

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE U	PAGE OF PAGES 1 2	
2. AMENDMENT/MODIFICATION NO. 05	3. EFFECTIVE DATE 07-Aug-2009	4. REQUISITION/PURCHASE REQ. NO. N5523609RCD0266		5. PROJECT NO. (If applicable) N/A
6. ISSUED BY SOUTHWEST REGIONAL MAINTENANCE CENTER 3755 BRINSER STREET, SUITE 1 SAN DIEGO CA 92136-5025 Hermer.Tena@navy.mil 619-556-3415	CODE N55236	7. ADMINISTERED BY (If other than Item 6) DCMA SAN DIEGO 7675 DAGGET STREET, SUITE 200 SAN DIEGO CA 92111-2241		CODE S0514A

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code)
Epsilon Systems Solutions, Inc.
1565 Hotel Circle South, Suite 200
San Diego CA

CAGE CODE 1HQ30 FACILITY CODE 035529804	[X]	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
		10A. MODIFICATION OF CONTRACT/ORDER NO. N00178-04-D-4048-NW01
		10B. DATED (SEE ITEM 13) 01-Jul-2009

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

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

12. ACCOUNTING AND APPROPRIATION DATA (If required)
SEE SECTION G

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

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

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

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible)
SEE PAGE 2

15A. NAME AND TITLE OF SIGNER (Type or print) Donald M. Baker, Contracts Manager		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) John D Van Gorp, Contracting Officer	
15B. CONTRACTOR/OFFEROR /s/Donald M. Baker (Signature of person authorized to sign)	15C. DATE SIGNED 27-Aug-2009	16B. UNITED STATES OF AMERICA BY /s/John D Van Gorp (Signature of Contracting Officer)	16C. DATE SIGNED 28-Aug-2009

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GENERAL INFORMATION

The purpose of this modification is to 1) add funding and 2) add 'Attachment 8: Technical Direction Letter (TDL) 0905, dated 06 AUG 2009'. Accordingly, said Task Order is modified as follows:

1) FUNDING INFORMATION

- a. The total funded under this task order is increased by [REDACTED], from [REDACTED] to [REDACTED].
- b. The total funded amount under this task order for CLIN 4001 LABOR as a result of this modification is hereby increased by [REDACTED], from [REDACTED], to [REDACTED].
- c. The funded amount applied to CLIN 6001 TRAVEL as a result of this modification remains the same.
- d. The total funded amount under this task order for CLIN 6101 MATERIAL as a result of this modification is hereby increased by [REDACTED], from [REDACTED] to [REDACTED].
- e. Accounting Information:

TDL	ACRN	LOA	DOC	AMOUNT
0905	AF	1791804.70BA 252 55236 0 068688 2D CD0266 55236950284Q	N5523609RCD0266	[REDACTED]

2) SECTION J: ATTACHMENTS

Add 'Attachment 8: Technical Direction Letter (TDL) 0905, dated 06 AUG 2009'

The total value of the task order remains unchanged.

A conformed copy of this Task Order is attached to this modification for information purposes only.

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SECTION B SUPPLIES OR SERVICES AND PRICES

CLIN - SUPPLIES OR SERVICES

For Cost Type Items:

4000 Labor

Item	Supplies/Services Qty	Unit	Est. Cost	Fixed Fee	CPFF
4001	Labor for 2 July 2009 through 1 July 2010. (O&MN,N)	1.0 Lot	██████████	██████████	██████████
400101	Funding Document N5523609RC02345 (O&MN,N)				
400102	Funding Document N5523609RCD0259 (O&MN,N)				
400103	Funding Document N5523609RCD0258 (O&MN,N)				
400104	Funding Document N5523609RCD0255 (O&MN,N)				
400105	Funding Document N5523609RCD0263 (O&MN,N)				
400106	Funding Document N5523609RCD0266 (O&MN,N)				
4002	Labor for 2 July 2010 through 1 July 2011. (O&MN,N) Option	1.0 Lot	██████████	██████████	██████████
4003	Labor for 2 July 2011 through 1 July 2012. (O&MN,N) Option	1.0 Lot	██████████	██████████	██████████
4004	Labor for 2 July 2012 through 1 July 2013. (O&MN,N) Option	1.0 Lot	██████████	██████████	██████████
4005	Labor for 2 July 2013 through 1 July 2014. (O&MN,N)	1.0 Lot	██████████	██████████	██████████

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Option

For ODC Items:

Item	Supplies/Services Qty	Unit	Est. Cost
6000	Travel		
	██████████		
6001	Travel for 2 July 2009 through 1 July 2010. (O&MN,N)	1.0 Lot	██████████
6002	Travel for 2 July 2010 through 1 July 2011. (O&MN,N) Option	1.0 Lot	██████████
6003	Travel for 2 July 2011 through 1 July 2012. (O&MN,N) Option	1.0 Lot	██████████
6004	Travel for 2 July 2012 through 1 July 2013. (O&MN,N) Option	1.0 Lot	██████████
6005	Travel for 2 July 2013 through 1 July 2014. (O&MN,N) Option	1.0 Lot	██████████
6100	Other Direct Costs		
	██████████		
6101	MATERIALS for 2 July 2009 through 1 July 2010. (O&MN,N)	1.0 Lot	██████████
610101	Funding Document N5523609RCD0259 (O&MN,N)		
610102	Funding Document N5523609RCD0258 (O&MN,N)		
610103	Funding Document N5523609RCD0255 (O&MN,N)		
610104	Funding Document N5523609RCD0263		

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(O&MN, N)

610105 Funding Document
N5523609RCD0266
(O&MN, N)

6102 ODCs for 2 July 1.0 Lot [REDACTED]
2010 through 1
July 2011.
(O&MN, N)
Option

6103 ODCs for 2 July 1.0 Lot [REDACTED]
2011 through 1
July 2012.
(O&MN, N)
Option

6104 ODCs for 2 July 1.0 Lot [REDACTED]
2012 through 1
July 2013.
(O&MN, N)
Option

6105 ODCs for 2 July 1.0 Lot [REDACTED]
2013 through 1
July 2014.
(O&MN, N)
Option

Note A. Offeror shall complete the estimated cost, fee, and CPFF above.

52.216-1 TYPE OF CONTRACT (APR 1984)

The Government contemplates award of a CPFF contract resulting from this solicitation.

(End of provision)

N00244B010 FEE ADJUSTMENT DUE TO VARIATIONS IN THE LEVEL OF EFFORT AND PAYMENT OF FEE (AUG 1992) (FISC SAN DIEGO)

This contract requires performance by the Contractor for a base period and four option periods as identified in Section B and elsewhere herein. It is understood that the actual quantity of effort required hereunder may fluctuate from the amount estimated by the parties.

The total number of hours of direct labor (including overtime and subcontract hours, but excluding holiday, sick leave, vacation and other excused absence hours) anticipated to be expended hereunder is estimated to be [REDACTED] hours per contract period, which quantity, as set forth herein or as expressly changed by formal modification hereto, is hereinafter referred to as the "estimated total hours."

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If, at any time during a performance period of this contract, the number of direct hours utilized under this contract exceeds 85% of the estimated total hours, or if the total number of estimated hours required under delivery orders issued hereunder exceeds the estimated total hours, the contractor shall immediately notify the Contracting Officer of such circumstances.

The estimated cost and fixed fee are based on the estimated total hours. If the Contracting Officer determines that a quantity of hours greater than the estimated total hours is required, the fee may be adjusted by negotiated agreement. In the event that less than the estimated total hours established for the performance period are utilized, the fee shall be proportionately reduced to reflect the reduction in work. The Government shall make payment, on account of the fixed fee, at the rate of

Base Period: [REDACTED]
Option Period I: [REDACTED]
Option Period II: [REDACTED]
Option Period III: [REDACTED]
Option Period IV: [REDACTED]

per direct labor hour invoiced by the Contractor under the clause entitled "Fixed Fee" (FAR 52.216-8) for the related period, subject to the withholding provisions of paragraph (b) of said clause. If delivery orders are issued under this contract, the total of all such payments shall not exceed 85 percent of the fixed fee specified under each delivery order. Any balance of fixed fee shall be paid the Contractor, or any overpayment of fixed fee shall be repaid by the Contractor or otherwise credited to the Government, at the time of final payment.

Nothing herein shall be construed to alter or waive any of the rights or obligations of either party pursuant to the clause hereof entitled "Limitation of Costs" or "Limitation of Funds" either of which clause as incorporated herein shall apply to each individual delivery order issued hereunder.

N00244B011 LEVEL OF EFFORT – OPTION PERIOD (AUG 1988) (FISC SAN DIEGO)

The terms of the above provision entitled "Fee Adjustments Due to Variations in the Level of Effort" shall apply to base and all option period(s).

Any unused level of effort (direct labor hours) or estimated cost from one contract period is not transferable or available for use in a subsequent (option) period.

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SECTION C DESCRIPTIONS AND SPECIFICATIONS

PERFORMANCE WORK STATEMENT

1.0 BACKGROUND

The Southwest Regional Maintenance Center (SWRMC) has primary mission responsibility to provide direct support to fleet units and Type Commanders in matters of waterfront repair assessment, techniques, and training associated with the operation, installation, maintenance, repair and readiness of shipboard equipment and systems. Using Information Technology (IT) and leveraging specialized experiences of the command's personnel and contracting resources, SWRMC has implemented various programs to increase the reliability and maintainability of shipboard Combat Systems (CS) and Hull, Mechanical, Electrical and Electronics (HM&E). This process encompasses dedicated field technical support, enhanced availability planning, emergent systematic technical and repair assistance, automated maintenance techniques, documentation and procedures in accordance with defined Navy maintenance philosophies and systematic program management oversight. SWRMC has a continued need for contractor personnel to support its mission.

1.1 SCOPE OF WORK

The SWRMC HM&E Fleet Technical Assistance Technical Support Services Contract requires the selected Offeror (Contractor) to provide engineering, technical, training, installation, repair and program support services. The Contractor shall provide qualified personnel, tooling, equipment and necessary facilities to perform troubleshooting and failure mode analysis, engineering, field engineering, technical support, fleet support, industrial support and installation services to support SWRMC's Production Department, Engineering Department and Waterfront Operations Department programs. The tasks described herein are intended as typical tasks only, and do not specify or limit the actual tasks which may be issued. The Contractor will provide forces afloat and authorized government agencies with the following general support:

- 1.1.1. The assessment and maintenance of shipboard systems and equipment.
- 1.1.2. Training in maintenance and overhaul processes as well as the identification, compilation and production of measures of effectiveness (MOEs).
- 1.1.3. Data analysis.
- 1.1.4. Engineering, reverse engineering, maintenance, troubleshooting, and repair of shipboard equipment.
- 1.1.5. Provide program support for various programs such as Technical Assessment, Repair Guidance and Engineering Teams (e.g., TSRA), Combat System Command, Control, Communications and Computer Readiness Assessments (C5RA), Shipboard Habitability Assessment Support Programs, SMART Ship Program, Board of Inspection and Survey (INSURV), Power Assessment Repair and Training (PSART), Diesel Inspections, Marine Gas Turbine Inspections, and other engineering assessment programs. The Contractor shall provide the support for both current and future SWRMC programs as may be directed in individual Technical Direction Letters (TDLs). A Technical Direction Letter is defined as a letter incorporated into the task order that provides direction to the contractor that is more specific than provided in the Performance Work Statement.

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1.1.6. Provide support for system or equipment grooms, on the job training, formal classroom training, on board maintenance training, feedback for training modules or curricula, and provide functional system or equipment modifications, alterations, and overhauls.

1.1.7. Accomplishment of the tasks described herein which include information systems shall be in accordance with the latest Integrated Technology 21 (IT-21) standards. Some tasks may include development of internet/intranet web sites; development of these web sites will be in accordance with established Navy Policies and Security guidelines.

1.2. PERIOD OF PERFORMANCE/PLACE OF PERFORMANCE

1.2.1. The period of performance shall be for a period of twelve months commencing with the date of award, with four additional option periods of twelve months duration each.

1.2.2. The place of performance shall be identified in individual TDLs but the majority of the effort associated with this contract shall be performed at U.S. Government and/or the Contractor's facilities in the San Diego/Southern California area. It is anticipated that infrequent travel to locations outside the San Diego area may also be required, and will be directed in individual TDLs. Examples of such locations outside the San Diego/Southern California area include, but are not limited to, Port Hueneme, CA, Pearl Harbor, HI, Seattle, Bremerton and Everett, WA, Charleston, SC, Norfolk, VA, Philadelphia, PA, Washington, D.C., Yokosuka and Sasebo, Japan, Singapore, the Arabian/Persian Gulf Area of Operations (including Bahrain, Jebel Ali and Dubai), Korea, Guam, and at sea on various U. S. Navy, U. S. Coast Guard, Military Sealift Command (MSC) and Foreign Military Sales (FMS) ships, vessels and craft.

1.2.3. The Contractor may also be directed to perform tasks at other government/commercial activities as designated in individual TDLs.

1.3 GOVERNMENT FURNISHED EQUIPMENT/MATERIALS/FACILITIES

Government Furnished Equipment, Materials or Facilities shall be identified in individual TDLs.

1.4 SECURITY

1.4.1. The work to be performed under this task order may involve access to, handling of, and generation of classified material. The Contractor shall appoint a Security Officer who shall (1) be responsible for all security aspects of the work performed under this task order, (2) assure compliance with all DOD and U.S. Navy specific regulations regarding security, and (3) assure compliance with any written instructions from the Security Officers of the activity issuing a TDL under this task order. Specific security requirements applicable to the work to be performed under each TDL will be identified in the TDL. A DD FORM 254 will be prepared by the ordering activity and issued with the solicitation, with a final DD Form 254 prepared and issued with the awarded Seaport-e Task Order. If the work being performed under the TDL would require access to Government Information Technology Systems, then the TDL would be modified.

1.4.2. The Contractor shall submit visit requests and clearance information, as applicable, to the SWRMC Security Office. Pier lay-down areas, if required, shall be requested from the Naval Base San Diego Port Operations Department prior to the start of work.

2.0 APPLICABLE DOCUMENTS

This Performance Work Statement (PWS) or TDL may specify the applicability of various military

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and industrial specifications, standards, and handbooks. Unless otherwise specified, the revision level and date for each specification cited within this solicitation or TDL shall be the specific version listed in the Department of Defense Index of Specifications and Standards (DODISS) current on the date of task order award. When required for the performance of ordered tasks, the Contractor shall obtain the required documents from the technical originator of the individual TDL as Government Furnished Information. As a minimum, the following documents apply:

- 2.1. OPNAVINST 4790.4 (series)
- 2.2. Ships' Maintenance and Material Management Manual
- 2.3. MIL-STD-2052 Systems Design Standard
- 2.4. NAVSEA S9AAO-AN-SPN-010, General Specifications for Ships of the U.S. Navy
- 2.5. NAVSEA S9AAO-AB-GOS-010, General Specifications for Overhaul
- 2.6. MIL-STD-001379, Contract Training Programs
- 2.7. DOD-STD-480A, Configuration Control and Engineering Changes
- 2.8. MIL-STD-481A, Configuration Control and Engineering Changes
- 2.9. NAVSEA S9086-AA-STM-010/CH-001, Naval Ships Technical Manuals
- 2.10. Institute of Electrical and Electronics Engineers Standards
- 2.11. CINCPACTFLTINST 4700.10, Fleet Technical Support Policies
- 2.12. COMNAVAIRPACTINST 4700.1, Ship Material Manual
- 2.13. NAVSEA S9081-AB-GIB-010/MAINT, Reliability Centered Maintenance Handbook
- 2.14. OPNAVINST 4700.7J, Maintenance Policy for Naval Ships
- 2.15. COMFLTFORCOMINST 4790.3, Joint Fleet Maintenance Manual
- 2.16. NAVSEA S9086-HY-STM-003/CH 254, Condensers
- 2.17. OPNAVINST 9233.1A, U.S. Navy Diesel Inspection and Inspector Training and Certification Program
- 2.18. OPNAVINST 9234.1A, Marine Gas Turbine Inspector (MGTI) Program
- 2.19. CINCPACFLTINST 4341.1H, Fleet Technical Assistance (FTA) Program
- 2.20. NAVSEA SS521-AA-MAN-010, U.S. Navy Diving and Manned Hyperbaric Systems Safety Certification Manual
- 2.21. NAVSEA 0994-LP-001-9010, U.S. Navy Diving Manual
- 2.22. MIL-STD-1330D, Standard Practice for Precision Cleaning and Testing of Shipboard

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Oxygen, Helium, Helium-Oxygen, Nitrogen and Hydrogen Systems

3.0 SYNOPSIS OF REQUIREMENTS

The specific tasks to be accomplished under this task order will be specified in the individual TDL. The Contractor shall perform tasks assigned within the parameters of specific TDLs as outlined therein. Support may involve work on or support of work on non-nuclear equipment, surface ship systems, submarine systems, aircraft carrier systems, small boat/vessel and associated towing equipment systems, and any other equipment and systems which are related to, similar to, or interface with the primary equipment and systems when such work is an integral part of the listed systems.

3.1. Maintenance and Repair Support. The Contractor shall be required to provide assessment, maintenance and repair support as outlined in the following typical tasks, which are representative but not all-inclusive of the support required in this area:

3.1.1. Identify causes for equipment/system failure to the component level.

3.1.2. Provide forces afloat, both in support of Battle Group Initiatives and individual ships and submarines, and/or other Government agencies with the repair, renovation, and restoration of the effected equipment/system as defined by TDLs.

3.1.3. Provide on the job training to forces afloat and other government personnel relative to the operation, maintenance, grooming, overhaul, and repair of specific systems or equipment.

3.1.4. Develop and maintain listings of material deficiencies accordance with OPNAVINST 4790.4 (series), including the automated completion and interface with ships' CSMP.

3.1.5. Prepare and develop maintenance action reporting documentation (including automated interfacing), OPNAV FORM 4790 2K, preliminary PWS, Formal Work Packages (FWPs) and Controlled Work Packages (CWPs) required to restore systems and/or equipment to optimal operation at the "O" organizational level in support of SWRMC work items.

3.1.6. Provide proposed work schedules, progress updates, material delivery schedules, briefing outlines, and in-brief/out-brief narratives for all SWRMC work items in progress.

3.1.7. Provide forces afloat and/or involved Navy technical activities, including regional repair activities, with testing and grooming of systems and equipment.

3.1.8. Establish a baseline of current material condition after each scheduled major availability using maintenance and diagnostic data, operational condition assessments, and other information.

3.1.9. Provide and maintain historical archives of engineering evaluations and recommended changes for improvements of systems and equipment.

3.1.10. Oversee depot and repair facilities to accomplish installations, modifications, overhaul, repair and training for equipment and systems.

3.1.11. Troubleshoot equipment malfunctions and failures, and restore operation by replacement, or repair, as appropriate.

3.1.12. Study operational procedures or maintenance problems and recommend solutions including changes to operational and maintenance documentation.

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3.2. Program Support. The Contractor shall be required to provide program support of the following typical programs and functional checks, which are representative but not all-inclusive of the support required in this area (support will include any and all existing or new programs that affect shipboard maintenance for which SWRMC is cognizant):

3.2.1. Technical Assessments (TSRA).

3.2.2. Combat System Readiness Reviews (C5RA).

3.2.3. Shipboard Habitability Assessment & Repair Program.

3.2.4. Underway Material Inspections (UMI) and Final Contract Trials (FCT).

3.2.5. Diesel Engine Inspection (DEI) (Requires U.S. Navy Certified Inspectors).

3.2.6. Marine Gas Turbine Inspection (MGTI) (Requires U.S. Navy Certified Inspectors).

3.2.7. SMART Ship Technology, including, but not limited to, Damage Control System (DCQ), Machinery Control System (MCS), Integrated Condition Assessment System (ICAS, SMART Ship, and ICAN), and Integrated Bridge System (IBS).

3.2.8. Attend various meetings and conferences in support of the Programs listed in paragraphs 3.2.1 through 3.2.7 in the role of Subject Matter Expert (SME) as defined by TDL. The contractor will not represent the Government at these meetings and conferences. The contractor shall attend conferences, provide input to various forums to take place, take note of class problems and maintenance concerns involving Pacific Fleet assets, gather all new information in order to put out to the technical community during the conference and provide a detailed trip report. When tasked, host and scribe the conference, provide minutes and agenda items.

3.2.9. Develop and maintain various unclassified databases utilizing commercially available software and hardware in support of these programs.

3.2.10. Develop and maintain specialized (e.g., pen-based) computer programs as specified in each TDL.

3.2.11. Troubleshoot and repair of SWRMC owned software and hardware, including FAST and any follow-on or successor programs.

3.2.12. Provide functional checks to include the identification and documentation of system/equipment problems and correct/repair failures, as well as identification and documentation of support deficiencies and recommend corrective action.

3.2.13. Develop and provide on the job training for functional checks for forces afloat maintenance personnel in support of the Programs listed in paragraphs 3.2.1 through 3.2.7. Tasks may occasionally include the development of test specifications.

3.3. Installation Support. The Contractor shall be required to provide installation support for the SWRMC role in Alteration Installation Teams (AIT), Ship Alterations (SHIPALTs) and Machinery Alterations (MACHALTs) as outlined in the following typical tasks, which are representative but not all-inclusive of the support required in this area:

3.3.1. Provide assets for installation.

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- 3.3.2. Provide oversight of installation functions.
- 3.3.3. Perform initial and final checkouts of equipment.
- 3.3.4. Complete operational tests of all installations upon completion.
- 3.3.5. Provide shop facilities to prefabricate parts and components.
- 3.3.6. Adapt and modify documentation as defined by TDLs.
- 3.3.7. Ensure data provided is correct.
- 3.3.8. Develop schedules, installation plans, plans of action and milestones (POA&M), databases, and status reports as required.

3.4. On-Board Maintenance Training Support. The Contractor shall be required to provide on-board maintenance training support in support of the Programs listed in paragraphs 3.2.1 through 3.2.7 as outlined in the following typical tasks, which are representative but not all-inclusive of the support required in this area:

- 3.4.1. Plan, develop, prepare, and conduct maintenance training both on board ship and in the classroom.
- 3.4.2. Conduct on the job training, in conjunction with repair tasking, in the proper operation and maintenance of various systems and equipment.
- 3.4.3. Develop on board maintenance training curricula, student handouts and instructor guides for use in accomplishing on board maintenance training or familiarization workshops for forces afloat personnel or personnel who are tasked with repairing, operating or maintaining ship board systems and equipment. Much of the on board maintenance training curricula, student handouts and instruction guides will be computer-based. On board maintenance training curricula that is not computer-based will be converted to computer-based training as directed by the Task Order Manager (TOM) identified in individual TDL.
- 3.4.4. Maintain records of all maintenance training conducted for Government personnel including identification of person(s) trained, parent command of person trained, location of training, subject of training, date of training conducted, and duration of training.
- 3.4.5. Revise existing curriculum to meet changing overall training and/or course objectives.
- 3.4.6. Evaluate aforementioned maintenance training curriculum. Validate the effectiveness of the maintenance training and the meeting of the maintenance training objectives. Provide appropriate recommendations to the TOM identified in individual TDLs.

3.5. Computer Hardware and Software Support. All support provided in this category shall be IT-21 compliant. The Contractor shall be required to provide computer hardware and software support as outlined in the following typical tasks, which are representative but not all-inclusive of the support required in this area:

- 3.5.1. Perform data entry operations using various types of devices such as Portable Data Takers (PDT), pen computers, scanners, keyboards, keypads, and assorted pointing devices (mouse, etc.).

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3.5.2. Provide fault isolation for bus and system interfaces between data generation entities (machinery), data collection entities (LAN clients), and data utilization entities (application software running on the client).

3.6. Provide Hyperbaric Facilities Engineering Support. The Contractor shall be required to provide hyperbaric facilities support in the form of labor and materials for the operation, maintenance, repair and testing of government hyperbaric facilities, including preparation and submittal of all required documents, records and manuals. The contractor shall maintain, repair, test, and refurbish hyperbaric facilities in accordance with NAVSEA SS521-AA-MAN-010, "U.S. Navy Diving and Manned Hyperbaric Systems Safety Certification Manual" and NAVSEA 0994-LP-001-9010, "U.S. Navy Diving Manual." The contractor shall also perform system and component cleaning and have personnel certified in accordance with MIL-STD-1330D.

3.7. Provide Rigid Hull Inflatable Boat Assessment, Maintenance and Repair Support. The Contractor shall be required to provide specialized technical support representative services and guide in conducting systems/equipment assessment, maintenance documentation, and corrective maintenance services pertinent to the maintenance, repair, correction of material condition discrepancies, or replacement of various classes of Rigid Hull Inflatable Boats (RHIBs), including as a minimum 5-, 7-, 9-, 11-, and 13-Meter RHIBs. This support shall include receiving RHIBs from ships entering CNO availability periods, assessing the condition of each RHIB, providing condition report with recommendations, performing repairs as authorized by the SWRMC TPOC, surveying boats found to be beyond economical repair and making each RHIB Ready for Issue back to the ship. This support shall also include maintaining the SWRMC rotating pool assets in ready condition and providing replacement RHIBs to ships suffering casualties to their Ready Lifeboat assets.

3.8. Provide Patrol Craft Assessment, Maintenance and Repair Support. The Contractor shall be required to provide specialized technical support representative services in conducting systems/equipment assessment, maintenance documentation, and corrective maintenance services pertinent to the maintenance, repair, correction of material condition discrepancies, or replacement of installed small boat HM&E Systems and support equipment as follows:

3.8.1. Conduct all boat/support equipment and vehicle assessments in accordance with 3M System maintenance requirements. Accomplish repairs and HM&E project maintenance onboard assigned homeland harbor defense/security small craft/support vehicles.

3.8.2. Provide engineering technical personnel support at the MESH-1 boat maintenance facility at Naval Facility Imperial Beach, CA (with the potential for other site support) for the continuous maintenance of (as a minimum) the following types of craft and associated equipment:

3.8.2.1. Boston Whalers

3.8.2.2. Minnow Patrol Boats

3.8.2.3. Motor Whale Boats

3.8.2.4. 34 Foot SeaArk Patrol Boats

3.8.2.5. 32 Foot Kingston Patrol Boats

3.8.2.6. 50 Foot Personnel Boats

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- 3.8.2.7. 7 and 11 Meter Rib Boats
- 3.8.2.8. HMMV Tow Vehicles
- 3.8.2.9. Various Classes of Tow Trailers
- 3.8.2.10. Portable Boat Power Generator Equipment
- 3.8.2.11. Peterbilt transportation support vehicles
- 3.8.2.12. Various light- and medium-duty trucks
- 3.8.2.13. Various sizes of diesel-powered and electric forklifts
- 3.8.2.14. Personal Watercraft (“Jet Skis”) reconnaissance assets

3.8.3. The contractor may also be required to provide oversight-level management functions of such repair efforts described above as required to support NAVSEA-level oversight and support of said patrol craft continuous maintenance.

3.8.4 Performance Based Standards:

Program Element:	Performance Objective:	Performance Standard:	Acceptable Quality Level (AQL):	Quality Surveillance Plan Typical Monitoring Methods:
3.1 Maintenance and Repair Support	Scope of work reviewed.	Within one working day of receipt.	Discrepancies found reported and alternative solutions recommended.	Technical review of proposals and proposal questions.
	Provide assessment, maintenance and repair support in support of Fleet readiness.	Identify causes of equipment/system failure to the component level.	Causes of failure identified or action recommended to take troubleshooting to further level.	Physical oversight, ship's force feedback and review of technical reports developed.
	Provide assistance in repair and restoration of effected equipment or system.	Actions taken as authorized by SWRMC.	Equipment or system restored to operational status or action recommended to take repairs to further level.	Physical oversight, ship's force feedback and review of technical reports developed.
	Provide technical assistance and on the job training.	Ship's force trained in operation, maintenance, grooming and repair of specific systems or equipment.	Ship's force able to operate and maintain systems or equipment in ready status.	Physical oversight, ship's force feedback and review of technical reports developed.
	Material deficiencies documented.	In accordance with the 3M Manual OPNAVINST 4790.4 (series).	CSMP upload provided to ship's force.	Review of deliverables provided.

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	Assist ship's force in documenting known material deficiencies.	In accordance with the 3M Manual OPNAVINST 4790.4 (series).	Work packages provided to ship's force.	Review of deliverables provided.
	Work progressed.	Production schedule, material status reports and progress updates provided.	In accordance with schedule established for work accomplishment.	Review of deliverables provided.
	Provide assistance in testing and grooming of systems and equipment.	In accordance with Technical Manuals or other approved documentation.	Test results reported with corrective action recommended, if required.	Review of test memoranda.
	Establish material condition baseline after major availability.	Test memoranda, maintenance reports and other condition assessment data compiled.	Baseline report provided to government.	Review of baseline report.
	Historical archive maintained.	Engineering evaluations and recommended changes compiled.	Archives readily accessible by government personnel.	Government technical personnel feedback.
	Provide oversight assistance.	Depot or other repair facilities provided guidance in accordance with Technical Manuals and standard engineering practices.	Equipment or system restored to operational status or action recommended to take repairs to further level.	Physical oversight, ship's force feedback and review of technical reports developed.
	Troubleshooting of equipment failures and malfunctions.	In accordance with Technical Manuals or other approved documentation.	Equipment or system restored to operational status or action recommended to take repairs to further level.	Physical oversight, ship's force feedback and review of technical reports developed.
	Operational procedures and maintenance problems studied.	In accordance with Technical Manuals or other approved documentation.	Changes to operational or maintenance procedures recommended as required.	Review of deliverables provided.
3.2 Program Support	Scope of work reviewed.	Within one working day of receipt.	Discrepancies found reported and alternative solutions recommended.	Technical review of proposals and proposal questions.
	Support provided for Functional Checks (TSRA, C5RA, INSURV,	In accordance with Functional Check Schedule.	Conditions found and actions taken reported to Assessment	Physical oversight, ship's force feedback and review of

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	etc.)		Director.	technical reports developed.
	Program initiatives supported as required (DEI, MGTI, SmartShip, etc.).	SWRMC programs supported as necessary.	Meetings attended, databases developed and maintained, SWRMC software and hardware support provided.	Physical oversight, ship's force feedback and review of technical reports developed.
3.3 Installation Support	Scope of work reviewed.	Within one working day of receipt.	Discrepancies found reported and alternative solutions recommended.	Technical review of proposals and proposal questions.
	Provide assets for installation.	In accordance with approved SHIPALT, MACHALT, BOATALT or other technical documentation.	Installation accomplished or changes to documentation recommended to allow for completion.	Physical oversight, ship's force feedback and review of technical reports developed.
	Provide oversight assistance.	In accordance with approved SHIPALT, MACHALT, BOATALT or other technical documentation.	Installation accomplished or changes to documentation recommended to allow for completion.	Physical oversight, ship's force feedback and review of technical reports developed.
	Work progressed.	Production schedule, material status reports and progress updates provided.	In accordance with schedule established for work accomplishment.	Review of deliverables provided.
	Installation testing accomplished.	In accordance with approved SHIPALT, MACHALT, BOATALT or other technical documentation.	Testing and check-out accomplished or changes to documentation recommended to allow for completion.	Physical oversight, ship's force feedback and review of technical reports developed.
3.4 On-board Maintenance Training Support	Scope of work reviewed.	Within one working day of receipt.	Discrepancies found reported and alternative solutions recommended.	Technical review of proposals and proposal questions.
	Develop curricula for OBMT.	In accordance with Technical Manuals or other approved documentation.	Curricula established and approved by government.	Review of deliverables provided.
	Evaluate and maintain curricula for OBMT.	In accordance with changes promulgated.	Course objectives met and changes approved by the government.	Review of deliverables provided.
	Conduct OBMT	In accordance with approved curricula.	Ship's force able to operate and	Physical oversight, ship's

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	Maintain records of OBMT provided.	Identify persons trained, command, location of training, subject of training, date and duration.	maintain systems or equipment in ready status. Records readily accessible by government personnel.	force feedback and review of technical reports developed. Government technical personnel feedback.
3.5 Computer Hardware and Software Support	Scope of work reviewed.	Within one working day of receipt.	Discrepancies found reported and alternative solutions recommended.	Technical review of proposals and proposal questions.
	Perform data entry operations.	Within acceptable industry standards.	Data entered and applicable reports provided to government, or reason for inability to enter data reported.	Physical oversight, ship's force feedback and review of technical reports developed.
	Provide connection integrity.	Fault isolation maintained between monitoring equipment and equipment being monitored.	Data quality maintained for automatic recorders.	Physical oversight, ship's force feedback and review of technical reports developed.
3.6 Hyperbaric Facilities Engineering Support	Scope of work reviewed.	Within one working day of receipt.	Discrepancies found reported and alternative solutions recommended.	Technical review of proposals and proposal questions.
	Scope of work accomplished.	In accordance with Technical Manuals or other approved documentation.	Equipment or system restored to operational status or action recommended to take repairs to further level.	Physical oversight, ship's force feedback and review of technical reports developed.
3.7 RHIB Assessment, Maintenance and Repair Support	Scope of work reviewed.	Within one working day of receipt.	Discrepancies found reported and alternative solutions recommended.	Technical review of proposals and proposal questions.
	Assessment accomplished.	In accordance with Technical Manuals or other approved documentation.	Conditions found reported with recommended actions.	Review of conditions found report.
	Maintenance and Repairs accomplished.	In accordance with Technical Manuals or other approved documentation.	Equipment or system restored to operational status or action recommended to take repairs to further level.	Physical oversight, ship's force feedback and review of technical reports developed.
3.8 Patrol Craft	Scope of work	Within one working	Discrepancies	Technical review

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Assessment, Maintenance and Repair Support	reviewed.	day of receipt.	found reported and alternative solutions recommended.	of proposals and proposal questions.
	Assessment accomplished.	In accordance with Technical Manuals or other approved documentation.	Conditions found reported with recommended actions.	Review of conditions found report.
	Maintenance and Repairs accomplished.	In accordance with Technical Manuals or other approved documentation.	Equipment or system restored to operational status or action recommended to take repairs to further level.	Physical oversight, ship's force feedback and review of technical reports developed.

3.9. FACILITIES

The Government requires the Contractor to have and maintain a local facility within 15 miles of Naval Base San Diego (32nd Street) with office space and shop space to facilitate timely response to emergent Fleet requirements. A separate Contractor facility may be used for shop space at any remote location if desired. The requirement for maintaining the facility shall not be construed to mean the Government will be obliged to pay any direct costs in conjunction therewith. Further, the Contractor shall not be entitled to any direct payment in connection with any personnel set in readiness at or brought to such facility in preparation for or in expectation of work to be performed under the contract. Payment for labor hours and materials will be made only for such hours and materials actually expended in performance under the contract. It is anticipated that the Contractor's shop shall require delta-connected, 115 VAC, 60 Hz, 3-phase, 100 amp, shipboard electrical power wired outlets. It is also anticipated that the Contractor's shop space should have at least (but not be limited to) the following:

- 3.9.1. Ammeters (1-10 amps & 0-100 amps).
- 3.9.2. Frequency meters (60 HZ, 400 HZ).
- 3.9.3. Voltmeters (2 each digital & 2 each analog).
- 3.9.4. Compressed air (1-100 PSI).
- 3.9.5. Safety material (i.e. glasses, gloves, face shields).
- 3.9.6. Battery Charger.
- 3.9.7. Dynamometer.
- 3.9.8. Forklift or Lifting Frame (minimum 5-ton capacity).
- 3.9.9. The Contractor shall have access to a machine shop containing as a minimum:
 - 3.9.9.1. Lathe.

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- 3.9.9.2. Milling machine.
- 3.9.9.3. Drill press.
- 3.9.9.4. Sand blasting capability.
- 3.9.9.5. Parts cleaning tank.
- 3.9.9.6. Belt sanders.
- 3.9.9.7. Fiberglas repair services.
- 3.9.9.8. Welding services.
- 3.9.9.9. Pedestal grinder.

3.10. CONTRACTOR FURNISHED EQUIPMENT

The Contractor shall furnish all necessary materials and equipment required for the performance of the individual TDL. The Contractor shall be responsible for providing all hand tools necessary in the performance of this task order. Hand tools are defined as standard tools of the trade such as hammers, drills, screwdrivers, pliers, connector crimp tools, awls, saws, etc. and typical tools required to perform tasks as set forth in specific TDLs. It shall be the Contractor's responsibility to maintain all Contractor furnished test equipment properly calibrated and in a state of repair (ready for use) to the extent necessary to avoid impacting the performance requirements of this task order. The support called for in this task order shall be performed on board vessels, at the Contractor's facility, and/or at Government and/or commercial facilities in conjunction with forces afloat, IMA personnel and other Government agencies utilizing Government equipment, facilities, and special tools. Responsibility for the provision of basic mechanical and electrical tools and test equipment such as wrenches, hammers, pliers, meggers, meters and other common hardware shall rest with the Contractor. Some tasks will require Contractor-owned and/or operated computer hardware/software to perform under this contract. The Contractor shall be responsible for acquiring at no cost to the Government such computer hardware/software as is reasonably necessary for task order performance. Hardware and software shall meet IT-21 specifications. Laptop computers will be required for some shipboard programs. It is anticipated that the Contractor shall require (but not be limited to) at least the following minimum test equipment:

- 3.10.1. Hand held digital read-out tachometers.
- 3.10.2. Electrical simulation equipment.
- 3.10.3. Sufficient general-purpose electronic test equipment to perform, as a minimum, the tasks listed in paragraphs 3.1-3.8 above. The Contractor shall have access to Computer-Aided Design (CAD) capability (AutoCAD version 13 or 14) sufficient to reproduce engineering level drawings of shipboard systems and equipment interconnections.

3.11. PERSONNEL QUALIFICATIONS –

- 3.11.1. Key Personnel Labor Categories (Non-Department of Labor SCA Categories).

3.11.1.1. KEY PERSONNEL. The Offeror shall provide resumes for the key personnel identified as Administrative Program Manager, Technical Program Manager and Project Manager. These resumes will be evaluated by the Government against desired personnel qualifications listed below

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to determine the offeror representing the greatest value to the Government. The education, general experience and specialized experience offered in the proposal shall be the performance standard for the offered Key Personnel labor category for the duration of the contract. With respect to "Key Personnel Labor Categories," the proposed personnel qualifications, as set forth in their resumes, shall determine the "minimum qualifications" for key personnel. As indicated herein, the contractor shall not replace key personnel with personnel who do not have qualifications that meet or exceed those "minimums." Any changes in key personnel shall be the subject to approval by the contracting officer and subject to a formal bilateral contract modification recognizing those changes.

3.11.1.2. For the key labor categories listed below, when technical experience is desired, the proposed resume should provide proof of hands-on experience (vice managerial experience of other persons performing hands on-work). General and specialized experience may be acquired concurrently. The experience acquired within specialized areas may not be acquired concurrently.

3.11.1.3. Key Personnel Positions

3.11.1.3.1. Administrative Program Manager:

3.11.1.3.1.1. Education: Desired: A Bachelors Degree (in any discipline) from an accredited four (4) year university or college.

3.11.1.3.1.2. General Experience: Desired experience equivalent to that of twenty (20) years experience in Navy shipboard engineering systems and programs and including fifteen (15) years engineering experience in design, installation, operation, maintenance and repair of Navy shipboard systems.

3.11.1.3.1.3. Specialized Experience: Desired experience equivalent to that of fifteen (15) years of specialized experience, including experience equivalent to that of ten (10) of the fifteen (15) years as administrative experience involving direct control and responsibility over subordinate groups. The administrative experience should include defining project objectives and requirements, directing, coordinating and completing project efforts, interfacing with government personnel, and providing progress reports.

3.11.1.3.2. Technical Program Manager:

3.11.1.3.2.1. Education: Desired: A Bachelors Degree (in any discipline) from an accredited four (4) year university or college.

3.11.1.3.2.2. General Experience: Desired experience equivalent to that of fifteen (15) years experience in Navy shipboard engineering systems and programs and including experience equivalent to that of ten (10) years engineering experience in design, installation, operation, maintenance and repair of Navy shipboard systems.

3.11.1.3.2.3. Specialized Experience: Desired experience equivalent to that of ten (10) years of specialized experience, including experience equivalent to that of eight (8) of the ten (10) years as administrative experience involving direct control and responsibility over subordinate groups working in an engineering discipline. The administrative experience should include defining project objectives and requirements, directing, coordinating and completing project efforts, interfacing with government personnel, and providing progress reports. Desired experience equivalent to that of five (5) years experience in naval nuclear propulsion plant operations, maintenance and repair.

3.11.1.3.3. Project Manager:

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3.11.1.3.1. Education: Desired: A Bachelors Degree (in any discipline) from an accredited four (4) year university or college.

3.11.1.3.3.2. General Experience: Desired experience equivalent to that of ten (10) years engineering experience in design, installation, operation, maintenance and repair of Navy shipboard systems.

3.11.1.3.3.3. Specialized Experience: Desired experience equivalent to that of eight (8) years of specialized experience, including experience equivalent to that of at least five (5) of the eight (8) years as project manager involving direct control and responsibility over subordinate groups working in an engineering discipline. The management experience should include defining project objectives and requirements, directing, coordinating and completing project efforts, interfacing with government personnel, and providing progress reports.

3.11.2. Non- Key Personnel Labor Categories (Non-Department of SCA Labor Categories).

3.11.2.1. NON-KEY PERSONNEL. During contract performance the Government may request to review resumes of non-key contractor personnel proposed to be assigned and the Offeror shall be prepared to provide resumes. If the Ordering Officer or TOM questions the qualifications or competence of any individual proposed or performing under the TDL, the burden of proof to substantiate that individual's qualifications as prescribed herein shall rest with the Contractor. The government reserves the right during contract performance to require resumes to ensure the qualifications of the individual comply with any minimums set forth in the contract with respect to non-key personnel. The Contractor must have the personnel, organization, and administrative control necessary to ensure that all services performed meet all requirements as specified in the applicable TDL(s). The work history of each Contractor employee shall contain experience directly related to the tasks and functions to be assigned. The Ordering Officer reserves the right to determine if a given work history contains necessary, sufficiently detailed, and related experience to reasonably ensure the ability for effective and efficient performance.

3.11.2.2. Non-key personnel utilized by the Contractor in the performance of this task order shall meet any minimums with respect to experience, educational, and/or other background requirements that are set forth below. Contractor personnel shall be fully capable of performing in an efficient, reliable, and professional manner. For the non-key labor categories listed below, the proposed resume should provide proof of hands-on experience (vice managerial experience of other persons performing hands on-work). General and specialized experience may be acquired concurrently. The experience acquired within specialized areas may not be acquired concurrently. If the Offeror does not identify the labor categories listed below by the same specific title, then a cross-reference list shall be provided in the Offeror's proposal identifying the differences.

3.11.2.3. Non-Key Personnel Positions

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3.11.2.3.1. Electrical Engineer:

3.11.2.3.1.1. Education: A Bachelors Degree (electrical or electronics engineering) from an accredited four (4) year university or college. A Bachelor's Degree in engineering technology is acceptable when the individual possesses a state accredited engineer-in-training (EIT) certificate.

3.11.2.3.1.2. General Experience: Five (5) years experience in design, installation, operation, maintenance and repair of Navy shipboard systems.

3.11.2.3.1.3. Specialized Experience: Five (5) years of specialized experience, with experience equivalent to that of at least three (3) of the five (5) years as engineering experience in design or engineering support for shipboard systems. At least two (2) years experience in system overhaul/installation and testing of naval shipboard systems. At least two (2) years experience with Computer Aided Design systems.

3.11.2.3.2. Mechanical Engineer:

3.11.2.3.2.1. Education: A Bachelors Degree (mechanical engineering) from an accredited four (4) year university or college. A Bachelor's Degree in engineering technology is acceptable when the individual possesses a state accredited engineer-in-training (EIT) certificate.

3.11.2.3.2.2. General Experience: Five (5) years experience in design, installation, operation, maintenance and repair of Navy shipboard systems.

3.11.2.3.2.3. Specialized Experience: Five (5) years of specialized experience, with at least experience equivalent to that of three (3) of the five (5) years as engineering experience in design or engineering support for shipboard systems. At least two (2) years experience in system overhaul/installation and testing of naval shipboard systems. At least two (2) years experience with Computer Aided Design systems.

3.11.2.3.3. Senior Software Engineer:

3.11.2.3.3.1. Education: A Bachelors Degree (software engineering or computer science) from an accredited four (4) year university or college.

3.11.2.3.3.2. General Experience: Ten (10) years experience in the design, development, installation, maintenance and analysis of software systems directly related to the tasks described in paragraphs 3.1-3.9 above.

3.11.2.3.3.3. Specialized Experience: Ten (10) years of specialized experience, with experience equivalent to that of at least six (6) of the ten (10) as engineering experience in design or support of computer software systems. At least four (4) of the ten (10) years as experience in naval software systems supporting naval shipboard systems.

3.11.2.4. Software Engineer:

3.11.2.4.1. Education: A Bachelors Degree (software engineering or computer science) from an accredited four (4) year university or college.

3.11.2.4.2. General Experience: Five (5) years experience in the design, development, installation, maintenance and analysis of software systems directly related to the tasks described in paragraphs 3.1-3.9 above.

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3.11.2.4.3. Specialized Experience: Five (5) years of specialized experience, with experience equivalent to that of at least three (3) of the five (5) as engineering experience in design or support of computer software systems. At least two (2) of the five (5) years to be experience in naval software systems supporting naval shipboard systems.

3.11.2.5. Junior Engineer:

3.11.2.5.1. Education: A Bachelors Degree (electrical, mechanical, software or computer science engineering) from an accredited four (4) year university or college.

3.11.2.5.2. General Experience: No additional requirements.

3.11.2.5.3. Specialized Experience: No additional requirements.

3.11.2.6. Systems Analyst:

3.11.2.6.1. Education: An Associate Degree (computer related field).

3.11.2.6.2. General Experience: Four (4) years managerial experience on Naval engineering projects including design, maintenance, repair, testing, installation, or ship upgrade of Navy shipboard systems. Must be able to compile reports, charts and tables based on established statistical methods. May be required to direct or lead the work of others.

3.11.2.6.3. Specialized Experience: Experience equivalent to that of two (2) years analytical experience in Navy shipboard systems analysis. A basic knowledge and experience with the 3-M System (PMS, CSMP, OARS, COSAL, ILS, and/or the Ship Alteration and Fleet Modernization Programs is required. Must be knowledgeable of relationships, policies, and procedures for Ship maintenance between SWRMC, NAVSEA, TYCOMS, and Naval Shipyards.

3.11.2.7. Data Analyst:

3.11.2.7.1. Education: A High School Diploma.

3.11.2.7.2. General Experience: Two (2) years experience in areas of computer program analysis, design and development of management information systems, work breakdown structures, or work simplification techniques. One (1) year experience working on Naval engineering projects including design, maintenance, repair, testing, installation, or ship upgrade of Navy shipboard systems listed. Must be knowledgeable in commonly used SWRMC concepts, practices, and procedures.

3.11.2.7.3. Specialized Experience: No additional requirements.

3.11.3. Minimum Requirements (Department of Labor Categories). The following United States Department of Labor (DOL) wage determination occupation codes/titles will be utilized to support this task order effort. The personnel utilized must meet the minimum requirements described in the DOL Employment Standards for each occupation category listed below:

3.11.3.1. 14073 – Computer Programmer III

3.11.3.2. 14074 – Computer Programmer IV

3.11.3.3. 14102 – Computer Systems Analyst II

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- 3.11.3.4. 14103 – Computer Systems Analyst III
- 3.11.3.5. 01612 – Word Processor II
- 3.11.3.6. 01613 – Word Processor III
- 3.11.3.7. 21030 – Material Coordinator
- 3.11.3.8. 21040 – Material Expediter
- 3.11.3.9. 23370 – General Maintenance Worker
- 3.11.3.10. 23470 – Laborer
- 3.11.3.11. 23580 – Maintenance Trades Helper
- 3.11.3.12. 30081 – Engineering Technician I
- 3.11.3.13. 30082 – Engineering Technician II
- 3.11.3.14. 30083 – Engineering Technician III
- 3.11.3.15. 30084 – Engineering Technician IV
- 3.11.3.16. 30085 – Engineering Technician V
- 3.11.3.17. 30086 – Engineering Technician VI

3.12. LEVEL OF EFFORT

3.12.1. Labor. The level of effort estimated to be ordered during each year of this task order is 394,000 man-hours of direct labor (██████████ man-hours of direct labor over the life of the task order if all four option years are exercised). The estimated composition by labor category of the estimated total man-hours is as follows:

LABOR CATEGORY	BASE	OPTION 1	OPTION 2	OPTION 3	OPTION 4
Admin Program Manager	██████████	██████████	██████████	██████████	██████████
Tech Program Manager					
Project Manager					
Electrical Engineer					
Mechanical Engineer					
Senior Software Engineer					
Software Engineer					
Junior Engineer	██████████	██████████	██████████	██████████	██████████
Systems Analyst					
Data Analyst					
Computer Programmer III					

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Computer Programmer IV									
Computer Systems Analyst II									
Computer Systems Analyst III									
Word Processor II									
Word Processor III									
Material Coordinator									
Material Expediter									
General Maintenance Worker									
Laborer									
Maintenance Trades Helper									
Engineering Technician I									
Engineering Technician II									
Engineering Technician III									
Engineering Technician IV									
Engineering Technician V									
Engineering Technician VI									
TOTAL MAN-HOURS									

3.12.2. Travel, Material and Other Direct Costs. The estimated travel, material, and other direct costs, including G&A, required for execution of this contract is as follows:

OTHER COSTS	BASE	OPTION 1	OPTION 2	OPTION 3	OPTION 4
Travel					
Other Direct Costs & Materials					
TOTAL TRAVEL, MATERIAL & ODCs					

3.13. MANDATORY NUCLEAR AND SAFETY TRAINING

During the performance of this task order all Contractor personnel that perform non-nuclear work on nuclear powered vessels must receive training (at no cost to the government) in the areas delineated below prior to commencing work:

3.13.1. For work exclusive of the propulsion plant and exclusive of nuclear spaces and systems as defined in NAVSEAINST C9210.4 (series), training is required, at no cost to the government, in the following:

3.13.1.1. US citizenship and security requirements.

3.13.1.2. Mercury exclusion.

3.13.1.3. General ship safety and drill requirements.

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3.13.1.4. Basic radiation awareness, control areas, and signs.

3.13.2. For work that may be near or bordering secondary containment boundaries or bordering spaces and systems defined in NAVSEAINST C9210.4 (series), training is required on secondary containment boundaries.

3.13.3. For non-nuclear system work in or affecting propulsion system spaces or systems including those listed in NAVSEAINST C9210.4 (series), training is required in the following:

3.13.3.1. Security requirements or NNPI IAW NAVSEAINST 5511.32 (series).

3.13.3.2. Maintenance cleanliness requirements within propulsion spaces.

3.13.3.3. Spaces access requirements, including dosimeter.

3.13.4. Refresher training is required at least annually (and semi-annually for personnel requiring paragraph 3.13.4 training). Simple training records including lesson plan, brief outline of class content and attendance records will be maintained and made available to SWRMC on request. Liaison with the cognizant ship's department (e.g., Reactor Department, Engineering Department, Repair Department) is required to determine if any additional specific training is required prior to start of work. Any additional training will be completed prior to commencing work.

3.14. CONTRACT DATA REQUIREMENTS.

3.14.1. COSTS.

3.14.1.1. The Contractor shall establish and maintain a method of tracking costs incurred which meets the following requirements:

3.14.1.1.1. Costs shall be tracked at the TDL level.

3.14.1.1.2. Costs incurred on each TDL shall be segregated by the Labor Travel and Material CLINs

3.14.1.1.3. Costs should be tracked for both current and cumulative costs.

3.14.1.2. The Contractor shall prepare and present the following:

3.14.1.2.1. Earned Value Management System (EVMS) Forecast Review: The Contractor shall present a bi-weekly review of selected TDLs. This review shall integrate cost and schedule performance data with technical performance measures, identify the magnitude and impact of actual and potential problem areas causing significant cost and schedule variances, integrate cost and schedule variance measures with risk mitigation actions, and provide valid, timely program status information to the Government.

3.14.1.2.1.1. The TDL to be covered during the EVMS Forecast Review shall be designated by the TOM.

3.14.1.2.1.2. The EVMS Forecast Review shall include a forecast of Budget at Completion (BAC), Estimate at Completion (EAC) and Variance at Completion (VAC) of the entire life of the selected TDL.

3.14.1.2.1.3. The EVMS Forecast Review shall be presented to the TOM by the Technical

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Program Manager (TPM).

3.14.1.2.2. Monthly Contract Financial and Performance Report: The Contractor shall submit a monthly summary report of all work accomplished and expenses incurred on the task order.

3.14.1.2.2.1. Work accomplished shall be identified by individual ship, system, component, and date(s) accomplished. This summary should be concise and summarize the deficiency, action taken to correct the deficiency, and current status of the task.

3.14.1.2.2.2. Financial data shall be presented summarizing all costs incurred to date on each TDL, categorized by Material, Travel and Labor CLINs. As part of the Labor CLIN tracking, total hours expended on each TDL shall be tracked and reported.

3.14.2. **VISIT REQUESTS.**

3.14.2.1. The Contractor shall interface with SWRMC Security Manager to identify requirements for CONUS and overseas travel, ensure that changes in requirements are responded to expeditiously and establish a method of submitting visit requests as required by and to support individual TDLs.

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SECTION D PACKAGING AND MARKING

Packaging and Marking are in accordance with Section D of the Seaport E Multiple Award IDIQ contract.

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SECTION E INSPECTION AND ACCEPTANCE

Inspection and Acceptance shall be in accordance with Section E of the IDIQ contract.

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SECTION F DELIVERABLES OR PERFORMANCE

CLIN	PERIOD OF PERFORMANCE	UNIT OF ISSUE	QUANTITY	SHIP TO ADDRESS
4001	2 July 2009 - 1 July 2010	LOT	1	Destination
4002	2 July 2010 - 1 July 2011	LOT	1	Destination
4003	2 July 2011 - 1 July 2012	LOT	1	Destination
4004	2 July 2012 - 1 July 2013	LOT	1	Destination
4005	2 July 2013 - 1 July 2014	LOT	1	Destination
6001	2 July 2009 - 1 July 2010	LOT	1	Destination
6002	2 July 2010 - 1 July 2011	LOT	1	Destination
6003	2 July 2011 - 1 July 2012	LOT	1	Destination
6004	2 July 2012 - 1 July 2013	LOT	1	Destination
6005	2 July 2013 - 1 July 2014	LOT	1	Destination
6101	2 July 2009 - 1 July 2010	LOT	1	Destination
6102	2 July 2010 - 1 July 2011	LOT	1	Destination
6103	2 July 2011 - 1 July 2012	LOT	1	Destination
6104	2 July 2012 - 1 July 2013	LOT	1	Destination
6105	2 July 2013 - 1 July 2014	LOT	1	Destination

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SECTION G CONTRACT ADMINISTRATION DATA

TASK ORDER MANAGER.

Steven A Harris
3755 Brinser St. Ste. 1
San Diego, CA 92136
Telephone No. (619) 571-4531
Email Address: steven.a.harris2@navy.mil

Contracting Officer
Sheila K. Wasson
937 North Harbor Drive, Suite 60
San Diego, CA 92132

Contract Specialist
Daniel R. Mahan
3350 Patterson Road, Building 801
Port Hueneme, CA 93043

Deputy for Small Business
Gary Thomas
937 North Harbor Drive, Suite 60
San Diego, CA 92132

52.232-18 Availability of Funds applies.

SUP 5252.232-9402 INVOICING AND PAYMENT (WAWF) INSTRUCTIONS (April 2008)

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

(1) The vendor shall have their cage code activated by calling 866-618-5988. Once activated, the vendor shall self-register at the web site <https://wawf.eb.mil>. Vendor training is available on the Internet at <http://www.wawftraining.com>. Additional support can be obtained by calling the NAVY WAWF Assistance Line: 1-800-559-WAWF (9293).

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

(3) Select the invoice type within WAWF as specified below. Back up documentation (such as timesheets, receiving reports etc.) can be included and attached to the invoice in WAWF. Attachments created in any Microsoft Office product are attachable to the invoice in WAWF. Total limit for each file is not to exceed 2MB. Multiple attachments are allowed.

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

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	<i>Routing Table</i>	<i>Contracting Officer Notes</i>
WAWF Invoice Type	COST VOUCHER	-- Select 2-in-1 for FFP Services Only. -- Select Combo for Supplies, or Supplies AND FFP Services. -- Select Cost Voucher for all Cost Type Contracts. If none of the above applies, please call 1-800-559-WAWF (9293).
Contract Number	N0017804D4048	-(Enter Contract Number)
Delivery Order Number	NW01	-(Enter DO Number)
Issuing Office DODAAC	N00244	-(Enter DODAAC of the activity issuing the contract.)
Admin Office DODAAC	N55236	-(Enter Contract Admin Office DODAAC)
Inspector DODAAC (usually only used when Inspector & Acceptor are different people)	NA	-(Enter Inspector DODAAC (plus extension if applicable, or leave blank))
Ship To DoDAAC (for Combo), Service Acceptor DODAAC (for 2 in 1),Service Approver DODAAC (Cost Voucher)	N55236	-(Enter DODAAC (plus extension if applicable))
Acceptance At Other		-(Enter Other Acceptance Address if different from above (plus extension if applicable))
Local Processing Office (Certifier)	N55236	-(Enter LPO DODAAC (Local Admin) (plus extension if applicable) or leave blank)
DCAA Office DODAAC (Used on Cost Voucher's only)	HAA05B	-(Enter DCAA Office DODAAC when Applicable) - Check on DCAA website: www.dcaa.mil/
Paying Office DODAAC	HQ0339	-(Enter Paying Office DODAAC Located on Contract)
Acceptor/COR Email Address	Steven.A.Harris2@navy.mil	-(Enter the Acceptor Email address for this Contract if applicable)

(c) Contractors approved by DCAA for direct billing will not process vouchers through DCAA, but may submit directly to DFAS. Vendors MUST still provide a copy of the invoice and any applicable documentation that supports payment to the Acceptor/Contracting Officer's Representative (COR) if applicable. Additionally, a copy of the invoice(s) and attachment(s) at time of submission in WAWF must also be provided to each point of contact identified in section (d) of this clause by email. If the invoice and/or receiving report are delivered in the email as an attachment it must be provided as a .PDF, Microsoft Office product or other mutually agreed upon form between the Contracting Officer and vendor.

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(d) For each invoice / cost voucher submitted for payment, the contractor shall include the following email addresses for the WAWF automated invoice notification to the following points of contact:

Name	Email	Phone	Role
Steven.A.Harris	Steven.A.Harris2@navy.mil	TBD	TOM / COR

N00244G108 CONTRACT ADMINISTRATION APPOINTMENTS AND DUTIES (OCT 1995)

In order to expedite administration of this contract/order, the following delineation of duties is provided including the names, addresses and phone numbers for each individual or office as specified. The individual/position designated as having responsibility should be contacted for any questions, clarifications or information regarding the functions assigned.

1. PROCURING CONTRACTING OFFICER (PCO) is responsible for:
 - a. All pre-award information, questions, or data,
 - b. Freedom of Information inquiries,
 - c. Change/question/information regarding the scope, terms or conditions of the basic contract document, and/or
 - d. Arranging the post award conference (see FAR 42.503).

PCO:

Industrial Support Division Code 240 Director

Fleet and Industrial Supply Center San Diego

937 North Harbor Drive, Suite 60

San Diego, CA 92132

619/532-2555

2. CONTRACT ADMINISTRATION OFFICE (CAO) is responsible for matters specified in FAR 42.302 and DFARS 242.302 except in those areas otherwise designated herein.

N55236

SOUTHWEST REGIONAL MAINTENANCE CENTER -
SAN DIEGO

DoD Identification: Department of Defense Activity Address Code
(DODAAC) N55236

Address 1: P.O. Box 367108

Address 2: 3755 Brinser Street Suite 1

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City/State/Zip: San Diego, CA 92136-5105

3. DEFENSE CONTRACT AUDIT AGENCY (DCAA) is responsible for audit verification/provisional approval of invoices and final audit of the contract prior to final payment to the contractor.

9444 Balboa Avenue
Suite 320
San Diego, CA 92123-7304
DoDAAC: HAA05B
858/616-8800

4. PAYING OFFICE is responsible for payment of proper invoices after acceptance is documented.

HQ0339

5. TASK ORDER MANAGER (TOM) is responsible for:

- a. Liaison with personnel at the Government installation and the contractor personnel on site;
- b. Technical advice/recommendations/clarification on the statement of work;
- c. An independent government estimate of the effort described in the definitized statement of work
- d. Quality assurance of services performed and acceptance of the services or deliverables;
- e. Government furnished property;
- f. Security requirements on Government installation;
- g. Providing the PCO or his designated Ordering Officer with appropriate funds for issuance of the Delivery/Task order;
and/or
- h. Certification of invoice for payment.

NOTE: When, in the opinion of the Contractor, the TOM requests effort outside the existing scope of the contract (or delivery/task order), the Contractor shall promptly notify the Contracting Officer in writing. No action shall be taken by the contractor under such direction until the Contracting Officer has issued a modification to the contract or, in the case of a delivery/task order, until the Ordering Officer has issued a modification of the delivery/task order, or until the issue has otherwise been resolved. THE TOM IS NOT AN ADMINISTRATIVE CONTRACTING OFFICER AND DOES NOT HAVE AUTHORITY TO DIRECT THE ACCOMPLISHMENT OF EFFORT WHICH IS BEYOND THE SCOPE OF THE STATEMENT OF WORK IN THE CONTRACT OR DELIVERY/TASK ORDER.

Steven A. Harris

3755 Brinser Avenue, Suite 1

San Diego, CA 92136

619/556-1169

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Accounting Data

SLINID	PR Number	Amount
400101	N5523609RC02345	[REDACTED]
LLA :		
AA 1791804.70BA 252 55236 0 068688 2D C02345 55236990011Q		
Funds Source - OMN		
FED: 30 September 2009		
HME Services		

BASE Funding [REDACTED]
Cumulative Funding [REDACTED]

MOD 03

400102	N5523609RCD0259	[REDACTED]
LLA :		
AB 1791804.70BA 252 55236 0 068688 2D CD0259 55236950291Q		
Standard Number: N5523609RCD0259		

400103	N5523609RCD0258	[REDACTED]
LLA :		
AC 1791804.70BA 252 55236 0 068688 2D CD0258 55236950340Q		
Standard Number: N5523609RCD0258		

400104	N5523609RCD0255	[REDACTED]
LLA :		
AD 1791804.70BA 252 55236 0 068688 2D CD0255 55236950340Q		
Standard Number: N5523609RCD0255		

610101	N5523609RCD0259	[REDACTED]
LLA :		
AB 1791804.70BA 252 55236 0 068688 2D CD0259 55236950291Q		
Standard Number: N5523609RCD0259		

610102	N5523609RCD0258	[REDACTED]
LLA :		
AC 1791804.70BA 252 55236 0 068688 2D CD0258 55236950340Q		
Standard Number: N5523609RCD0258		

610103	N5523609RCD0255	[REDACTED]
LLA :		
AD 1791804.70BA 252 55236 0 068688 2D CD0255 55236950340Q		
Standard Number: N5523609RCD0255		

MOD 03 Funding [REDACTED]
Cumulative Funding [REDACTED]

MOD 04

400105	N5523609RCD0263	[REDACTED]
LLA :		
AE 1791804.70BA 252 55236 0 068688 2D CD0263 55236950151Q		
Standard Number: N5523609RCD0263		

610104	N5523609RCD0263	[REDACTED]
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LLA :
AE 1791804.70BA 252 55236 0 068688 2D CD0263 55236950151Q
Standard Number: N5523609RCD0263

MOD 04 Funding [REDACTED]
Cumulative Funding [REDACTED]

MOD 05

400106 N5523609RCD0266 [REDACTED]
LLA :
AF 1791804.70BA 252 55236 0 068688 2D CD0266 55236950284Q
Standard Number: N5523609RCD0266

610105 N5523609RCD0266 [REDACTED]
LLA :
AF 1791804.70BA 252 55236 0 068688 2D CD0266 55236950284Q
Standard Number: N5523609RCD0266

MOD 05 Funding [REDACTED]
Cumulative Funding [REDACTED]

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SECTION H SPECIAL CONTRACT REQUIREMENTS

No Special Contract Requirements.

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SECTION I CONTRACT CLAUSES

Contract clauses as specified in the basic contract apply to this task order plus the following full text clauses:

52.217-8 OPTION TO EXTEND SERVICES (NOV 1999)

The Government may require continued performance of any services within the limits and at the rates specified in the contract. These rates may be adjusted only as a result of revisions to prevailing labor rates provided by the Secretary of Labor. The option provision may be exercised more than once, but the total extension of performance hereunder shall not exceed 6 months. The Contracting Officer may exercise the option by written notice to the Contractor within thirty (30) days of contract expiration.

(End of clause)

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

(a) The Government may extend the term of this contract by written notice to the Contractor; provided that the Government gives the Contractor a preliminary written notice of its intent prior to contract expiration date. The preliminary notice does not commit the Government to an extension.

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

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

(End of clause)

52.222-2 Payment for Overtime Premiums.

As prescribed in [22.103-5\(b\)](#), insert the following clause:

Payment for Overtime Premiums (July 1990)

(a) The use of overtime is authorized under this contract if the overtime premium does not exceed *zero 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-labor employees such as those performing duties in connection with administration, protection,

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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—

(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 multishift 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)

52.222-42 Statement of Equivalent Rates for Federal Hires.

As prescribed in [22.1006\(b\)](#), insert the following clause:

Statement of Equivalent Rates for Federal Hires (May 1989)

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

This Statement is for Information Only: It is not a Wage Determination.

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Employee Class	Monetary Wage - Fringe Benefits
14102 Computer Systems Analyst II	GS7
14103 Computer Systems Analyst III	GS8
01612 Word Processor II	GS4
01613 Word Processor III	GS5
23470 Laborer	GS2
23580 Maintenance Trades Helper	GS4
30081 Engineering Technician I	GS5
30082 Engineering Technician II	GS6
30083 Engineering Technician III	GS7
30084 Engineering Technician IV	GS9
30085 Engineering Technician V	GS11
30086 Engineering Technician VI	GS12
23370 General Maintenance Worker	GS5/6

The following clause is incorporated by reference:

52.222-41 Service Contract Act of 1965.

As prescribed in [22.1006\(a\)](#), insert the following clause:

Service Contract Act of 1965 (Nov 2007)

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SECTION J LIST OF ATTACHMENTS

ATTACHMENT 1: DD-254

ATTACHMENT 2: San Diego Wage Determination, dated 04 MAR 2009

ATTACHMENT 3: Contract Administration Plan

ATTACHMENT 4: Technical Direction Letter (TDL) 0901, dated 29 JUL 2009

ATTACHMENT 5: Technical Direction Letter (TDL) 0902, dated 29 JUL 2009

ATTACHMENT 6: Technical Direction Letter (TDL) 0903, dated 29 JUL 2009

ATTACHMENT 7: Technical Direction Letter (TDL) 0904, dated 06 AUG 2009

ATTACHMENT 8: Technical Direction Letter (TDL) 0905, dated 06 AUG 2009