

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE U	PAGE OF PAGES 1 2	
2. AMENDMENT/MODIFICATION NO. 08	3. EFFECTIVE DATE 30-Jul-2010	4. REQUISITION/PURCHASE REQ. NO. 01965754	5. PROJECT NO. (If applicable) N/A	
6. ISSUED BY NSWC, CARDEROCK DIVISION, MARYLAND 9500 MacArthur Blvd West Bethesda MD 20817 megan.thayer@navy.mil 301-227-1132	CODE N00167	7. ADMINISTERED BY (If other than Item 6) DCMA Baltimore 217 EAST REDWOOD STREET, SUITE 1800 BALTIMORE MD 21202-5299	CODE	S2101A

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) Computer Sciences Corporation 1201 M. Street SE, Suite 400 Washington DC 20003	[X]	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
		10A. MODIFICATION OF CONTRACT/ORDER NO. N00178-04-D-4030-FD06
		10B. DATED (SEE ITEM 13) 02-Apr-2010
CAGE CODE 8X463	FACILITY CODE 112373324	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

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

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

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

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

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

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

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Kathleen C Bonturi, Contracting Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY /s/Kathleen C Bonturi (Signature of Contracting Officer)	16C. DATE SIGNED 30-Jul-2010
(Signature of person authorized to sign)			

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GENERAL INFORMATION

The purpose of this modification is to add an increment of funding in the amount of [REDACTED] Accordingly,

1) The total amount of funds obligated to the task is hereby increased by [REDACTED] from [REDACTED] to [REDACTED]. The total remaining unfunded balance is \$26,728,239.00.

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

CLIN/SLIN	Type Of Fund	From (\$)	By (\$)	To (\$)
600017	OTHER	0.00	[REDACTED]	[REDACTED]

3) The total value of the order is hereby increased by \$0.00 from [REDACTED] to [REDACTED]

4) Section G clause entitled "SEA 5252.232-9104 ALLOTMENT OF FUNDS (May 1993)" has been revised as follows:
ESTIMATED

ITEM(S)	ALLOTTED TO COST	ALLOTTED TO FEE	PERIOD OF PERFORMANCE
40000	[REDACTED]	[REDACTED]	Five (5) Years After Date of Award
60000	[REDACTED]	N/A	Five (5) Years After Date of Award

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

600017 01965754 [REDACTED]
LLA :
AT 97X4930 NH1C 000 77777 0 000167 2F 000000 995000095349

MOD 08 Funding [REDACTED]
Cumulative Funding [REDACTED]

6) The end of task order performance remains unchanged at 01 April 2015.

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

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SECTION B SUPPLIES OR SERVICES AND PRICES

CLIN - SUPPLIES OR SERVICES

For Cost Type Items:

Item	Supplies/Services Qty	Unit Est. Cost	Fixed Fee	CPFF
4000	Engineering Services for Full Scale and Model Scale Testing and Support in accordance with the Statement of Work. (TBD)	1.0 Lot		
400001	Funding in the amount of (Task Area 2) (RDT&E)			
400002	Funding in the amount of (Task Area 7) (O&MN, N)			
400003	Funding in the amount of (Task Area 1) (RDT&E)			
400004	Funding in the amount of (Task Area 7) (RDT&E)			
400006	Funding in the amount of (Task Area 2&3) (RDT&E)			
400008	Funding in the amount of (Task Area 4) (RDT&E)			
400009	Funding in the amount of (Task Area 7) (OPN)			
400010	Funding in the amount of (Task Area 2) (RDT&E)			
400011	Funding in the amount of (task area 7) (WCF)			
400012	Funding in the			

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amount of [REDACTED]
(task area 7)
(OTHER)

400013 Funding in the
amount of [REDACTED]
(task area 7)
(OTHER)

400014 Funding in the
amount of [REDACTED]
(task area 4)
(RDT&E)

400015 Funding in the
amount of \$10,000
(task area 6)
(WCF)

400016 Funding in the
amount of [REDACTED]
(task area 3&7)
(OTHER)

400017 Funding in the
amount of [REDACTED]
(task area 7)
(RDT&E)

400018 Funding in the
amount of [REDACTED]
(task area 2)
(RDT&E)

400019 Funding in the
amount of [REDACTED]
(task area 2)
(RDT&E)

400020 Funding in the
amount of [REDACTED]
(task area 7)
(OTHER)

400021 Funding in the
amount of [REDACTED]
(task area 3)
(OTHER)

400022 Funding in the
amount of [REDACTED]
(task area 7) (OTHER)

400023 Funding in the
amount of [REDACTED]
(task area 6)
(RDT&E)

400024 Funding in the
amount of [REDACTED]
(task area 6)
(RDT&E)

400025 Funding in the

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amount of
 [REDACTED] (task
 area 5) (RDT&E)

400026 Funding in the
 amount of [REDACTED]
 (task area 6)
 (RDT&E)

400027 Funding in the
 amount of [REDACTED]
 (task area 6)
 (RDT&E)

400028 Funding in the
 amount of [REDACTED]
 (task area 7)
 (WCF)

400029 Funding in the
 amount of
 [REDACTED] (task
 area 7) (WCF)

400030 Funding in the
 amount of [REDACTED]
 (task area 5)
 (OPN)

400031 Funding in the
 amount of [REDACTED]
 (task area 5)
 (OPN)

400032 Funding in the
 amount of [REDACTED]
 (task area 6)
 (RDT&E)

400033 Overhead funding
 in the amount of
 [REDACTED] (task
 area 6) (OTHER)

400034 Funding in the
 amount of [REDACTED]
 (task area 7)
 (WCF)

400035 Funding in the
 amount of [REDACTED]
 (task area 7)
 (SCN)

For ODC Items:

Item	Supplies/Services Qty	Unit	Est. Cost
6000	Other Direct Costs (material, travel, miscellaneous including	1.0 Lot	[REDACTED]

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applicable
indirect costs)
Non-Fee Bearing.
(TBD)

600001 Funding in the
amount of [REDACTED]
(Task Area 2)
(RDT&E)

600003 Funding in the
amount of [REDACTED]
(Task Area 2&3)
(RDT&E)

600004 Funding in the
amount of [REDACTED]
(Task Area 7)
(OPN)

600005 Funding in the
amount of [REDACTED]
(Task Area 7)
(OTHER)

600006 Funding in the
amount of [REDACTED]
(Task Area 7)
(OTHER)

600007 Funding in the
amount of [REDACTED]
(Task Area 7)
(OTHER)

600008 Funding in the
amount of [REDACTED]
(task area 3&7)
(OTHER)

600009 Funding in the
amount of [REDACTED]
(task area 2)
(RDT&E)

600010 Funding in the
amount of [REDACTED]
(task area 2)
(RDT&E)

600011 Funding in the
amount of [REDACTED]
(task area 7)
(OTHER)

600012 Funding in the
amount of
[REDACTED] (task
area 5) (RDT&E)

600013 Funding in the
amount of [REDACTED]
(task area 6)
(RDT&E)

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600014 Funding in the
amount of [REDACTED]
(task area 6)
(RDT&E)

600015 Funding in the
amount of [REDACTED]
(task area 7)
(WCF)

600016 Funding in the
amount of [REDACTED]
(task area 7)
(WCF)

600017 Funding in the
amount of
[REDACTED] (task
area 3&7) (OTHER)

SLIN designation "400005" and ACRN designations "AG" and "AJ" were intentionally omitted and will not be used in the future.

This is a Cost Plus Fixed Fee (CPFF) effort.

The fee percentage applied to CLIN 4000 is [REDACTED]

LEVEL OF EFFORT

The level of effort for the performance of this task order is based on an anticipated level of 269,500 man-hours of direct labor for the entire five (5) year period of performance.

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SECTION C DESCRIPTIONS AND SPECIFICATIONS

STATEMENT OF WORK

Title: Hydro /Aero Properties and Model Test

The services to be performed under this task order are considered performance based and will be evaluated by the Government in accordance with Clause No. CAR-H09 - Performance-Based Acquisition Evaluation Procedures for a Seaport-e Task Order (MAY 2007).

1.0 Background/Objective

This performance based Statement of Work is for engineering service support for the Hydrodynamic Department Code 50 and the Ships Systems Integration and Design Department Code 20. Particularly, the services are for technical support for full scale and model scale testing and support. The work performed will be in support of various submarines (such as the LOS ANGELES, SEAWOLF, OHIO, VIRGINIA, SSGN, SSBN, and OHIO Replacement Program class ships), surface ships (such as CV, CVN Aircraft Carriers, DD, DDG, DD(X) Destroyers, CG, CGN, CG(X) Cruisers, MCM Mine Hunters, TAGS Oceanographic Survey Vessel, JHSV, JHSS High Speed Sealift vessels, TAKR Sealift Roll-on/Roll off ship, AO, AOE Oilers, LHA, LHA(R), LPD, LSD Expeditionary Strike Force Ships, MLP Mobile Landing Platforms, X-Craft, LCS Littoral Surface Craft, AAV/EFT Expeditionary Fighting Vehicles, HYSWAC the ONR Midfoil ship, HSV High speed vessels, LCU Landing Craft Utility, TAKE Sealift Pre-positioning ship, E-CRAFT ONR twin hull troop/tank carrier), submerged vehicles (such as the Advanced SEAL Delivery Vehicle, Joint Multi Mission System, Dry Deck Shelter, Submarine Rescue Diving Recompression System (SRDRS)), aircraft (such as V-22, H-60, H-53, F-18), and other autonomous vehicles going through both air and water.

2.0 Requirements

The work is divided among ten (10) related task areas that intersect and support each other. The contractor shall perform the following tasks:

2.1 Task Area 1 - Full-Scale and Model Powering and Resistance

- a. Develop and conduct test plans by determining the objective of the set of tests, determining the measurements which shall be made to accomplish test objectives, specifying and fabricating the instrumentation needed to obtain the required measurements, preparing instrumentation plans and briefs, preparing TEMPALTs, establishing the support requirements for the test, and developing the format in which data is to be recorded.
- b. Analyze resistance test data, perform effective power predictions, and prepare effective power curves. Identify displacement and wetted surface calculations and Taylor Standard Series comparisons.
- c. Analyze self-propulsion test data and propeller test data. Determine shaft horsepower, calculate propulsion coefficients, and prepare shaft horsepower prediction curves.
- d. Perform calculations of correlations between existing model data and full-scale data. Analyze experimental data for surface wake characteristics.

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- e. Provide an uncertainty analysis of all acquired full-scale trials and model test data.
- f. Develop databases of ship characteristics to be used in making resistance predictions. Develop computational tools for resistance predictions.
- g. Provide reports documenting the results of the above analyses, including procedures, and the necessary curves, graphs, and data tables.

2.2 Task Area 2 - Full-Scale and Model Maneuvering, Stability and Control

- a. Develop and conduct test plans by determining the objective of the set of tests, determining the measurements which shall be made to accomplish test objectives, specifying and fabricating the instrumentation needed to obtain the required measurements, preparing instrumentation plans and briefs, preparing TEMPALTs, establishing the support requirements for the test, and develop the format in which data is to be recorded.
- b. Reduce and analyze model test data obtained from planar motion mechanism experiments and rotating arm experiments to obtain stability derivatives and coefficients of the equations of motion for submarines and surface ships.
- c. Prepare plans and analyses to support conducting Autonomous Model experiments. Reduce and analyze corresponding test data and utilize test data and other data to develop Computational Fluid Dynamics (CFD) and physics based models and assess ship maneuverability and control.
- d. Prepare plans and analyses to support conducting Large Scale Vehicle (LSV) experiments. Reduce and analyze corresponding test data and utilize test data and other data to develop CFD and physics based models and assess ship maneuverability and control.
- e. Reduce and analyze full-scale trials data, correlate to autonomous and or mathematical model data, and other full-scale data. Develop and modify computer programs to aid in data reduction and analysis efforts.
- f. Predict the dynamic response to environmentally produced forces and moments in a time and/or frequency domain utilizing the Newtonian laws of motion.
- g. Develop analytical subsystem models, which employ classical methods to represent physical phenomena. Develop database subsystem models, which employ "table look-up" or "function fitting" methods designed to utilize data obtained through scale model experimentation. Code the simulation design in accordance with standard industry practices such as Institute of Electrical and Electronics Engineers (IEEE), etc to the Capability Maturity Model Integration CMMI level III. The software shall be structured and controlled so that an easily comprehended simulation code can be maintained throughout the lifetime of the simulation and shall meet Fly-By-Wire requirements of NAVSEA T9044-AD-MAN-010 requirements.
- h. Develop the necessary software to present computerized graphical comparison plots of experimental and simulated results in both the time and frequency domains. Perform statistical tests to verify the model is an accurate representation of the submarine operational characteristics.

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i. Develop and modify simulation models to improve predictions of dynamic response to sea state environment produced forces and moments.

j. Design and fabricate the test and instrumentation circuitry to support conducting model and full-scale trials tests and the acquisition of test data. Develop the installation and checkout procedures for the instrumentation package. Install, calibrate, and test the full-scale trials and model test instrumentation package. Remove the instrumentation following test completion, and restore test vehicle/test facility to its pre-test condition. Restore and post-calibrate the full-scale trials or model test instrumentation packages.

k. Provide an uncertainty analysis of all acquired full-scale trials and model test data.

l. Provide reports documenting the results of the above analyses, including the necessary curves, graphs, and data tables. The reports shall conform to the format, procedures, and standards provided with each Technical Instruction.

2.3 Task Area 3 - Full-Scale and Model Ship Propulsion and Propulsors

a. Develop and conduct test plans by determining the objective of the set of tests, determining the measurements which shall be made to accomplish test objectives, specifying and fabricating the instrumentation needed to obtain the required measurements, preparing instrumentation plans and briefs, establishing the support requirements for the test, and developing the format in which data is to be recorded.

b. Reduce and analyze model and full-scale trials data and design predictions in order to validate and correlate propulsor performance. Develop computer programs needed to facilitate data analysis.

c. Carry out calculations using propeller lifting surface and other propeller theories and compare with experimental measurements or other predictions of performance. These tasks may require representation of data using harmonic analysis and the development of tables and figures in support of the analytical efforts.

d. Perform propulsor experiments and/or evaluate propulsor data for tests in the NSWCCD towing tanks, 36 and 24-inch water tunnels, Large Cavitation Channel, and other test facilities.

e. Provide an uncertainty analysis of all acquired full-scale trials and model test data.

f. Develop and exercise computer programs to predict propulsor performance. Develop graphics software to represent propulsors and their performance.

g. Provide reports documenting the results of the above analyses, including the necessary curves, graphs, and data tables. The reports shall conform to the format, procedures, and standards provided with each Technical Instruction.

2.4 Task Area 4 - Full-Scale and Model Ship Motions, Stability, and Sea Keeping

a. Develop and conduct test plans by determining the objective of the set of tests, determining the measurements which shall be made to accomplish test objectives, specifying and fabricating the instrumentation needed to obtain the required measurements, preparing instrumentation plans and briefs,

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establishing the support requirements for the test, and developing the format in which data is to be recorded.

b. Conduct stability and control experiments, reduce and analyze model test and full-scale trials data to obtain response amplitude operators for all six degrees of freedom. Reduce and analyze test data to obtain ship responses in terms of motions, statistical events, and probability distributions.

c. Provide an uncertainty analysis of all acquired full-scale trials and model test data.

d. Develop tables and figures in support of the analytical efforts prepared in accordance with established format identified in task statements.

e. Develop, modify, and document the analytical tools utilized in sea keeping performance assessment. Identify and collect the source information necessary to implement the analytic tools.

f. Implement the analytic tools and develop a graphical database for all performance limits. Perform an analysis of the graphical database and summarize the sea keeping performance of the ships being assessed.

g. Develop databases of ship responses for a variety of wave spectra models.

h. Evaluate results for each model's ability to predict ship responses. Perform comparisons for different ship types, and provide camera-ready graphics of these comparisons.

i. Analyze existing and new offshore platforms including moored platforms, towed platforms and surface ships for structural integrity, static and dynamic stability, and sea keeping.

j. Provide reports documenting the results of the above analyses, including the necessary curves, graphs, and data tables. The reports shall conform to the format, procedures, and standards provided with each Technical Instruction.

2.5 Task Area 5 - Special Systems such as Unmanned Vehicles, Underwater Bodies, Offshore Platforms, and Marine and Special Systems

a. Develop prediction methods for the definition of flows around underwater bodies.

b. Utilize prediction tools to obtain definition of flows around underwater bodies.

c. Develop and fabricate instrumentation and develop data acquisition plans to acquire experimental data on fluid flows.

d. Provide an uncertainty analysis of all acquired full-scale trials and model test data.

e. Provide reports documenting the results of the above analyses, including the necessary curves, graphs, and data tables. The reports shall conform to the format, procedures, and standards provided with each Technical Instruction.

f. Analyze moored systems, buoy systems, and towed and marine systems to develop prototype designs

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including mechanical design, hydrodynamic design, and static and dynamic response of systems in ocean environments.

g. Analyze and develop auxiliary systems and components to support moored, buoy, towed and marine systems in areas such as cables, towlines, fairings, winches, antennas, instrument canisters, fiber optics, telemetry, data collection systems, drogues, and handling systems.

h. Develop moored system, buoy system, towed system and marine system prototype designs into operational systems including fabrication, testing, instrumentation and analysis of these systems and their auxiliary components in model-scale and full-scale.

i. Analyze and develop electronic and microprocessor based sensor packages and control systems to support moored, buoy, towed and marine systems programs.

j. Design and develop offshore platforms using analysis, model scale testing and full-scale testing.

k. Modify existing offshore platforms and construct new offshore platforms in model-scale and full-scale.

l. Modify existing offshore platform systems and construct new offshore platform systems in model-scale and in full-scale.

m. Support model tests, testing, and operations on offshore platforms including planning, management, sensors, electronics, instrumentation, trade support, medical services, supplies and provisions procurements, maintenance, rentals and other required services.

2.6 Task Area 6 - Fabrication of Plane, Ship and Submarine Hardware

a. Maintain fabrication facilities, including but not limited to:

Computer Numerically Controlled (CNC) machines, manual machine tools, hand tools, inspection capabilities, lifting facilities, and the size of layout tables for models. The contractor shall maintain capability to fabricate ship and submarine hardware up to 40 ft. in length and their appendages, using composite (i.e., fiberglass), wood and aluminum materials. The contractor shall have the capability to build hardware with the following tolerances:

- (±) 1/8 inch on length
- (±) 1/16 inch relative to section template
- (±) 1/32 inch fairness requirement over 6-inches
- (±) 63 micrometers RMS (Root Mean Square) smooth fair finish

b. Fabricate Propulsors and Open Propellers Using CNC Machines. Fabricate propulsors (stators, ducts, and rotors) in addition to open propellers using Computer Numerically Controlled (CNC) machines for propulsors that range in diameter up to 48-inches. Specifically, the contractor shall fabricate propulsors using the inserted-blade technique where the propeller size range in diameter is up to 48-inches. Additionally, the contractor shall fabricate propulsors using both the mono-block and

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inserted blade techniques where the range in diameter is up to 24-inches. The contractor shall fabricate propulsors using a number of different materials, which include Aluminum alloy, Bronze, Nickel Aluminum Bronze (NAB), Plexiglas and other reinforced plastics. Required tolerances for propulsors are:

- Up to (\pm) 0.005 inches for diameter, chord-length, camber and thickness
- Up to (\pm) 0.005 inches for leading edge radius
- Up to (\pm) 6 minutes of angle for propeller pitch
- Up to (\pm) 3 micrometers for surface finish (IAW ISO R484 for Class S Ship Screw Propellers)

c. The contractor shall be able to provide design, engineering support and installation in the area of model fabrication. This includes but is not limited to the design of hulls and all associated hardware, appendages, and dynamometer setup and installation. The contractor shall also refurbish and retrofit model hulls, rings, nose sections, and all associated parts that comprise the hull, both external and internal components (e.g., dynamometers).

2.7 Task Area 7 - Hydrodynamic Mechanical and Electrical Engineering Support

a. Provide engineering and design support to NSWCCD hydrodynamic and Hydroacoustic test facility repair and upgrade projects located at West Bethesda MD, Memphis TN, Bayview ID, Seneca Lake NY, Dodge Pond Acoustic Measurement facility, Narragansett Bay, Newport RI, Keyport, WA, and the Atlantic Undersea Test and Evaluation Facility (AUTEK).

b. This shall include but not be limited to:

- 1) The design and analysis of structures, hydraulic systems, and power transmission systems and other mechanical, electrical and control systems.
- 2) Procure, fabricate and assemble mechanical and electrical parts and systems. Integrate new mechanical and electrical systems into existing Hydrodynamic facilities. Test and verify proper function and performance. Develop test procedures and provide equipment for testing of facilities and facility modifications.
- 3) Document mechanical systems by preparing electronic drawing packages. Provide electronic data for in-house manufacture, when needed. Provide 3-D models of mechanical systems for future modification and repair, when needed.
- 4) Provide support for specialized rigging in Hydrodynamic facilities repair, upgrade and testing projects.
- 5) Provide support for demolition and removal of Hydrodynamic facilities systems.
- 6) Supply or supplement existing facility operations personnel.

2.8 Task Area 8 - Alternate Test Facilities

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a. Provide alternate Hydrodynamic test facilities for model testing capable of handling:

- 1) A 25-foot surface or submarine model with a 3-foot draft.
- 2) A propeller no smaller than 8 inches.
- 3) Water flow supporting Reynolds numbers above 5×10^5 .
- 4) Wave makers capable of regular and random waves.
- 5) The design and analysis of structures, hydraulic systems, and power transmission systems and other mechanical, electrical and control systems.
- 6) Procure, fabricate and assemble mechanical and electrical parts and systems. Integrate new mechanical and electrical systems into existing Hydrodynamic facilities, if required. Test and verify proper function and performance. Develop test procedures and provide equipment for testing of facilities and facility modifications. Support for demolition and removal of Hydrodynamic facilities systems shall also be provided. All integrated systems shall be considered Government Property.
- 7) Document mechanical systems by preparing electronic drawing packages. Provide electronic data for in-house manufacture, when needed. Provide 3-D models of mechanical systems for future modification and repair, when needed.
- 8) Provide support for specialized rigging in Hydrodynamic facilities repair, upgrade and testing projects.
- 9) Supply or supplement existing facility operations personnel.

2.9 Task Area 9 - Quality Assurance

- a. Perform independent audits of quality management and assurance systems, and assess compliance to ISO, NAVSEA and local requirements.
- b. Assist in the development of Department and Divisional Quality Assurance and Management document preparation and revision.
- c. Update Audit guides as requirements change.

2.10 Task Area 10 - Design Agent Support

- a. Provide engineering support to program offices in the areas of hydrodynamics and hydrostatics to support development of ship specifications, assessment of designs, test and evaluation planning, sea trial support, post trials and ship acceptance support.
- b. Test and evaluation plan development.
- c. TEMPALT and SHIPALT development and documentation.

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d. Hazard Risk assessment and programmatic presentation.

3.0 Government Furnished Materials

a. In the cases where work is classified beyond Confidential, the government will provide adequate accommodations for technical, fabrication and testing efforts. All other work shall be done in the contractor's location unless specified in the Technical Instruction.

b. Government furnished information may be provided within 5 working days of the technical instruction providing specific tasking. Said materials shall be returned to the Government if requested and as specified in the Technical Instruction.

4.0 Travel

Annual travel requirements are estimated to be (but not limited to):

- 15 trips for 3 people and 5 nights to Grotton, CT.
- 15 trips for 1 person and 2 nights to Hemlock, NY
- 15 trips for 3 people and 4 nights to Newport News, VA
- 125 miles of local travel

5.0 Deliverables

Report Name	1st Submission Date	Subsequent Submission Date
SCHEDULES	15 DATO	ASREQ
MANAGEMENT PLANS	15 DATO	ASREQ
CONFERENCE AGENDA/MINUTES	ASREQ	ASREQ
STATUS REPORT	15 DATO	MONTHLY
CONTRACT FUNDS STATUS REPORT	45 DATO	MONTHLY
REPORTS AND OTHER DELIVERABLES SPECIFIED IN EACH TI	ASREQ	ASREQ

6.0 Performance

The period of performance is five (5) years from date of task order award. The place of performance will be primarily at the Government facilities in West Bethesda, MD, but work will be conducted at other sites such as the Naval Shipyards and the Large Cavitation Chanel in Memphis, TN. When possible, work will be performed at the contractors facility.

7.0 Security

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During performance of this task order the contractor may receive or generate information classified to the level of SECRET as indicated on the attached DD Form 254, Contract Security Classification Specification.

8.0 Personnel

The key personnel and the associated qualifications provided in the resumes submitted with CSC's proposal are hereby incorporated into this task order. In accordance with clause H-7 of CSC's base contract, the contractor is reminded that "No substitution shall be made without prior notification to and concurrence of the Contracting Officer in accordance with this requirement. "

Non-Key Labor Categories:

Senior Engineers

A Senior Engineer shall possess an advanced degree in engineering, physics or mathematics with a desired 10 years of engineering application experience, or a Bachelor's degree in engineering, physics or mathematics with a desired 15 years of experience in engineering application experience. The desired experience shall include the following areas: U. S. NAVY ship and submarine research and development, analytical modeling and evaluation of vehicle dynamics, motion response analysis, digital simulation studies, sea spectra analysis, sea keeping analysis, hydrodynamics, control system analysis, computer software development, numerical analysis, and test and trials planning. Experience with advanced marine vehicles shall also be included with the desired experience requirements.

Senior Shop Technicians

Senior Shop Technicians shall have 20 years of experience in wood foam, metals, plastics, and composites (i.e. fiberglass) fabrication. They shall have general experience in interpreting plans and drawings, have knowledge of machining characteristics of brass, bronze, aluminum and steel. The individuals shall be familiar with ship and propeller model construction techniques, and be capable of /and have experience in, operating CNC machines used for the manufacture of hardware.

Fabrication Technicians

Fabrication Technicians shall possess 10 years of experience in wood, foam, metals, plastics and composites (i.e. fiberglass) fabrication. They shall have general experience in interpreting plans and drawings, has knowledge of machining characteristics of brass, bronze, aluminum and steel. The individuals shall be familiar with model-scale ship and propeller construction techniques, and full-scale component construction techniques, and be capable of/and has experience in operating CNC (Computer Numerically Controlled) machines used for the manufacture of hardware.

Draftsperson

The Draftsperson shall have basic drafting skills and be familiar with electronic drawings.

Assistant Fabrication Technician

The Assistant Fabrication Technician shall have basic knowledge of working with hand tools.

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Electronics Technician

The Electronics Technician shall possess one year of work experience in electronics and electricity. They shall possess the ability to set up and operate various recording devices such as magnetic tape decks and strip charts. The desired experience requirements shall include experience with electronic circuit diagrams. They shall possess skills in selecting components needed in circuits and hard wiring the circuits. They shall possess basic mechanical skills.

Senior Quality Assurance Engineer

The Senior Quality Assurance Engineer shall possess a degree in engineering with 10 years of applied engineering experience. The 10 years experience shall include five years of engineering quality control management. The experience also shall include initiation, management and performance of quality control system. They shall be certified as an auditor by the TYCOM or SEA 07Q in one of the following areas (SUBSAFE, Deep Submergence Systems, or Fly-By-Wire). Additionally, the experience shall include experience in nondestructive testing, calibration and recall systems, controlled assembly practices, system acceptance, waiver and deviation criteria, and management information systems.

Data Technician

The Data Technician shall possess one year of technical work experience involving: data reduction, and shall have experience with IBM and IBM compatible operating systems for a personal computer. They shall possess ability to use Excel spreadsheets. They shall possess understanding of engineering units in both metric and English systems.

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SECTION D PACKAGING AND MARKING

Packing and Marking shall be in accordance with Section D of the base contract.

N00167
Task Order Manager
Karen A Krewer, 5600
9500 Mc Arthur Blvd
West Bethesda, MD 20817-5700
karen.krewer@navy.mil
301-227-0571

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SECTION E INSPECTION AND ACCEPTANCE

Inspection and Acceptance shall be performed by the Government at destination by the Task Order Manager.

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SECTION F DELIVERABLES OR PERFORMANCE

CLIN - DELIVERIES OR PERFORMANCE

52.211-8 TIME OF DELIVERY (JUN 1997)

(a) The Government requires delivery to be made according to the following schedule:

<u>ITEM NO.</u>	<u>QUANTITY</u>	<u>WITHIN DAYS AFTER DATE OF TASK ORDER</u>
4000 & 6000	ALL	FIVE (5) YEAR AFTER THE EFFECTIVE DATE OF THE TASK ORDER ASSUMING INCREMENTAL FUNDING IS PROVIDED

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SECTION G CONTRACT ADMINISTRATION DATA

G17S TOM APPOINTMENT (AUG 2005)

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

Task Order Manager
 Karen A Krewer, 5600
 9500 Mc Arthur Blvd
 West Bethesda, MD 20817-5700
 karen.krewer@navy.mil
 301-227-0571

Ddl-G-21 TYPES OF ORDERS UNDER INDEFINITE DELIVERY TYPE CONTRACTS
 This Task Order shall be issued on a Cost-Plus-Fixed-Fee (Term) basis.

CAR-G11 INVOICE INSTRUCTIONS (DEC 2007) (NSWCCD)

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

(b) It is recommended that the person in your company designated as the Central Contractor Registration (CCR) Electronic Business (EB) Point of Contact and anyone responsible for the submission of invoices, use the online training system for WAWF at <http://wawftraining.com>. The Vendor, Group Administrator (GAM), and sections marked with an asterisk in the training system should be reviewed. Vendor Quick Reference Guides also are available at <http://acquisition.navy.mil/navyaos/content/view/full/3521/>. The most useful guides are "Getting Started for Vendors" and "WAWF Vendor Guide".

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

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

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

Cost Voucher (Cost Reimbursable, T&M , LH, or FPI)

DODAAC Codes and Inspection and Acceptance Locations

Issue DODAAC	<u>N00167</u>
Admin DODAAC	<u>S2101A</u>
Pay Office DODAAC	<u>HQ0338</u>

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Service Approver DODAAC
Ship To DODAAC
DCAA Auditor DODAAC

N00167
N00167
06431

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

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

Send Additional Email Notification To:
karen.krewer@navy.mil

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

(g) The WAWF system has not yet been implemented on some Navy programs; therefore, upon written concurrence from the cognizant Procuring Contracting Officer, the Contractor is authorized to use DFAS WinS for electronic end to end invoicing until the functionality of WinS has been incorporated into WAWF.

(h) If you have any questions regarding WAWF, please contact the WAWF helpdesk at the above 1-866 number or the NSWCCD WAWF point of contact at (301) 227-5419.
(End of Clause)

SEA 5252.216-9122 LEVEL OF EFFORT (DEC 2000)

(a) The Contractor agrees to provide the total level of effort specified in the next sentence in performance of the work described in Sections B and C of this contract. The total level of effort for the performance of this contract shall be 269,500 total man-hours of direct labor, including subcontractor direct labor for those subcontractors specifically identified in the Contractor's proposal as having hours included in the proposed level of effort.

(b) Of the total man-hours of direct labor set forth above, it is estimated that 0 (to be identified at the task order level) man-hours are uncompensated effort.

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

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

(d) The level of effort for this contract shall be expended at an average rate of approximately 1,035 hours per week. It is understood and agreed that the rate of man-hours per month may fluctuate in pursuit of the technical objective, provided such fluctuation does not result in the use of the total man-hours of effort prior to the expiration of the term hereof, except as provided in the following paragraph.

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

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

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

Fee Reduction = Fee((Required LOE minus Expended LOE)divided by Required LOE))

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

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

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

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

(End of Clause)

SEA 5252.232-9104 ALLOTMENT OF FUNDS (MAY 1993)

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

ESTIMATED ITEM(S)	ALLOTTED TO COST	ALLOTTED TO FEE	PERIOD OF PERFORMANCE
40000	[REDACTED]	[REDACTED]	Five (5) Years After Date of Award
60000	[REDACTED]	N/A	Five (5) Years After Date of Award

(b) The parties contemplate that the Government will allot additional amounts to this contract from time to time for the incrementally funded CLINs 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 covered thereby, and the period of performance which the amount(s) are expected to cover.

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

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

FUNDING PROFILE

The following details funding to date:

Contract CPFF	Funds this Action	Previous Funding	Funds Available	Balance Unfunded
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

(End of Clause)

Accounting Data

SLINID	PR Number	Amount
400001	00755105	[REDACTED]
LLA :		
AA 1701319 W3DK 000 RA333 0 068342 2D 000000 02912000EA30 N0001410WX21133/AA		
400002	00755097	[REDACTED]
LLA :		
AB 97X4930 NH1C 000 77777 0 000167 2F 000000 101564012110		
400003	00755106	[REDACTED]
LLA :		
AC 97X4930 NH1C 000 77777 0 000167 2F 000000 101508078820		
400004	00755108	[REDACTED]

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LLA :
AD 97X4930 NH1C 000 77777 0 000167 2F 000000 101562010240

400006 00640985 [REDACTED]
LLA :
AF 97X4930 NH1C 000 77777 0 000167 2F 000000 101220210120

400008 00547221 [REDACTED]
LLA :
AH 97X4930 NH1C 000 77777 0 000167 2F 000000 101580032310

400009 00755035 [REDACTED]
LLA :
AE 97X4930 NH1C 000 77777 0 000167 2F 000000 101508079420

400010 00755048 [REDACTED]
LLA :
AK 97X4930 NH1C 000 77777 0 000167 2F 000000 101202910018

400011 00671605 [REDACTED]
LLA :
AL 97X4930 NH6A 000 77777 0 066604 2F 000000 73000875X170 N6660410WX01027/AA

400012 00889561 [REDACTED]
LLA :
AM 97X4930 NH1C 000 77777 0 000167 2F 000000 995364112031

400013 00889564 [REDACTED]
LLA :
AN 97X4930 NH1C 000 77777 0 000167 2F 000000 995364795461

400014 00889572 [REDACTED]
LLA :
AP 97X4930 NH1C 000 77777 0 000167 2F 000000 101550073110

600001 00755105 [REDACTED]
LLA :
AA 1701319 W3DK 000 RA333 0 068342 2D 000000 02912000EA30 N0001410WX21133/AA

600003 00640985 [REDACTED]
LLA :
AF 97X4930 NH1C 000 77777 0 000167 2F 000000 101220210120

600004 00755035 [REDACTED]
LLA :
AE 97X4930 NH1C 000 77777 0 000167 2F 000000 101508079420

600005 00889571 [REDACTED]
LLA :
AN 97X4930 NH1C 000 77777 0 000167 2F 000000 995364795461

600006 00889569 [REDACTED]
LLA :
AQ 97X4930 NH1C 000 77777 0 000167 2F 000000 995364607062

600007 00889566 [REDACTED]
LLA :
AR 97X4930 NH1C 000 77777 0 000167 2F 000000 995364606461

BASE Funding [REDACTED]
Cumulative Funding [REDACTED]

MOD 01

400015 00984151 [REDACTED]
LLA :
AS 97X4930 NH1C 000 77777 0 000167 2F 000000 091212514954

400016 00984159 [REDACTED]
LLA :
AT 97X4930 NH1C 000 77777 0 000167 2F 000000 995000095349

MOD 01 Funding [REDACTED]
Cumulative Funding [REDACTED]

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MOD 02

400016 00984159 [REDACTED]
LLA :
AT 97X4930 NH1C 000 77777 0 000167 2F 000000 995000095349

600008 00984159 [REDACTED]
LLA :
AT 97X4930 NH1C 000 77777 0 000167 2F 000000 995000095349

MOD 02 Funding [REDACTED]
Cumulative Funding [REDACTED]

MOD 03

400017 01170026 [REDACTED]
LLA :
AU 97X4930 NH1C 000 77777 0 000167 2F 000000 101561013240

400018 01179957 [REDACTED]
LLA :
AV 97X4930 NH1C 000 77777 0 000167 2F 000000 101562010275

400019 01231793 [REDACTED]
LLA :
AW 97X4930 NH1C 000 77777 0 000167 2F 000000 101202720217

400020 01231798 [REDACTED]
LLA :
AX 97X4930 NH1C 000 77777 0 000167 2F 000000 101580034432

400021 01231802 [REDACTED]
LLA :
AY 97X4930 NH1C 000 77777 0 000167 2F 000000 101580034430

600009 01179957 [REDACTED]
LLA :
AV 97X4930 NH1C 000 77777 0 000167 2F 000000 101562010275

600010 01231793 [REDACTED]
LLA :
AW 97X4930 NH1C 000 77777 0 000167 2F 000000 101202720217

600011 01231798 [REDACTED]
LLA :
AX 97X4930 NH1C 000 77777 0 000167 2F 000000 101580034432

MOD 03 Funding [REDACTED]
Cumulative Funding [REDACTED]

MOD 04

400022 01170051 [REDACTED]
LLA :
AZ 97X4930 NH1C 000 77777 0 000167 2F 000000 992510520363

MOD 04 Funding [REDACTED]
Cumulative Funding [REDACTED]

MOD 05

400023 01479922 [REDACTED]
LLA :
BD 97X4930 NH1C 000 77777 0 000167 2F 000000 101563011540

400024 01479913 [REDACTED]
LLA :
BC 97X4930 NH1C 000 77777 0 000167 2F 000000 101562010210

400025 01479887 [REDACTED]
LLA :
BB 1701319 75XZ 253 SASLM 0 068342 2D 010240 9C22A000CON0
Standard Number: N0002410WX11979/AA

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400026 01479916 [REDACTED]
 LLA :
 AV 97X4930 NH1C 000 77777 0 000167 2F 000000 101562010275

400027 01479926 [REDACTED]
 LLA :
 BA 97X4930 NH1C 000 77777 0 000167 2F 000000 101508079820

600012 01479887 [REDACTED]
 LLA :
 BB 1701319 75XZ 253 SASLM 0 068342 2D 010240 9C22A000CONO
 Standard Number: N0002410WX11979/AA

600013 01479916 [REDACTED]
 LLA :
 AV 97X4930 NH1C 000 77777 0 000167 2F 000000 101562010275

600014 01479926 [REDACTED]
 LLA :
 BA 97X4930 NH1C 000 77777 0 000167 2F 000000 101508079820

MOD 05 Funding [REDACTED]
 Cumulative Funding [REDACTED]

MOD 06

400028 01665505 [REDACTED]
 LLA :
 AL 97X4930 NH6A 000 77777 0 066604 2F 000000 73000875X170 N6660410WX01027/AA

400029 01696685 [REDACTED]
 LLA :
 BE 97X4930 NH6A 000 77777 0 066604 2F 000000 73000873S330 N6660410WX01440/AA

400030 01696697 [REDACTED]
 LLA :
 BF 1701810 H1HH 253 SASUB 0 068342 2D 000000 HH0090000000 N0002410WX30827/AA

400031 01696691 [REDACTED]
 LLA :
 BF 1701810 H1HH 253 SASUB 0 068342 2D 000000 HH0090000000 N0002410WX30827/AA

600015 01665505 [REDACTED]
 LLA :
 AL 97X4930 NH6A 000 77777 0 066604 2F 000000 73000875X170 N6660410WX01027/AA

600016 01696685 [REDACTED]
 LLA :
 BE 97X4930 NH6A 000 77777 0 066604 2F 000000 73000873S330 N6660410WX01440/AA

MOD 06 Funding [REDACTED]
 Cumulative Funding [REDACTED]

MOD 07

400032 01809530 [REDACTED]
 LLA :
 BA 97X4930 NH1C 000 77777 0 000167 2F 000000 101508079820

400033 01809539 [REDACTED]
 LLA :
 BG 97X4930 NH1C 000 77777 0 000167 2F 000000 995000095549

400034 01809543 [REDACTED]
 LLA :
 BH 97X4930 NH1C 000 77777 0 000167 2F 000000 101212514756

400035 01809545 [REDACTED]
 LLA :
 BJ 97X4930 NH1C 000 77777 0 000167 2F 000000 101580035110

MOD 07 Funding [REDACTED]
 Cumulative Funding [REDACTED]

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MOD 08

600017 01965754 [REDACTED]

LLA :

AT 97X4930 NH1C 000 77777 0 000167 2F 000000 995000095349

MOD 08 Funding [REDACTED]

Cumulative Funding [REDACTED]

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SECTION H SPECIAL CONTRACT REQUIREMENTS

CAR-H09 Performance-Based Acquisition Evaluation Procedures for a SeaPort e Task Order (MAR 2006) (NSWCCD)

(a) Introduction: The contractor's performance on this task order will be evaluated by the Government, in accordance with this task order clause. The first evaluation will cover the period ending twelve months after the date of task order award with successive evaluations being performed for each twelve-month period thereafter until the contractor completes performance under the task order. Based on the evaluation results, the PCO will assign an overall performance rating in accordance with paragraph (b) of this clause. The purpose of the evaluation is to determine remedies that may be invoked due to "Unsatisfactory" performance. If the PCO assigns an "Unsatisfactory" performance rating for the period evaluated, the PCO may take unilateral action, in accordance with clause 52.246-5 entitled "Inspection of Services-Cost Reimbursement", dated Apr 1984, in Section E of the base contract, to provide for a fee reduction covering the performance period evaluated. This clause provides the basis for evaluation of the contractor's performance and for determining if the fee amount should be reduced due to "Unsatisfactory" performance.

(b) Performance Ratings: The Government will evaluate the contractor's performance of the Statement of Work under the task order for each twelve month period of performance, using the measurable performance standards set forth in the Performance Requirements Summary Table in the SOW, or elsewhere in the task order, and the PCO will assign one of the following ratings:

- (1) Excellent
- (2) Very Good
- (3) Satisfactory
- (4) Unsatisfactory

The standards associated with these ratings are given in the following Table 1.

Table 1: Overall Performance Ratings

For The Evaluation Period

Overall Performance Rating	Standard
Excellent	"Excellent" ratings for all performance evaluation criteria.
Very Good	A combination of "Excellent" and "Satisfactory" ratings determined by the PCO to exceed Satisfactory" overall.
Satisfactory	A minimum of "Satisfactory" ratings for all performance evaluation criteria.
Unsatisfactory	A rating of "Unsatisfactory" for one or more performance evaluation criteria.

(c) Evaluation Objective: The purpose of the evaluation and the inclusion of a remedy to the Government for unsatisfactory contractor performance under this task order is to ensure that the Government receives at least "Satisfactory" overall performance.

(d) Performance Evaluation Criteria: The contractor's performance will be evaluated on an annual basis using the criteria and standards provided for each task objective in the Performance Requirements Summary Table, and considering the criterion in Tables 2 through 4 of this task order clause.

(e) Organization: The performance evaluation organization consists of the Procuring Contracting Officer (PCO), who will serve as the Evaluation Official, and the Task Order Manager (ToM).

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(1) ToM: The ToM will provide ongoing performance monitoring, evaluate task performance based on the task order Performance Requirements Summary, prepare the evaluation report, including a recommended overall performance rating, and submit the report to the PCO for final decision within thirty days after the end of the evaluation period. The ToM will maintain the written records of the contractor's performance so that a fair and accurate evaluation is made.

(2) Procuring Contracting Officer (PCO): The PCO is responsible for properly administering the performance evaluation process, maintaining the official performance evaluation file, and making the decision about the overall performance rating and whether to reduce the fee if performance is rated as unsatisfactory.

(f) Evaluation Schedule: Each performance evaluation will cover the previous twelve months of performance. The Government will evaluate all work under the task order performed by the contractor during the twelve-month period. Following each evaluation period, the PCO (or Contract Specialist if so designated by the PCO) and the ToM will hold a meeting with the contractor's Senior Technical Representative to review performance under the task order during the previous twelve months, including overall trends, specific problem areas, if any, and their resolution. Other Government and contractor personnel may also participate as deemed appropriate.

(g) Contractor's Self-Evaluation: The contractor may also submit a Self-Evaluation Report for consideration. The report must include an overall performance rating for the task order, covering the evaluation period, and may include whatever information the contractor deems relevant to support that rating. The report shall not exceed two (2) pages in length.

(h) Performance Evaluation: The PCO will make the decision on the overall performance rating for the work performed under the task order within thirty days after receipt of the evaluation report from the ToM. The decision will be based upon the ToM's recommendations, the contractor's comments, including any Self-Evaluation Report, and any other information deemed relevant by the PCO. The PCO shall resolve disagreements between the ToM's recommendations and the contractor's comments/report regarding the evaluation. The PCO will provide a copy of the evaluation report, including the overall rating, to the contractor within five working days after completion of the evaluation.

(i) Contractor's Review of the Evaluation Report: Contractors shall be given a minimum of 15 calendar days to submit comments, rebut statements, or provide additional information. The PCO shall consider the contractor's submission and respond as appropriate. Although the PCO will consider the contractor's comments, rebuttals, or additional information, the PCO may, or may not, change the overall rating. The decision to change the rating based on contractor input at this stage is solely at the discretion of the PCO.

(j) This performance evaluation does not replace any other requirement for evaluating contractor performance that may be required by the base contract, such as a Contractor Performance Assessment Reporting System (CPARS) report, or a Task Order Performance Evaluation (TOPE).

TABLE 2: TASK PERFORMANCE EVALUATION CRITERIA AND STANDARDS

Criterion	UNSATISFACTORY	SATISFACTORY	EXCELLENT
Task Performance	Work product fails to meet Acceptable Quality Levels (AQLs) defined in Performance Requirements Summary Table (see SOW or elsewhere in the Task Order).	Work product routinely meets Acceptable Quality Levels (AQLs) defined in Performance Requirements Summary Table (see SOW or elsewhere in the Task Order).	Work product frequently exceeds Acceptable Quality Levels (AQLs) defined in Performance Requirements Summary Table (see SOW or elsewhere in the Task Order).
Staffing	Contractor provides marginally qualified or unqualified personnel. Lapses in coverage occur regularly.	Contractor provides qualified personnel. Lapses in coverage may occasionally occur and are managed per individual task order policy.	Contractor provides highly qualified personnel. Contractor reassigns personnel to ensure proper coverage. Actual lapses in coverage occur very rarely, if ever, and are managed per individual task order policy. Contractor ensures staff training remains current.

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Timeliness	Contractor frequently misses deadlines, schedules, or is slow to respond to government requests or is non-responsive to government requests.	Contractor routinely meets deadlines, schedules, and responds quickly to government requests.	Contractor always meets deadlines, schedules, and responds immediately to government requests.
Customer Satisfaction	Fails to meet customer expectations	Meets customer expectations.	Exceeds customer expectations.

TABLE 3: CONTRACT MANAGEMENT PERFORMANCE EVALUATION CRITERIA AND STANDARDS

CRITERION	UNSATISFACTORY	SATISFACTORY	EXCELLENT
Problem Resolution	Problems are unresolved, repetitive, or take excessive government effort to resolve.	Problems are resolved quickly with minimal government involvement.	Problems are non-existent or the contractor takes corrective action without government involvement.
Responsiveness	Contractor's management is unresponsive to government requests and concerns.	Contractor's management is responsive to government requests and concerns.	Contractor's management takes proactive approach in dealing with government representatives and anticipates Government concerns.
Communications	Contractor often fails to communicate with government in an effective and timely manner.	Contractor routinely communicates with government in an effective and timely manner.	Contractor takes a proactive approach such that communications are almost always clear, effective, and timely.

TABLE 4: COST EFFICIENCY PERFORMANCE EVALUATION CRITERIA AND STANDARDS

CRITERION	UNSATISFACTORY	SATISFACTORY	EXCELLENT
Cost Management	Contractor routinely fails to complete the effort within the originally agreed to estimated cost, i.e. cost overruns frequently occur.	Contractor routinely completes the effort within the originally agreed to estimated cost. Contractor provides measures for controlling all costs at estimated costs. Funds and resources are generally used in a cost-effective manner. No major resource management problems are apparent.	Reductions in direct costs to the Government below contract estimated costs are noteworthy. Contractor provides detailed cost analysis and recommendations to Government for resolution of problems identified. Funds and resources are optimally used to provide the maximum benefit for the funds and resources available. Documented savings are apparent.
Cost Reporting	Reports are generally late, inaccurate incomplete or unclear.	Reports are timely, accurate, complete and clearly written. Problems and/or trends are addressed, and an analysis is also submitted.	Reports are clear, accurate, and pro-active. Problems and/or trends are addressed thoroughly, and the contractor's recommendations and/or corrective plans are implemented and effective.

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See Attachment - Performance Requirement Summary Table

CAR H11 – CONTRACTOR PERSONNEL SECURITY REQUIREMENTS (JUL 2009)

In accordance with SECNAV M-5510.30 Chapters 5 and 6, all Contractor personnel that require access to Department of Navy (DON) information systems and/or work on-site are designated Non-Critical Sensitive/IT-II positions, which require an open investigation or favorable adjudicated National Agency Check (NACLC) by the Industrial Security Clearance Office (DISCO). Investigations should be completed using the SF- 85 Form and the SF-87 finger print card. An interim clearance can be granted by the company Security Officer and recorded in the Joint Personnel Adjudication System (JPAS). An open investigation or favorable adjudication is required prior to issuance of a Common Access Card (CAC) card or a badge providing access to NSWCCD sites and buildings. If an unfavorable adjudication is determined by DISCO all access will terminated.

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SECTION I CONTRACT CLAUSES

CAR-I18 TECHNICAL INSTRUCTIONS (DEC 2001)

(a) Performance of the work hereunder may be subject to written technical instructions signed by the Task Order Manager. As used herein, technical instructions are defined to include the following:

(1) Directions to the Contractor that suggest pursuit of certain lines of inquiry, shift work emphasis, fill in details or otherwise serve to accomplish the statement of work.

(2) Guidelines to the Contractor that 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 task order. Technical instructions may not be used to :

(1) assign additional work under the task order;

(2) direct a change as defined in the "Changes" clause of the base contract;

(3) increase or decrease the contract price or estimated amount (including fee), as applicable,

the level of effort, or the time required for task order performance; or

(4) change any of the terms, conditions or specifications of the task order.

(c) If, in the opinion of the Contractor, any technical instruction calls for effort outside the scope of the task order 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 Contracting Officer notifies the Contractor that the technical instruction is within the scope of this task order.

(d) Nothing in the paragraph (c) of this clause shall be construed to excuse the Contractor from performing that portion of the task order statement of work which is not affected by the disputed technical instruction.

(End of Clause)

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SECTION J LIST OF ATTACHMENTS

Performance Evaluation Criteria

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