with ship drawings and other system drawings and existing contractual policies and procedures. Assist with shipment of parts as required.

2.3.7. Coordinate the procurement for emergent ship repairs and associated parts for various equipment and systems. The contractor shall also procure services to provide maintenance and testing support at Land Based Test Facilities. Work with Original Equipment Manufacturers (OEMs) as needed to ensure services are procured and shipped on time to avoid possible downtime.

2.3.8. Provide overall material management processing from design concept, drawing development, installation and testing including inventory control, receipt, staging, kitting and post installation material disposition.

2.3.9. Provide engineering and technical support for the development of shipboard training and classroom courses for HM&E systems.

2.3.10. Provide fleet training support including shipboard, shore side, and distance support.

CONTRACT NO. N00178-14-D-7593	DELIVERY ORDER NO. N6449819F3018	PAGE 12 of 40	FINAL
----------------------------------	-------------------------------------	------------------	-------

2.3.11. Provide Distance Support for NSWCPD, including REMEDY based client /server application, customer service support, and facilitate distributed processing of support requests in a Shared Data Environment (SDE). Assign support requests filtered through the Global Distance Support Center (GDSC) ensuring that all support requests processed through NAVSEA-Philadelphia are answered in a timely manner.

2.3.12. Support NSWCPD for development, review and monitoring of Front End Analysis (FEA), Navy Training System Plan (NTSP) and Training Development and delivery projects. Review applicable OEM, contractor furnished, and Navy owned training materials, as well as technical specifications, design plan alterations and project criteria to determine costs, benefits, limitations and compatibility with current Navy training directives. Develop metrics to monitor and measure the effectiveness of processes and projects performed in support of training programs to ensure that the best interests of the Navy are served in terms of technical quality and effectiveness. Modify the implementation plan for the installation and integration of the new system and interface documentation to existing systems to ensure that the ISEA and Testing and Evaluation (T&E) training programs receive complete support with respect to Navy technical training.

2.4. GRAPHIC, MODELING, AND SIMULATION SUPPORT

2.4.1. Provide modeling and simulation development of various HM&E equipment and systems, including machinery and auxiliary systems, Models and simulations to be used for training and instructional tools for informational briefs, ship's crew, and visual displays within test sites. Software applications should include: 3D Studio Max, Maya, Zbrush, Bodypaint, Cloud, Unity, xNormal, and NGRAIN Producer Pro 5.0, NGRAIN VTT Builder, Oikino Polytrans.

2.5. PERSONNEL QUALIFICATIONS

2.5.1. The contractor shall be responsible for the employment of trained and technically qualified personnel to perform the technical efforts described herein. In addition, the contractor is responsible for organizational and administrative controls necessary to ensure that performance meets or exceeds all contract specification requirements and those set forth in the task order.

2.5.2. The government reserves the right, during the life of this contract, to request work histories on any contractor employees for the purposes of verifying compliance with this requirement. Personnel assigned to or utilized by the contractor in the performance of this contract shall meet the experience, educational and other background requirements set forth herein, and be fully capable of performing the contemplated functions of the respective labor categories in an efficient, reliable and professional manner.

2.5.3. If the contracting officer questions the qualifications or competence of any person performing under the contract, the burden shall be on the contractor to confirm that the person in question is qualified as prescribed herein. The following **Key Personnel** may be required in the performance of any technical instruction issued under this contract. Persons filling these positions must meet the educational and experience requirements. The following represents the Government's target education and technical experience for the Key Personnel (denotes key personnel) labor categories required to support the Statement of Work tasking. The target specialized experience included as part of the desired qualification should have been obtained in the fields of endeavor indicated by the applicable labor categories listed below, and may have been gained concurrently unless otherwise specified. Resumes will be submitted for each category in the quantities indicated in parenthesis by the key category description. In addition, the contractor is responsible for employing those personnel proposed under the "Key Personnel" categories identified under this Task Order. Any substitution/addition of personnel under those identified as Key Personnel shall be subject to the Substitution of Key Personnel Clause identified under the Basic Support Contract of this Task Order.

CONTRACT NO. N00178-14-D-7593	DELIVERY ORDER NO. N6449819F3018	PAGE 13 of 40	FINAL
----------------------------------	-------------------------------------	------------------	-------

2.5.3.1 MANAGER, PROGRAM/PROJECT II (1 Resume)

eCraft Code: MANP2

Target Education: Bachelor's level degree in Business or Engineering from an accredited college or university.

Target Experience: 5 years professional experience performing Project Management duties including contract management, budgeting, and scheduling, planning, estimating, job cost and progress tracking and planning of Navy programs and projects.

2.5.3.2 ENGINEER, MECHANICAL IV (2 Resumes)

eCraft Code: EM4

Minimum Education: Bachelor's level degree in Mechanical or Marine Engineering from an accredited college or university.

Target Experience: 10 years professional experience related to general engineering principles such as, but not limited to, forces, strength, hardness, thermal expansion, torque, corrosion, etc.

2 years experience with shipboard propulsion and power transmission systems (Gears, Clutches, Bearings, Controllable Pitch Propeller (CPP) & non CPP Systems, Rudders, and Waterjets) is encouraged, but not required.

2.5.3.3 ENGINEER, MECHANICAL III (2 Resumes)

eCraft Code: EM3

Target Education: Bachelor's level degree in Mechanical or Marine Engineering from an accredited college or university.

Target Experience: 7 years professional experience related to general engineering principles such as forces, strength, hardness, thermal expansion, torque, corrosion, etc.

2 years experience with shipboard propulsion and power transmission systems (Gears, Clutches, Bearings, Controllable Pitch Propeller (CPP) & non CPP Systems, Rudders, and Waterjets).

2.5.4 The Government's minimum education and experience requirements for **Non-Key Personnel** shown below represent the Government's minimum education and technical experience for non-key personnel required to support the statement of work. The offeror shall certify that all employees proposed for non-key personnel labor categories meet or exceed the minimum education and technical requirements specified for each non-key category. Resumes are not required for the non-key personnel categories.

2.5.4.1 ENGINEER, MECHANICAL II

eCraft Code: EM2

Minimum Education: Bachelor's level degree in Mechanical or Marine Engineering from an accredited college or university.

CONTRACT NO. N00178-14-D-7593	DELIVERY ORDER NO. N6449819F3018	PAGE 14 of 40	FINAL
----------------------------------	-------------------------------------	------------------	-------

Minimum Experience: 3 years professional experience related to general engineering principles such as forces, strength, hardness, thermal expansion, torque, corrosion, etc.

1 year experience with shipboard propulsion and power transmission systems (Gears, Clutches, Bearings, Controllable Pitch Propeller (CPP) & non CPP Systems, Rudders, and Waterjets).

2.5.4.2 ENGINEER, MECHANICAL I

eCraft Code: EM1

Minimum Education: Bachelor's level degree in Mechanical or Marine Engineering from an accredited college or university.

Minimum Experience: 1 year professional experience related to general engineering principles such as forces, strength, hardness, thermal expansion, torque, corrosion, etc.

1 year experience with shipboard propulsion and power transmission systems (Gears, Clutches, Bearings, Controllable Pitch Propeller (CPP) & non CPP Systems, Rudders, and Waterjets).

2.5.4.3 ANALYST, FINANCIAL SYSTEMS

eCraft Code: ANFS

Minimum Education: Bachelor's level degree in Business, Finance, or Accounting, from an accredited college or university.

Minimum Experience: 3 years professional experience in a related field performing duties such as examining budget estimates or proposals for completeness, accuracy, and conformance, employing cost-benefit analysis to review financial requests, and assessing program tradeoffs for Navy programs and projects.

2.6. LEVEL OF EFFORT

2.6.1.The level of effort for the performance of this contract is based upon an anticipated total estimated level of effort of 91,750 man hours of direct labor for 1 year and 4 option years. The estimated composition of direct labor can be found in Section B.

3.2. TRIP REPORTS

3.2.1.The contractor shall prepare minutes for each meeting attended and trip conducted associated with requirements paragraph 1. The contractor shall include recommendations for design changes, alternative approaches, and future work which would contribute to the technical success of the programs associated with the scope of work.

1. DELIVERABLES

3.1. CONTRACTOR'S PROGRESS, STATUS, AND MANAGEMENT REPORT

3.1.1. The contractor shall provide a monthly progress report, which shall briefly describe the work performed during each reporting period together with significant results thereof. This report will describe any problems encountered and propose solutions for their resolution. The report shall further provide the current technical and financial status of the effort, and contain a brief outline of the work envisioned for the ensuing reporting period. Informal appendices shall be included as necessary or required in the scope of work. The report shall also include the number of man-hours expended by labor category during the reporting period (including a list of specific contractor personnel who are part of the labor category),

CONTRACT NO. N00178-14-D-7593	DELIVERY ORDER NO. N6449819F3018	PAGE 15 of 40	FINAL
----------------------------------	-------------------------------------	------------------	-------

man-hours expended to date, percent expended and the miscellaneous support costs incurred during the reporting period and cumulatively. Any subcontractor technical progress and financial expenditures shall be reported separately as attachments to the contractor's progress report. Submission of the report shall be done via electronic mail to the Contracting Officer's Representative (COR) and the Technical Point of Contact (TPOC).

1. CONTRACTOR PERSONNEL IDENTIFICATION

4.1. In the performance of this contract, contractor employees shall identify themselves as contractor personnel by introducing themselves or being introduced as contractor personnel and by displaying distinguishing badges or other visible identification for meetings with Government personnel. Contractor personnel shall appropriately identify themselves as contractor employees in telephone conversations and formal and informal written correspondence.

1. ENTERPRISE-WIDE CONTRACTOR MANPOWER REPORTING APPLICATION (ECMRA)

5.1. The contractor shall report all contractor labor hours (including subcontractor labor hours) required for performance of services provided under this contract for the Propulsion and Power Transmission Systems Engineering, Technical, Administrative, Financial and Logistics support for in-service, new acquisition ship and submarine systems contract 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>.

1. TRAVEL AND PLACE OF PERFORMANCE

6.1. The primary place of performance for this support is the NSWCPD Philadelphia Naval yard location. The contractor's employee(s) will be provided a workstation at a Government facility. Travel is expected, and is estimated, but not limited to, as follows: 12 (x5days) trips to Philadelphia, PA per year; 4 (x5days) trips to Kings Bay, GA per year; 4 (x5days) trips to Pascagoula, MS per year; 4 (x5days) trips to Ingleside, TX per year; 4 (x5days) trips to Bath, ME per year; 4 (x5days) trips to Bangor, WA per year; 4 (x5days) trips to Everett, WA per year; 4 (x5days) trips to Bremerton, WA per year; 4 (x5days) trips to San Diego, CA per year; 4 (x5days) trips to Norfolk, VA per year; 4 trips (x5 days) to Mobile, AL per year; 4 trips (x5 days) to Marinette, WI per year; 12 (x1days) trips to Washington D.C per year; 1 (x5days) trip to Mayport, FL per year; 1 (x7days) trip to Hawaii per year; 1 (x10days) trip to Sasebo per year; and 1 (x10days) trip to Bahrain per year

1. PERIOD OF PERFORMANCE

SEE SECTION F.

1. SCHEDULE

8.1. The Contracting Officer's Representative (COR) is responsible for all interfaces with the contractor. Specific tasking will be provided via the issuance of Technical Instruction (TI) letters.

2. OVERTIME

9.1. Overtime is authorized as required to support the mission. Overtime will be approved by the NSWCPD Contracting Office.

3. SUBJECT MATTER EXPERT (SME)

The SME is David Gloeckner.

4. CONTRACTING OFFICER'S REPRESENTATIVE (COR)

The COR is Amy Enever.

C-227-H006 ITEM(S) – DATA REQUIREMENTS (NAVSEA) (OCT 2018)

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

CDRL No.	Title	Data Item Description
A001	Contracting Officer Man Report	DI-MGMT-80227
A002	Travel Report	DI-MISC-81943
A003	Contractor's Personnel Report	DI-MGMT-80227
A004	Other Direct Cost Report	DI-FNCL-9999

C-202-H001 ADDITIONAL DEFINITIONS--BASIC (NAVSEA) (OCT 2018)

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

(b) Commander, Naval Sea Systems Command - means the Commander of the Naval Sea Systems Command of the Department of the Navy or his duly appointed successor.

(c) 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.

(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

CONTRACT NO. N00178-14-D-7593	DELIVERY ORDER NO. N6449819F3018	PAGE 17 of 40	FINAL
----------------------------------	-------------------------------------	------------------	-------

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.

C-215-H002 CONTRACTOR PROPOSAL (NAVSEA) (OCT 2018)

(a) Performance of this contract by the Contractor shall be conducted and performed in accordance with detailed obligations to which the Contractor committed itself in Proposal dated 07 September 2018 in response to NAVSEA Solicitation No. N6449818R3000.

(b) The technical volume(s) of the Contractor's proposal is(are) hereby incorporated by reference and made subject to the "Order of Precedence" (FAR 52.215-8) clause of this contract. Under the "Order of Precedence" clause, the technical volume(s) of the Contractor's proposal referenced herein is (are) hereby designated as item (f) of the clause, following "the specifications" in the order of precedence.

C-237-W001 ELECTRONIC COST REPORTING AND FINANCIAL TRACKING (eCRAFT) SYSTEM REPORTING (NAVSEA) (MAY 2019)

(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 the Wide Area Workflow (WAWF) module on the Procurement Integrated Enterprise Environment (PIEE) system. Compliance with this requirement is a material requirement of this contract. Failure to comply with this requirement may result in contract termination.

(b) The Contract Status 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.

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

(1) Access: eCRAFT: Reports are uploaded through the eCRAFT System Periodic Report Utility (EPRU). The EPRU spreadsheet and user manual can be obtained at: <http://www.navsea.navy.mil/Home/Warfare-Centers/NUWC-Newport/Partnerships/Commercial-Contracts/Information-eCraft/> under eCRAFT information. The link for eCRAFT report submission is: https://www.pdrep.csd.disa.mil/pdrep_files/other/ecraft.htm. If you have problems uploading reports, please see the Frequently Asked Questions at the site address above.

(2) Submission and Acceptance/Rejection: Submission and Acceptance/Rejection: The contractor shall submit their reports on the same day and for the same timeframe the contractor submits an invoice in WAWF. The amounts shall be the same. eCRAFT acceptance/rejection will be indicated by e-mail notification from eCRAFT.

(End of Text)

C-237-H001 ENTERPRISE-WIDE CONTRACTOR MANPOWER REPORTING APPLICATION (NAVSEA) (OCT 2018)

(a) The contractor shall report contractor labor hours (including subcontractor labor hours) required for

CONTRACT NO. N00178-14-D-7593	DELIVERY ORDER NO. N6449819F3018	PAGE 18 of 40	FINAL
----------------------------------	-------------------------------------	------------------	-------

performance of services provided under this contract for the NSWCPD via a secure data collection site. Contracted services

excluded from reporting are based on Product Service Codes (PSCs). The excluded PSCs are:

- (1) W, Lease/Rental of Equipment;
- (2) X, Lease/Rental of Facilities;
- (3) Y, Construction of Structures and Facilities;
- (4) D, Automatic Data Processing and Telecommunications, IT and Telecom- Telecommunications Transmission (D304) and Internet (D322) ONLY;
- (5) S, Utilities ONLY;
- (6) V, Freight and Shipping ONLY.\

(b) The contractor is required to completely fill in all required data fields using the following web address <https://www.ecmra.mil>.

(c) 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://dod.ecmra.support.desk@mail.mil>.

(End of Text)

C-242-H001 EXPEDITING CONTRACT CLOSEOUT (NAVSEA) (OCT 2018)

(a) As part of the negotiated fixed price or total estimated amount of this contract, both the Government and the Contractor have agreed to waive any entitlement that otherwise might accrue to either party in any residual dollar amount of \$1,000 or less at the time of final contract closeout. The term "residual dollar amount" shall include all money that would otherwise be owed to either party at the end of the contract, except that, amounts connected in any way with taxation, allegations of fraud and/or antitrust violations shall be excluded. For purposes of determining residual dollar amounts, offsets of money owed by one party against money that would otherwise be paid by that party may be considered to the extent permitted by law.

(b) This agreement to waive entitlement to residual dollar amounts has been considered by both parties. It is agreed that the administrative costs for either party associated with collecting such small dollar amounts could exceed the amount to be recovered.

(End of Text)

C-223-W002 ON-SITE SAFETY REQUIREMENTS (NAVSEA) (OCT 2018)

(a) The contractor shall ensure that each contractor employee reads any necessary safety documents within 30 days of commencing performance at any Government facility. Required safety documents can be obtained from the respective safety office. Contractors shall notify the Safety office points of contact below to report completion of the required training via email. The email shall include the contractor employee's name, work site, and contract number.

(b) It is expected that contractor employees will have received training from their employer on hazards associated with the areas in which they will be working and know what to do in order to protect themselves. Contractors are required to adhere to the requirements of 29 CFR 1910, 29 CFR 1926 and applicable state and local requirements while in Government spaces. The contractor shall ensure that all on-site contractor work at the Government facility is in accordance with any local safety instructions as provided via the COR. The contractor shall report all work-related injuries/illnesses that occurred while working at the Government site to the COR.

CONTRACT NO. N00178-14-D-7593	DELIVERY ORDER NO. N6449819F3018	PAGE 19 of 40	FINAL
----------------------------------	-------------------------------------	------------------	-------

(c) Contractors whose employees perform work within Government spaces in excess of 1000 hours per calendar quarter during a calendar year shall submit the data elements on OSHA Form 300A, Summary of Work Related Injuries and Illnesses, for those employees to the safety office, via the COR by 15 January for the previous calendar year, even if no work related injuries or illnesses occurred. If a contractor's injury/illness rates are above the Bureau of Labor Statistics industry standards, a safety assessment may be performed by the Safety Office to determine if any administrative or engineering controls can be utilized to prevent further injuries/illnesses, or if any additional Personal Protective Equipment or training will be required.

(d) Any contractor employee exhibiting unsafe behavior may be removed from the Government site. Such removal shall not relieve the contractor from meeting its contractual obligations and shall not be considered an excusable delay as defined in FAR 52.249-14.

(e) The Safety Office points of contacts are as follows:

Paul Breeden; Paul.Breedan@navy.mil

(End of Text)

C-244-H002 SUBCONTRACTORS/CONSULTANTS (NAVSEA) (OCT 2018)

Notwithstanding FAR 52.244-2(d) and in addition to the information required by FAR 52.244-2(e) of the contract, the contractor shall include the following information in requests to add subcontractors or consultants during performance, regardless of subcontract type or pricing arrangement:

- (1) Impact on subcontracting goals,
- (2) Impact on providing support at the contracted value,
- (3) The results of negotiations to incorporate fee rate caps no higher than the lower of (i) SeaPort-e fee rate caps for the prime contractor, or in the case where the proposed subcontractor is also a SeaPort-e prime, (ii) fee rate caps that are no higher than the subcontractor's prime SeaPort-e contract.

(End of Text)

C-237-H002 SUBSTITUTION OF KEY PERSONNEL (NAVSEA) (OCT 2018)

(a) The Contractor agrees that a partial basis for award of this contract is the list of key personnel proposed. Accordingly, the Contractor agrees to assign to this contract those key persons whose resumes were submitted with the proposal necessary to fulfill the requirements of the contract. No substitution shall be made without prior notification to and concurrence of the Contracting Officer in accordance with this requirement. Substitution shall include, but not be limited to, subdividing hours of any key personnel and assigning or allocating those hours to another individual not approved as key personnel.

(b) All proposed substitutes shall have qualifications equal to or higher than the qualifications of the person to be replaced. The Contracting Officer shall be notified in writing of any proposed substitution at least forty-five (45) days, or ninety (90) days if a security clearance is to be obtained, in advance of the proposed substitution. Such notification shall include: (1) an explanation of the circumstances necessitating the substitution; (2) a complete resume of the proposed substitute; (3) an explanation as to why the proposed substitute is considered to have equal or better qualifications than the person being replaced; (4) payroll record of the proposed replacement; and (5) any other information requested by the Contracting Officer to enable him/her to judge whether or not the Contractor is maintaining the same high quality of personnel that provided the partial basis for award.

(c) Key personnel for this award are identified as follows:

CONTRACT NO. N00178-14-D-7593	DELIVERY ORDER NO. N6449819F3018	PAGE 20 of 40	FINAL
----------------------------------	-------------------------------------	------------------	-------

Labor Categories

Name

a. Manager, Program/Project II -

[REDACTED]

b. Engineer, Mechanical IV -

[REDACTED]

c. Engineer, Mechanical III -

[REDACTED]

(End of Text)

C-242-H003 TECHNICAL INSTRUCTIONS (NAVSEA) (OCT 2018)

(a) Performance of the work hereunder may be subject to written technical instructions signed by the Contracting Officer and 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.

(End of Text)

C-211-H017 UPDATING SPECIFICATIONS AND STANDARDS (NAVSEA) (DEC 2018)

The contractor may request that this contract be updated to include the current version of the applicable specification or standard if the update does 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 of its request to update by the Procuring Contracting Officer. Any approved alternate specifications or standards will be incorporated into the contract.

(End of Text)

CONTRACT NO. N00178-14-D-7593	DELIVERY ORDER NO. N6449819F3018	PAGE 21 of 40	FINAL
----------------------------------	-------------------------------------	------------------	-------

**C-204-H001 USE OF NAVY SUPPORT CONTRACTORS FOR OFFICIAL CONTRACT FILES
(NAVSEA)(OCT 2018)**

(a) NAVSEA may use a file room management support contractor, hereinafter referred to as "the support contractor", to manage its file room, in which all official contract files, including the official file supporting this procurement, are retained. These official files may contain information that is considered a trade secret, proprietary, business sensitive or otherwise protected pursuant to law or regulation, hereinafter referred to as "protected information". File room management services consist of any of the following: secretarial or clerical support; data entry; document reproduction, scanning, imaging, or destruction; operation, management, or maintenance of paper-based or electronic mail rooms, file rooms, or libraries; and supervision in connection with functions listed herein.

(b) The cognizant Contracting Officer will ensure that any NAVSEA contract under which these file room management services are acquired will contain a requirement that:

(1) The support contractor not disclose any information;

(2) Individual employees are to be instructed by the support contractor regarding the sensitivity of the official contract files;

(3) The support contractor performing these services be barred from providing any other supplies and/or services, or competing to do so, to NAVSEA for the period of performance of its contract and for an additional three years thereafter unless otherwise provided by law or regulation; and,

(4) In addition to any other rights the contractor may have, it is a third party beneficiary who has the right of direct action against the support contractor, or any person to whom the support contractor has released or disclosed protected information, for the unauthorized duplication, release, or disclosure of such protected information.

(c) Execution of this contract by the contractor is considered consent to NAVSEA's permitting access to any information, irrespective of restrictive markings or the nature of the information submitted, by its file room management support contractor for the limited purpose of executing its file room support contract responsibilities.

(d) NAVSEA may, without further notice, enter into contracts with other contractors for these services. Contractors should enter into separate non-disclosure agreements with the file room contractor. Contact the Procuring Contracting Officer for contractor specifics. However, any such agreement will not be considered a prerequisite before information submitted is stored in the file room or otherwise encumber the government.

(End of Text)

CONTRACT NO. N00178-14-D-7593	DELIVERY ORDER NO. N6449819F3018	PAGE 22 of 40	FINAL
----------------------------------	-------------------------------------	------------------	-------

SECTION D PACKAGING AND MARKING

D-211-H004 IDENTIFICATION MARKING OF PARTS -- BASIC (NAVSEA) (OCT 2018)

For all parts not subject to the marking requirements in DFARS 252.211-7003 – Item Unique Identification and Valuation, marking shall be accomplished in accordance with the following:

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

(End of Text)

D-211-H002 MARKING OF REPORTS (NAVSEA) (OCT 2018)

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) sponsor:

Amy Enever

NSWCPD

Philadelphia, PA

Ship all Reports/Data to the Contracting Officer's Representative (COR) identified in Section G. All Deliverables shall be packaged and marked IAW Best Commercial Practices.

D-211-H001 PACKAGING OF DATA (NAVSEA) (OCT 2018)

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 with Change 2 dated 18 May 2016.

(End of Text)

CONTRACT NO. N00178-14-D-7593	DELIVERY ORDER NO. N6449819F3018	PAGE 23 of 40	FINAL
----------------------------------	-------------------------------------	------------------	-------

SECTION E INSPECTION AND ACCEPTANCE

Inspection and Acceptance will be performed by the Contracting Officer's Representative (COR) as identified in Section G, unless otherwise specified in the Technical Instructions (TIs) or Modifications issued under this Task Order.

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

- (a) Definition. "Services," as used in this clause, includes services performed, workmanship, and material furnished or used in performing services.
- (b) The Contractor shall provide and maintain an inspection system acceptable to the Government covering the services under this contract. Complete records of all inspection work performed by the Contractor shall be maintained and made available to the Government during contract performance and for as long afterwards as the contract requires.
- (c) The Government has the right to inspect and test all services called for by the contract, to the extent practicable at all places and times during the term of the contract. The Government shall perform inspections and tests in a manner that will not unduly delay the work.
- (d) If any of the services performed do not conform with contract requirements, the Government may require the Contractor to perform the services again in conformity with contract requirements, for no additional fee. When the defects in services cannot be corrected by reperformance, the Government may (1) require the Contractor to take necessary action to ensure that future performance conforms to contract requirements and (2) reduce any fee payable under the contract to reflect the reduced value of the services performed.
- (e) If the Contractor fails to promptly perform the services again or take the action necessary to ensure future performance in conformity with contract requirements, the Government may (1) by contract or otherwise, perform the services and reduce any fee payable by an amount that is equitable under the circumstances or (2) terminate the contract for default.

(End of clause)

E-246-H013 INSPECTION AND ACCEPTANCE OF DATA (NAVSEA) (OCT 2018)

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

(End of Text)

E-246-H014 INSPECTION AND ACCEPTANCE OF ENGINEERING SERVICES (NAVSEA) (OCT 2018)

Item(s) 7000-7400 and 9000-9400 - Inspection and acceptance shall be made by the Contracting Officer's Representative (COR) or a designated representative of the Government.

(End of Text)

CONTRACT NO. N00178-14-D-7593	DELIVERY ORDER NO. N6449819F3018	PAGE 24 of 40	FINAL
----------------------------------	-------------------------------------	------------------	-------

SECTION F DELIVERABLES OR PERFORMANCE

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

7000	9/19/2019 - 9/18/2020
7006AA	9/19/2019 - 9/18/2020
9000	9/19/2019 - 9/18/2020
9006AA	9/19/2019 - 9/18/2020

CLIN - DELIVERIES OR PERFORMANCE

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

7000	9/19/2019 - 9/18/2020
7006AA	9/19/2019 - 9/18/2020
9000	9/19/2019 - 9/18/2020
9006AA	9/19/2019 - 9/18/2020

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

7001	9/19/2020 - 9/18/2021
7002	9/19/2021 - 9/18/2022
7003	9/19/2022 - 9/18/2023
7004	9/19/2023 - 9/18/2024
9001	9/20/2020 - 9/19/2021
9002	9/19/2021 - 9/18/2022
9003	9/19/2022 - 9/18/2023
9004	9/19/2023 - 9/18/2024

SHIP TO ADDRESS:

Ship all data item deliverables to the Contracting Officer's Representative (COR), Amy Enever.

F-247-H001 DELIVERY OF DATA (NAVSEA) (OCT 2018)

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.

CONTRACT NO. N00178-14-D-7593	DELIVERY ORDER NO. N6449819F3018	PAGE 25 of 40	FINAL
----------------------------------	-------------------------------------	------------------	-------

(End of Text)

CONTRACT NO. N00178-14-D-7593	DELIVERY ORDER NO. N6449819F3018	PAGE 26 of 40	FINAL
----------------------------------	-------------------------------------	------------------	-------

SECTION G CONTRACT ADMINISTRATION DATA

a) The COR for this contract is:

Amy Enever, Amy.Enever@navy.mil

252.232-7006 WIDE AREA WORKFLOWPAYMENT 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 Central Contractor Registration 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).

Cost Voucher

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

Destination/Destination

(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*

<i>Field Name in WAWF</i>	<i>Data to be entered in WAWF</i>
Pay Official DoDAAC	HQ0338
Issue By DoDAAC	N64498
Admin DoDAAC	S5111A
Inspect By DoDAAC	N64498
Ship To Code	N64498
Ship From Code	4C581
Mark For Code	N64498
Service Approver (DoDAAC)	N64498
Service Acceptor (DoDAAC)	N64498
Accept at Other DoDAAC	
LPO DoDAAC	
DCAA Auditor DoDAAC	HAA47B
Other DoDAAC(s)	

(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.

Amy.Enever@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:

N64498 - Kimberly Villano; email: Kimberly.Villano@navy.mil ; 215.897-2433

GAM Mailbox - email: NSWCPD_WAWF_GAM@navy.mil

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

(End of clause)

G-232-H001 ALLOTMENT OF FUNDS--BASIC (NAVSEA) (OCT 2018)

(a) This contract is incrementally funded with respect to both cost and fee. The table below sets out:

- 1) The CLINs/SLINs covered by the clause of this contract entitled "Limitation of Funds" (FAR 52.232-22);
- (2) The amount(s) presently available and allotted to this contract for payment of cost for incrementally funded CLINs/SLINs;
- (3) 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); and;
- (4) The period of performance for which it is estimated the allotted amount(s) will cover:

ITEM(S)	ALLOTTED TO COST	ALLOTTED TO FEE	PERIOD OF PERFORMANCE
7006AA	██████████	██████████	Funding available through 09/18/20
9006AA	██████████	████	Funding available through 09/18/20

(b) The parties contemplate that the Government will allot additional amounts to this contract from time to time for the incrementally funded CLINs/SLINs by unilateral contract modification, and any such modification shall state separately the amount(s) allotted for cost, the amount(s) allotted for fee, the CLINs/SLINs covered thereby, and the period of performance which the amount(s) are expected to cover.(c) Performance under CLINs/SLINs which are fully funded is subject to the clause of this contract entitled "Limitation of Cost" (FAR 52.232-20).

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

G-232-H002 PAYMENT INSTRUCTIONS AND CONTRACT TYPE SUMMARY FOR PAYMENT OFFICE (NAVSEA) (JUN 2018)

(a) The following table of payment office allocation methods applies to the extent indicated.

For Government Use Only					
Contract/Order Payment Clause	Type of Payment Request	Supply	Service	Construction	Payment Office Allocation Method
52.212-4 (Alt I), Contract Terms and Conditions —Commercial Items	Cost Voucher	X	X	N/A	Line item specific proration. If there is more than one ACRN within a deliverable line or deliverable subline item, the funds will be allocated in the same proportion as the amount of
52.216-7, Allowable Cost and Payment					

Contract/Order Payment Clause	Type of Payment Request	Supply	Service	Construction	Payment Office Allocation Method
52.232-7, Payments under Time-and-Materials and Labor-Hour Contracts					funding currently unliquidated for each ACRN on the deliverable line or deliverable subline item for which payment is requested.
52.232-1, Payments	Navy Shipbuilding Invoice (Fixed Price)	X	N/A	N/A	Line Item specific by fiscal year. If there is more than one ACRN within a deliverable line or deliverable subline item, the funds will be allocated using the oldest funds. In the event of a deliverable line or deliverable subline item with two ACRNs with the same fiscal year, those amounts will be prorated to the available unliquidated funds for that year.
52.232-1, Payments; 52.232-2, Payments under Fixed-Price Research and Development Contracts; 52.232-3, Payments under Personal Services Contracts; 52.232-4, Payments under Transportation Contracts and Transportation-Related Services Contracts; and 52.232-6, Payments under Communication Service Contracts with Common Carriers	Invoice	X	X	N/A	Line Item Specific proration. If there is more than one ACRN within a deliverable line or deliverable subline item, the funds will be allocated in the same proportion as the amount of funding currently unliquidated for each ACRN on the deliverable line or deliverable subline item for which payment is requested.
52.232-5, Payments Under Fixed-Price Construction Contracts	Construction Payment Invoice	N/A	N/A	X	Line Item specific by fiscal year. If there is more than one ACRN within a deliverable line or deliverable subline item, the funds will be allocated using the oldest funds. In the event

Contract/Order Payment Clause	Type of Payment Request	Supply	Service	Construction	Payment Office Allocation Method
					of a deliverable line or deliverable subline item with two ACRNs with the same fiscal year, those amounts will be prorated to the available unliquidated funds for that year.
52.232-16, Progress Payments	Progress Payment*	X	X	N/A	Contract-wide proration. Funds shall be allocated in the same proportion as the amount of funding currently unliquidated for each ACRN. Progress Payments are considered contract level financing, and the "contract price" shall reflect the fixed price portion of the contract per FAR 32.501-3.
52.232-29, Terms for Financing of Purchases of Commercial Items; 52.232-30, Installment Payments for Commercial Items	Commercial Item Financing*	X	X	N/A	Specified in approved payment. The contracting officer shall specify the amount to be paid and the account(s) to be charged for each payment approval in accordance with FAR 32.207(b)(2) and 32.1007(b)(2).
52.232-32, Performance-Based Payments	Performance-Based Payments*	X	X	N/A	Specified in approved payment. The contracting officer shall specify the amount to be paid and the account(s) to be charged for each payment approval in accordance with FAR 32.207(b)(2) and 32.1007(b)(2).
252.232-7002, Progress Payments for Foreign Military Sales Acquisitions	Progress Payment*	X	X	N/A	Allocate costs among line items and countries in a manner acceptable to the Administrative Contracting Officer.

*Liquidation of Financing Payments. Liquidation will be applied by the payment office against those ACRNs which are identified by the payment instructions for the delivery payment and in keeping with the liquidation provision of the applicable contract financing clause (i.e., progress payment, performance-based payment, or commercial item financing).

(b) This entire procurement contains the following contract type(s):

CONTRACT NO. N00178-14-D-7593	DELIVERY ORDER NO. N6449819F3018	PAGE 31 of 40	FINAL
----------------------------------	-------------------------------------	------------------	-------

Contract/Order Payment Clause	Type of Payment Request	Supply	Service	Construction	Payment Office Allocation Method
*CR – Cost-Reimbursement (End of text)					

G-242-W001 CONTRACT ADMINISTRATION FUNCTIONS (NAVSEA) (OCT 2018)

(a) In accordance with FAR 42.302(a) all functions listed are delegated to the ACO except the following items to be retained by the PCO:

- (3) Conduct post award orientation conference
- (4) Review and evaluate contractor's proposal under Subpart 15.4

(b) In accordance with FAR 42.302(b), the following additional functions are delegated to the ACO:

All other functions.

G-216-H001 FIXED FEE WITHHOLD-- FAR 52.216-8 CLARIFICATION (NAVSEA)(OCT 2018)

The Government will withhold 15% of each fixed fee payment starting with the first invoice submitted until a total of \$100,000 of fixed fee has been withheld. Withheld amounts will be released in accordance with FAR 52.216-8, Fixed Fee.

(End of Text)

G-232-H005 SUPPLEMENTAL INSTRUCTIONS REGARDING INVOICING (NAVSEA) (JAN 2019)

(a) For other than firm fixed priced contract line item numbers (CLINs), the Contractor agrees to segregate costs incurred under this contract/task order (TO), as applicable, at the lowest level of performance, either at the sub line item number (SLIN) or CLIN level, rather than at the total contract/TO level, 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 technical instruction (TI), SLIN, or CLIN level. For other than firm fixed price subcontracts, subcontractors are also required to provide labor categories, rates, and hours (both straight time and overtime) invoiced; as well as, a cost breakdown of ODCs, materials, and travel invoiced. Supporting documentation may be encrypted before submission to the prime contractor for WAWF invoice submittal. Subcontractors may email encryption code information directly to the Contracting Officer and Contracting Officer Representative (COR). Should the subcontractor lack encryption capability, the subcontractor may also email detailed supporting cost information directly to the Contracting Officer and COR; or other method as agreed to by the Contracting Officer.

(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 COR

CONTRACT NO. N00178-14-D-7593	DELIVERY ORDER NO. N6449819F3018	PAGE 32 of 40	FINAL
----------------------------------	-------------------------------------	------------------	-------

and Contracting Officer on the same date they submit the invoice in WAWF. No payments shall be due if the contractor does not provide the COR and Contracting Officer email notification as required herein.

(End of Text)

Accounting Data

SLINID	PR Number	Amount
7006AA	130081209200001	██████████
LLA :		
AA 1791804 8B4B 251 V5Z00 0 050120 2D 000000 A00005279443		
IAW TI #01. 2410(a) Authority is hereby invoked.		
9006AA	130081209200002	██████████
LLA :		
AA 1791804 8B4B 251 V5Z00 0 050120 2D 000000 A00005279443		
IAW TI #01. 2410(a) Authority is hereby invoked.		

BASE Funding ██████████
Cumulative Funding ██████████

CONTRACT NO. N00178-14-D-7593	DELIVERY ORDER NO. N6449819F3018	PAGE 33 of 40	FINAL
----------------------------------	-------------------------------------	------------------	-------

SECTION H SPECIAL CONTRACT REQUIREMENTS

H-216-H002 LEVEL OF EFFORT--ALTERNATE I (NAVSEA) (OCT 2018)

- (a) The total level of effort for the performance of this contract is specified in Section B and includes prime and 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 in Section B, it is estimated that zero (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 in Section B 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.

CONTRACT NO. N00178-14-D-7593	DELIVERY ORDER NO. N6449819F3018	PAGE 34 of 40	FINAL
----------------------------------	-------------------------------------	------------------	-------

SECTION I CONTRACT CLAUSES

Clauses Included by Reference

- 52.203-13 Contractor Code of Business and Ethics Conduct (Oct 2015)
- 52.204-2 Security Requirements (AUG 1996)
- 52.204-4 Printed or Copied Double-Sided on Postconsumer Fiber Content Paper (May 2011)
- 52.204-21 Basic Safeguarding of Covered Contractor Information Systems (Jun 2016)
- 52.209-10 Prohibition on Contracting With Inverted Domestic Corporations. (NOV 2015)
- 52.211-15 Defense Priority and Allocation Requirements (APR 2008)
- 52.216-8 Fixed Fee (Jun 2011)
- 52.222-19 Child Labor--Cooperation with Authorities and Remedies (Oct 2016)
- 52.222-46 Evaluation of Compensation for Professional Employees (Feb 1993)
- 52.222-50 Combating Trafficking In Persons (Mar 2015)
- 52.237-2 Protection of Government Buildings Equipment, and Vegetation
- 52.244-6 Subcontracts for Commercial Items (Nov 2016)
- 52.247-63 Preference for U.S.-Flag Air Carriers (Jun 2013)
- 252.203-7003 Agency Office of the Inspector General
- 252.204-7005 Oral Attestation of Security Responsibilities (Nov 2001)
- 252.227-7025 Limitations on the Use or Disclosure of Government-Furnished Information Marked With Restrictive Legends (May 2013)
- 252.204-7008 Compliance With Safeguarding Covered Defense Information Controls (Oct 2016)
- 252.204-7009 Limitations on the Use or Disclosure of Third-Party Contractor Reported Cyber Incident Information (OCT 2016)
- 252.204-7012 Safeguarding Covered Defense Information and Cyber Incident Reporting (Oct 2016)
- 252.227-7025 Limitations on the Use or Disclosure of Government-Furnished Information Marked with Restrictive Legends. (May 2013)
- 252.239-7000 Protection Against Compromising Emanations (Jun 2004)
- 252.239-7001 Information Assurance Contractor Training and Certification (JAN 2008)

Clauses Included by Full Text

52.217-9 OPTION TO EXTEND THE TERM OF THE CONTRACT (MAR 2000)(NAVSEA VARIATION)(APR 2015)

CONTRACT NO. N00178-14-D-7593	DELIVERY ORDER NO. N6449819F3018	PAGE 35 of 40	FINAL
----------------------------------	-------------------------------------	------------------	-------

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

ITEM(S)	LATEST OPTION EXERCISE DATE
7100	09/20/2020
7200	09/20/2021
7300	09/20/2022
7400	09/20/2023
9100	09/20/2020
9200	09/20/2021
9300	09/20/2022
9400	09/20/2023

(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 (j) of the requirement of this contract entitled "LEVEL OF EFFORT – ALTERNATE 1", (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.

(End of Clause)

52.222-2 PAYMENT FOR OVERTIME PREMIUMS (JUL 1990)

(a) The use of overtime is authorized under this contract if the overtime premium cost does not exceed \$0 or the overtime premium is paid for work --

1) Necessary to cope with emergencies such as those resulting from accidents, natural disasters, breakdowns of production equipment, or occasional production bottlenecks of a sporadic nature;

(2) By indirect-laboremployees such as those performing duties in connection with administration, protection, transportation, maintenance, standby plant protection, operation of utilities, or accounting;

(3) To perform tests, industrial processes, laboratory procedures, loading or unloading of transportation conveyances, and operations in flight or afloat that are continuous in nature and cannot reasonably be interrupted or completed otherwise; or

(4) That will result in lower overall costs to the Government.

(b) Any request for estimated overtime premiums that exceeds the amount specified above shall include all estimated overtime for contract completion and shall—

CONTRACT NO. N00178-14-D-7593	DELIVERY ORDER NO. N6449819F3018	PAGE 36 of 40	FINAL
----------------------------------	-------------------------------------	------------------	-------

(1) Identify the work unit; e.g., department or section in which the requested overtime will be used, together with present workload, staffing, and other data of the affected unit sufficient to permit the Contracting Officer to evaluate the necessity for the overtime;

(2) Demonstrate the effect that denial of the request will have on the contract delivery or performance schedule;

(3) Identify the extent to which approval of overtime would affect the performance or payments in connection with other Government contracts, together with identification of each affected contract; and

(4) Provide reasons why the required work cannot be performed by using multi-shift operations or by employing additional personnel.

*Insert either "zero" or the dollar amount agreed to during negotiations. The inserted figure does not apply to the exceptions in paragraph (a)(1) through (a)(4) of the clause.

(End of Clause)

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 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-

(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:

CONTRACTS WITH ANY FIRM NOT INCLUDED WITH THE PROPOSAL FOR THE PERFORMANCE OF SERVICES

(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:

(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-

CONTRACT NO. N00178-14-D-7593	DELIVERY ORDER NO. N6449819F3018	PAGE 37 of 40	FINAL
----------------------------------	-------------------------------------	------------------	-------

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:

QED Systems

Gibbs & Cox

GDIT

(End of Clause)

52.252-2 Clauses Incorporated by Reference.

As prescribed in [52.107\(b\)](#), insert the following clause:

Clauses Incorporated By Reference (Feb 1998)

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

<http://www.farsite.hil.af.mil/>

(End of clause)

52.252-6 AUTHORIZED DEVIATIONS IN CLAUSES (APR 1984)

(a) The use in this solicitation or contract of any Federal Acquisition Regulation (48 CFR Chapter 1) clause with an authorized deviation is indicated by the addition of "(DEVIATION)" after the date of the clause.

(b) The use in this solicitation or contract of any Defense Federal Acquisition Regulation Supplement (48 CFR Chapter 2) clause with an authorized deviation is indicated by the addition of "(DEVIATION)" after the name of the regulation.

(End of clause)

252.203-7997 PROHIBITION ON CONTRACTING WITH ENTITIES THAT REQUIRE CERTAIN

INTERNAL CONFIDENTIALITY AGREEMENTS (DEVIATION 2016-O0003)(OCT 2015)

CONTRACT NO. N00178-14-D-7593	DELIVERY ORDER NO. N6449819F3018	PAGE 38 of 40	FINAL
----------------------------------	-------------------------------------	------------------	-------

(a) The Contractor shall not require employees or subcontractors seeking to report fraud, waste, or abuse to sign or comply with internal confidentiality agreements or statements prohibiting or otherwise restricting such employees or contractors from lawfully reporting such waste, fraud, or abuse to a designated investigative or law enforcement representative of a Federal department or agency authorized to receive such information.

(b) The Contractor shall notify employees that the prohibitions and restrictions of any internal confidentiality agreements covered by this clause are no longer in effect.

(c) The prohibition in paragraph (a) of this clause does not contravene requirements applicable to Standard Form 312, Form 4414, or any other form issued by a Federal department or agency governing the nondisclosure of classified information.

(d)(1) Use of funds appropriated (or otherwise made available) by the Continuing Appropriations Act, 2016 (Pub. L. 114-53) or any other FY 2016 appropriations act that extends to FY 2016 funds the same prohibitions as contained in sections 743 of division E, title VII, of the Consolidated and Further Continuing Appropriations Act, 2015 (Pub. L. 113-235) may be prohibited, if the Government determines that the Contractor is not in compliance with the provisions of this clause.

(2) The Government may seek any available remedies in the event the Contractor fails to perform in accordance with the terms and conditions of the contract as a result of Government action under this clause.

(End of clause)

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

(a) Definitions. As used in this clause—

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

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

(b) The Contractor—

(1) Agrees not to—

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

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

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

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

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

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

CONTRACT NO. N00178-14-D-7593	DELIVERY ORDER NO. N6449819F3018	PAGE 39 of 40	FINAL
----------------------------------	-------------------------------------	------------------	-------

supervision, or retention; and

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

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

(d) The Secretary of Defense may waive the applicability of the restrictions of paragraph (b) of this clause in accordance with Defense Federal Acquisition Regulation Supplement 222.7404.

(End of clause)

CONTRACT NO. N00178-14-D-7593	DELIVERY ORDER NO. N6449819F3018	PAGE 40 of 40	FINAL
----------------------------------	-------------------------------------	------------------	-------

SECTION J LIST OF ATTACHMENTS

Exhibit A-

CDRL A001

CDRL A002

CDRL A003

CDRL A004

Attachment 1- DD 254

Attachment 2- Cost Summary Format

Attachment 3- Direct Labor Rate Substantiation Table