

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE U	PAGE OF PAGES 1   2
2. AMENDMENT/MODIFICATION NO. 60	3. EFFECTIVE DATE 15-Oct-2009	4. REQUISITION/PURCHASE REQ. NO. N0002409PD10967	5. PROJECT NO. (If applicable) N/A
6. ISSUED BY SUPSHIP GULF COAST 1000 LITTON ACCESS ROAD, P.O. BOX 7003 PASCAGOULA MS 39568-7003	CODE N69316	7. ADMINISTERED BY (If other than Item 6) DCMA MARYLAND 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) Gryphon Technologies, LC 6301 Ivy Lane Suite 300 Greenbelt MD 20770	9A. AMENDMENT OF SOLICITATION NO.		
	9B. DATED (SEE ITEM 11)		
	10A. MODIFICATION OF CONTRACT/ORDER NO. N00178-04-D-4061-7F01		
CAGE CODE 05TP2	FACILITY CODE 942207838	[X]	10B. DATED (SEE ITEM 13) 22-Jan-2007

**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.**

<input type="checkbox"/>	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.
<input type="checkbox"/>	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).
<input checked="" type="checkbox"/>	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: mutual agreement of the parties
<input type="checkbox"/>	D. OTHER (Specify type of modification and authority)

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

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

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

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## **GENERAL INFORMATION**

The purpose of this modification is to reallocate funding for LCS IPDA ODC's. Accordingly, said Task Order is modified as follows: A conformed copy of this Task Order is attached to this modification for informational purposes only.

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## SECTION C DESCRIPTIONS AND SPECIFICATIONS

### STATEMENT OF WORK (SOW)

#### 1. SCOPE OF CONTRACT

1.1. The Contractor shall provide design, engineering, technical, data management, Information Technology (IT) services, logistical and related support in connection with the construction, reactivation, design, planning, conversion, repair and overhaul ships and crafts under the cognizance of the Supervisor of Shipbuilding, U. S. Navy, Gulf Coast (herein referred to as SupShip, SupShip Gulf Coast or SSGC). Attachment 001 of Section J provides an estimation of hours for functional areas used to accomplish the requirements of this SOW.

1.2. The Contractor shall review, develop and or modify drawings; perform engineering studies; review test schedules and documentation; develop technical data/specifications; observe and track technical testing; ascertain and define technical configuration of equipment and technical accuracy of supporting documents / software; develop and create critical path information for testing analysis, and production; review and or analyze Engineering Change Proposals (ECPs) and Proposed Engineering Change Proposals (PECPs), Waterfront Changes (WFC), ship class documents, and Provisioning Technical Documentation (PTD) for engineering and / or logistic content; analyze technical validity of technical manuals; and ascertain and define technical accuracy of Planned Maintenance System (PMS) documents. The services will be required for any vessel design/construction under the cognizance of SSGC including but not limited to: surface vessels such as AS, AVT, BB, CV, CG, DD, DDG, DDX, LHA, LHD, LPD, LSD, LST, LCU, LCS, LSV, FFG, PHM, T-AGS, T-AGOS, AGOR, barges and lighters.

1.3. Overtime, shift work and work at sea may be required as well as travel in support of the requirements of this contract.

1.4. The Contractor shall designate personnel to serve as liaison to SupShip as may be required and deemed necessary for prompt accomplishment of assigned task orders.

1.5. The Contractor shall maintain a supervisory, management and administration facility within regular commuting distance of SupShip Gulf Coast. The Government reserves the right to visit the Contractor's facility to assure that all requirements of the contract are being met. The requirement for maintaining a facility and liaison office will not be construed to mean that the Government will be obligated to pay any direct costs in connection therewith, and further, the Contractor shall not be entitled to any payment in connection with any personnel kept in readiness at such facility. The Contractor shall provide transportation from his facility to the job site and return.

1.6. The Contractor shall provide IT equipment and software necessary to perform the duties required by this contract, except where provided for the Contractor through the Navy/Marine Corps Intranet (NMCI) or other Government resources. The Contractor shall use prevailing ADP standards to ensure compatibility and interoperability of software and data products developed in the course of the contract's execution.

#### 2. WORK REQUIREMENT

2.1. The Contractor shall provide technical services to SupShip Gulf Coast to assist in Quality Assurance (QA) inspection and Production Control activities as described in the following paragraphs:

2.1.1. The Contractor shall provide a Compartment Completion Inspection (CCI) team with verifiable experience in compartment completion procedures aboard U. S. Navy ships. The Contractor shall conduct supplemental indoctrination and training to ensure that each member of the team is prepared to accomplish compartment completion inspections. The Contractor's inspection team will use prepared checklists, engineering drawings, Ship Specifications, MIL-STDs, previous trial deficiencies, observation records, Engineering Change Proposal (ECP) data, special paint requirements, wireway requirements and related documents as provided by SSGC. Those documents will be maintained in a file folder for each compartment. The Contractor shall support SupShip in identifying Builder's and Acceptance Trials compartment deficiencies using Government provided data regarding trial card submission and completions.

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2.1.2. The Contractor shall provide personnel familiar with ANSI/ASQC Q9001-1994 or ANSI/ASQC Q9001-2000 inspection criteria and requirements. A Quality Program plan conforming to the requirements of ANSI/ASQC Q9001-1994 or ANSI/ASQC Q9001-2000 by the Shipbuilder will be monitored and reviewed to ensure procedures and accomplishment are acceptable to the government.

2.1.3. The Contractor shall provide, when requested, routine surveillance and special investigation inspection services in accordance with locally prepared checklists. Special investigation services may include, but are not limited to:

2.1.3.1. Electrical wireway installation inspection

2.1.3.2. Regular Preservation and Preventive Maintenance inspections

2.1.3.3. HM&E test witnessing

2.1.3.4. Corrosion Control and coating application inspection

2.1.3.5. Fabrication shop inspections

2.1.3.6. Fiber Optic Installation and LAN distribution inspections

2.1.3.7. Doors, Hatches, Scuttles and Troughs inspections.

2.1.3.8. ECP installation verification for Post Delivery Availabilities (PDAs).

2.1.3.9. Flushing and Testing System inspections.

2.1.4. The Contractor shall review, monitor and maintain updated status of all major material receipts, installation and testing.

2.1.5. The Contractor shall provide regular estimates of vessel physical progress.

2.1.6. The Contractor shall investigate significant differences with Shipbuilder's estimate in order to provide an accurate basis on which to determine progress payments to the Shipbuilder.

2.1.7. The Contractor shall monitor in-process and finish ships construction utilizing builder's drawings and Military Specifications (MIL-Specs).

2.1.8. The Contractor shall research, review and evaluate Shipbuilder's completed work bills in piping, ventilation and electrical disciplines; and evaluate work bill progress and compliance with: blueprints, plans, specifications and other contractual requirements.

3. The Contractor shall provide engineering and technical services to SSGC Engineering Department in support of Alteration Installation Teams (AIT), Aviation, Combat, IC Systems and HM&E areas as described in the following paragraphs:

3.1. The Contractor shall review designated detailed design drawings and proposed technical modifications for compliance with design specification requirements and satisfactory incorporation of desired design modifications.

3.2. The Contractor shall evaluate engineering drawings, technical manuals, Preliminary Engineering Change Proposals (PECPs), Engineering Change Proposals (ECPs) and other technical documentation as required. Written comments will be provided for any contractual discrepancies found during the review. The Contractor shall research and prepare responses to the Shipbuilder RCIA's, GFIDs and other formal and informal technical information requests. The Contractor shall perform systems engineering functions, detailed calculations and analyses including finite element analysis, shock and dynamic analysis and vibration studies. Contractor personnel will attend and provide technical support during design reviews and other technical meetings with SSGC, NAVSEA, the Shipbuilder and

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other personnel to review technical comments, ECP development and engineering design problems.

3.3. The Contractor shall maintain a web-based database of engineering documentation annotated as to various products evaluated and which marked-up products are being retained, the identity of ECNs and ECPs that were included in the most recent evaluation, and identification of applicable deficiency records with their current status. Personnel performing this task may be required to conduct ship-checks to validate design issues, research production and Sea Trial deficiencies on prior or current ships under construction and to validate the “as built” condition with the current design documented on the selected record drawings.

3.4. The Contractor shall review and technically evaluate engineering documentation such as: Project Peculiar Documents (PPDs), contract drawings, contract guidance drawings, changes, ECPs, contract problem reports, agreements and other documentation defining the SPAWAR Total C4ISR Integrated (TCIP) approach. Compare detail design and development drawings against the contractual configuration. The Contractor shall maintain technical liaison with the SPAWAR technical codes to assure that all personnel have a common understanding of TCIP problems and maintain all documentation for reference and retrieval as necessary.

3.5. The Contractor shall coordinate with the technical liaison within the NAVSEA Interior Communication (IC) technical codes to assure that all SSGC personnel have a common understanding of IC problems, including fiber optic technology and Local Area Network (LAN) distribution systems.

3.6. The Contractor shall review and research trial deficiencies and provide information pertaining to reported problems. The Contractor shall assist the technical teams and consolidate or condense the Government position for entry into the Construction and Availability Management System (CAMS). In performance of this task, personnel may be assigned by the Contractor as a member of specific Sea Trial teams and some travel may be required.

3.7. The Contractor shall provide engineering and technical support to the SSGC AIT coordinator in the identification and resolution of arrangement, interference and systems interface problem areas in accordance with NAVSEA Technical Specification 9090-310(D). The Contractor shall mark-up or redline applicable drawings, noting the interferences and interface problem areas. Personnel performing this task may be required to initiate the technical documentation required for solution of these problems via the established Waterfront Change procedures. The Contractor shall establish and maintain a database of the various AIT installations showing the ongoing status and completion.

3.8. The Contractor shall act as a point of contact for Aviation Systems Design and installation matters supporting the Aviation and Assault Integrated Process Product Team (IPPT) and the SPAWAR C4ISR IPPT. The Contractor shall also support SSGC Aviation and Assault systems technical codes with knowledge of the aviation certification process.

3.9. The Contractor shall support SSGC as a participant on the Combat System Software Change Control Board (CSSCCB) in evaluating Class I ECPs (software).

3.10. The Contractor shall support SSGC as a member of the Combat System Design Review Team (CSDRT) and will ensure implementation of the contract design within the resulting detail design. The Contractor, as a part of the CSDRT, will review the shipboard design and installation to ensure hardware / software compatibility as well as compatibility with the established interface and switching requirements as specified by the contract design package.

3.11. The Contractor shall review all drawing comments provided by various Naval Surface Warfare Centers (NSWC) located at Carderock, Philadelphia and Port Hueneme for contractual requirements. The Contractor shall identify and provide, to cognizant SSGC personnel, those deficiencies and recommend which should be forwarded to the shipbuilder via Corrective Action Request (CAR). The Contractor shall establish and maintain a database for identification and correction of CARs. Documentation will be initiated for submittal to the INSURV board for all discrepancies not corrected by the shipbuilder.

3.12. The Contractor shall evaluate Contractor Furnished Equipment (CFE) Factory Test Reports identified on the Contract Data Requirements List (CDRL) for Shock and Vibration Criteria, Electromagnetic Interference (EMI), Electromagnetic Compatibility (EMC) and other Factory Test procedures. Provide comments / results and recommend approval / disapproval of CDRL test reports to cognizant SSGC engineer and Project Office.

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4. The Contractor shall provide additional technical support services to the SSGC Engineering Department.

4.1. The Contractor shall conduct research of established files to identify drawings, technical manuals, work item numbers and other technical data as may be required by SSGC.

4.2. The Contractor shall identify, prepare requisitions for, track status of, assemble and prepare for delivery, Contractor Requested Information (CRI) submitted to and approved by SSGC.

4.3. The Contractor shall, in response to identified technical manual deficiencies, identify the source of, prepare requisitions for, track the status of and assemble technical manuals for delivery and/or reproduction.

4.4. The Contractor shall review the Shipbuilder's Technical Manual Status Report (TMSR) and verify each Technical Manual (TM) identified in the TMSR is correct and the current TM for the associated equipment / APL agrees with the Technical Data Management Information System (TDMIS). The Contractor shall compare all equipment and APLs in the TMSR against the Contractor Furnished Equipment (CFE) identified in the Configuration Data Manager's Database-Open Architecture (CDMD-OA). The Contractor shall identify those equipments / APLs that require technical manuals but are not listed in the TMSR. Recommended changes will be prepared and deficiencies reported via the Quarterly Technical Manual Deficiency Evaluation Report (TMDER). This task includes the Contractor reviewing "proof copies" of Shipbuilder-produced TMs to ensure all Government comments / concerns are properly included in the final product.

4.5. The Contractor shall review all Schedule 'A' receiving reports to determine which Government Furnished Equipment (GFE) requires technical manual support. Technical manuals received with GFE will be verified correct and containing the most current changes. The Contractor shall compare all GFE equipment / APLs against TDMIS to verify the correct and current manual is received.

4.6. The Contractor shall, after identifying the correct CFE and GFE required manuals, obtain the necessary copies to support the ship load-out plus sufficient copies for SSGC, the Shipbuilder, and Test Team personnel. Technical publications required to support the ship master data bank and work centers' data banks will be assembled, audited for completeness and accuracy, and will be updated until ship load-out. The Contractor shall identify, receive, assemble and deliver technical manuals required for each ship to the Shipbuilder .

4.7. The Contractor shall, in conjunction with the review of CFE/GFE technical manual requirements, develop a Publication Status List (PSL) which provides a current listing of publication status for technical manuals required to support ship systems, equipments and components installed on each ship. The PSL will contain Government and Contractor Furnished Information (GFI/CFI) and will include publication title, Technical Manual Identification Number (TMIN), change level, equipment designation, security classification, delivery data and problem status, if applicable.

4.8. The Contractor shall research technical documentation and prepare an Outfitting Publication Applicability List (OPAL), which will identify all publications applicable to the operation and maintenance of shipboard equipment for each ship.

4.9. The Contractor shall provide support to the SSGC Project Office Integrated Logistic Support (ILS) and material manager by maintaining positive identification of GFE using the latest Schedule 'A' information, including contract modifications; and comparing the actual material received and the Shipbuilder's receiving documentation to Schedule 'A'. Where practical, records and reporting will be consolidated with similar tasks detailed elsewhere in the Statement of Work.

4.10. The Contractor shall ensure that Shipbuilder CDRLs submitted to the Government are in compliance with requirements of the technical manual development plans, outline book plans and preliminary and final technical manuals for newly procured equipment. The Contractor shall coordinate with the In-Service Engineering Agency (ISEA) for timely development of new GFE manuals, identify and obtain manuals not readily available, and provide technical manual support to SSGC. The Contractor shall monitor the timely transmittal of Schedule 'C' information to the Shipbuilder and liaise with NAVSEA on Schedule 'C' matters. The Contractor shall monitor Non-Schedule 'C' data requests with respect to identifying the source of the data, ordering the data, and initiating specification changes if required. The Contractor shall obtain Government and vendor drawings required for the SSGC technical library and verify data referenced on trial cards and deficiency records are contractual.

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5. The Contractor shall provide services to SSGC in support of the Technical Library function and configuration management program.

5.1. The Contractor shall receive and file incoming drawings, Engineering Change Notices (ECNs), Technical Manuals (TMs), and other data maintained in the Technical Library.

5.2. The Contractor shall update files as required such as posting of changes in Technical Manuals.

5.3. The Contractor shall locate and issue, or copy for issue, specific data as requested by users.

5.4. The Contractor shall order drawings, ECNs, Technical Manuals, and other data maintained by the Technical Library as required. The Contractor shall utilize Technical Data Management Information System (TDMIS), contractual documentation and ECP contractual documents / technical manuals as reference data.

5.5. The Contractor shall load data in the Technical Manual database, inventory Technical Manuals, and generate reports from the database as required.

5.6. The Contractor shall operate all reproduction equipment in the Technical Library. Provide services for storage and retrieval of electronic formatted technical manuals. The Contractor shall provide experienced personnel for this function who are knowledgeable in the use of current technology.

5.7. The Contractor shall evaluate and process Government Furnished Information (GFI) requests. Locate and order GFI, reproduce data and transmit to requestor.

5.8. The Contractor shall review the Shipbuilder's Technical Manual Status Report (TMSR). The Contractor shall verify accuracy of each identified technical manual with regard to equipment APL and Technical Data Management Information System (TDMIS).

6. The Contractor shall provide technical administrative support services to the SupShip Platform Project Office.

6.1. The Contractor shall enter Government provided data into a web-based database to monitor specific ship Change Actions. The Contractor shall compile this data by sorting the Change Actions by quantity and dollar value into SupShip specified processes. Within each process, the Contractor shall sort the data into groupings by the number of days the action has been in the specific process.

6.2. The Contractor shall review, track and monitor approval status for changes to the Shipbuilder's contract that could result in an Administrative Contracting Officer Contract Modification (AMOD). The documents to be monitored include Engineering Change Proposals (ECPs), Preliminary Engineering Change Proposals (PECPs), Condition Reports / Changes, Memoranda of Agreements (MOA), Design Progress Review (DPR) Agreements, Memoranda of Understanding (MOU), Lien Listings against drawings, and other changes that could become part of an 'A' or 'P' Modification to the Shipbuilder's Contract. Monitoring will include an assessment of impact to ship equipment configuration, Schedule 'A', Shipbuilder Contract specifications, Combat Systems Acceptance and Check-Out Facility (CSACF) testing, shipboard testing, and ILS.

6.3. The Contractor shall provide an active liaison with the SupShip Contracts Department personnel, SupShip Platform Project Office personnel, SupShip Engineering Department personnel, the Technical Analysis Review Board, and the Shipbuilder regarding GFE, ECP, and PECP issues and concerns.

6.4. The Contractor shall provide analyses and recommendations to SupShip regarding ECP, PECP, and Design Condition Report impact to Schedules 'A' and 'C', drawings, Waterfront Changes, Post Delivery Availabilities, and ship construction schedule.

6.5. The Contractor shall verify proper and timely execution of the ECP by shipboard validation. The Contractor shall develop and maintain a web-based application capable of detailed historical and current data storage and retrieval. The Government furnished documentation will include detailed data concerning ECNs, ECPs, PECPs, AMODs, Condition Reports, and Drawing Lien Lists.

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6.6. The Contractor shall provide a weekly Change Action Report covering contractual documentation between SupShip and Shipbuilder resulting in AMODs. The general format for the report will be designated by the Government. The computer data deliverables will be in database formats specified by SupShip or compatible with the systems in use.

6.7. The Contractor shall process and maintain an inventory of all incoming and outgoing Contract Data Requirements Lists (CDRLs), assign action to the cognizant engineering group based on CDRL data, generate reports indicating which CDRLs are near their due date. The Contractor shall ensure all SupShip CDRL comments are forwarded to NAVSEA for NAVSEA approved CDRLs, and generate SupShip letter formats for SupShip approved CDRLs. The Contractor shall ensure information contained in Program Reviews is accurate and reflects a correlation of both the Shipbuilder and SupShip data. Electronic CDRLs will be downloaded from Shipbuilder's electronic media to SupShip's server and distribute to the cognizant SupShip engineering group for both NAVSEA and SupShip CDRLs requiring approval and disposition. The Contractor must have prior expertise with Shipbuilder CDRL management on a major surface combatant.

6.8. The Contractor shall provide technical expertise to SupShip to support litigation and claims issues with the Shipbuilder.

6.9. The Contractor shall provide technical expertise to SupShip, when requested, for improvement of processes and procedures using state-of-the-art methods.

6.10. The Contractor shall perform duties as identified below for Navy/Marine Corps Intranet (NMCI) and the SupShip Gulf Coast Network including preparation, implementation and maintenance. The Contractor must maintain personnel on staff with requisite knowledge of NMCI and SupShip Gulf Coast Network systems and understand associated program objectives:

6.10.1. The Contractor shall prepare for NMCI by coordinating technical preparation effort, determine the potential impact of NMCI implementation, collect data concerning direct or indirect loss of capability that may result from NMCI implementation, develop contingency plans to mitigate or prevent loss of capability and execute preparatory activity in support of NMCI.

6.10.2. The Contractor shall develop a plan to facilitate implementation of the NMCI, develop and prioritize implementation milestones, consolidate and coordinate changes to implementation schedules and priorities, brief personnel on technical implementation issues, support implementation activity and document activities prior to, during and after implementation.

6.10.3. The Contractor shall establish procedures for effective maintenance after implementation, prioritize outstanding implementation issues, consolidate and coordinate ongoing support of NMCI.

6.10.4. The Contractor shall perform other duties as necessary to support NMCI implementation, SupShip Gulf Coast Networks and other ongoing activities.

6.10.5. The Contractor shall deliver to SupShip, reports in a format and frequency to be specified by SupShip.

6.10.6. The Contractor shall maintain and modify application programs developed for SupShip by coordinating the prioritization of application modifications, modify application programs to comply with NMCI requirements, consolidate data and programs into an integrated web-based application portal, where applicable, to allow an open-architecture upgrade path for future development and modification and utilize technologies that will diminish effort required in future development and modification initiatives.

6.11. The Contractor shall provide technical expertise to SupShip, when requested, in support of shared database development, management and Network engineering. Provide administrative assistance and support in the implementation and maintenance of NMCI.

6.12. The Contractor shall provide experienced technical and administrative services to SSGC regarding Combat System Integrated Product and Process Team (CSIPPT) program matters in support of the Combat System Manager (CSM) as outlined below.

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6.12.1. The Contractor shall process Government Furnished Information (GFI) along with data from other vendors required by the Shipbuilder.

6.12.2. The Contractor shall provide experienced personnel to monitor the Shipbuilder's combat system design, procurement, integration, installation and checkout of both hardware and software.

6.12.3. The Contractor shall assist SSGC in resolving all questions relating to GFID or other Government furnished data.

6.12.4. The Contractor shall coordinate and administer control of Government Furnished Equipment (GFE).

6.12.5. The Contractor shall receive the Shipbuilder's contract deliverables for coordination, review and approval as appropriate.

6.12.6. The Contractor shall participate in the review of preliminary ECPs prior to submission to the Shipbuilder.

6.12.7. The Contractor shall participate in reviews as required to access status of design/construction activities and progress.

6.12.8. The Contractor shall participate in Shipbuilder design review board meetings when required.

6.13. The Contractor shall provide technical and administrative support as part of the Contractor Support Team (CST) as necessary to accomplish specific assigned tasks.

7. The Contractor shall provide engineering and technical administrative support services to SupShip Project Offices.

7.1. The Contractor shall enter designated Government, Shipbuilder and Contractual information and correspondence into a contractor maintained web-based tracking system.

7.2. The Contractor shall track and status correspondence requiring action.

7.3. The Contractor shall match response to action correspondence with the original request to assure that action is taken in a timely fashion and related data can be retrieved at a later time to support technical research or claims avoidance action.

7.4. The Contractor shall retrieve historical data for engineering and technical personnel to support both contract-related and technical investigations.

7.5. The Contractor shall enter Government provided data into a contractor maintained web-based database to monitor change actions.

7.6. The Contractor shall provide support for Program Reviews to include identification of issues, scheduling of facilities and personnel, attending technical sessions and splinter meetings, recording discussions, and follow-up on action items assigned.

7.7. The Contractor shall maintain a file of NAVSEA and SupShip technical review comments and assure that comments are forwarded to the correct action personnel. Lists of outstanding deficiencies and status of ECPs will be maintained throughout the contract.

7.8. The Contractor shall receive, process and/or originate technical correspondence as required.

7.9. The Contractor shall provide engineering and technical support as requested to include technical and administrative services relating to Shipbuilder Condition Report processing. The Contractor shall coordinate responses from Government agencies and prepare the official government response. Related correspondence will be prepared and tracked. The Contractor shall maintain a Condition Report database.

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7.10. The Contractor shall provide administrative and technical support to SupShip Project Offices in preparation for Program Reviews and other special events. Support will include, but is not limited to, creating slide presentations, reserving/preparing conference rooms and preparing meeting materials.

7.11. The Contractor shall receive and maintain the status of all contract data requirements.

7.12. The Contractor shall gather and provide overall program status and progress. Problem areas which threaten to cause contract delays or substantial cost increases will be highlighted.

7.13. The Contractor shall assist in organizing and facilitating business and technical meetings.

8. The Contractor shall provide engineering, technical and administrative support to the SupShip ILS and Material Departments for the following:

8.1. The Contractor shall review the engineering systems technical data, engineering drawings, technical manuals, integrated logistic support data, ILS Checklists and configuration baseline documentation to determine changes required to update requirements and establish the new baseline specified by contract, contract specifications, engineering drawings, technical manuals and specifications.

8.2. The Contractor shall identify, develop, initiate and maintain the ship configuration baseline and establish a CDMD-OA database which will be used by the Government to record, monitor, track and display each ship's configuration, track ship engineering systems' changes and the update of related logistic support data at the Repairable Identification Code (RIC), Allowance Parts List (APL), and Allowance Equipment List (AEL) level for each functionally significant item of Contractor and Government Furnished equipment installed.

8.3. The Contractor shall maintain, within the CDMD-OA database, ship engineering system configuration baseline and related change data.

8.4. The Contractor shall review PECPs/ECPs and analyze the impact to Schedules 'A' and 'C', Combat Systems Configuration and Ship's specifications. The Contractor shall evaluate the ILS impact of PECPs/ECPs. The Contractor shall review adjudicated ECPs to ensure sufficient hours were negotiated to update ILS data and report findings to SSGC.

8.5. The Contractor shall maintain the Government Furnished Equipment (GFE) portion of the Logistics Configuration Baseline (LCB) as a hierarchically related top-down breakdown system. The Contractor shall maintain the LCB as an interactive process and update information as engineering change data is received.

8.6. The Contractor shall perform the following in support of Logistic Support Analysis (LSA):

8.6.1. The Contractor shall assist in a technical review of class LSA documentation which includes assessment of the Shipbuilder's maintenance planning, provisioning, resources, manpower and personnel, and integrated logistic support requirements to determine ability to support design analysis and decisions.

8.6.2. The Contractor shall analyze, determine and provide recommendations to resolve technical issues which impact follow-on ships under construction.

8.6.3. The Contractor shall attend LSA reviews and record all comments generated. The Contractor shall review and evaluate the Shipbuilder's change activity and corrective action to resolution, and advise SSGC of any adverse impact on schedule. The Contractor shall maintain a web-based database of all comments and report the open / closed status on the action items monthly.

8.6.4. The Contractor shall review and determine the Shipbuilder's progress on all outstanding Provisioning Technical Documentation (PTD) identified in LSA block diagrams.

8.6.5. The Contractor shall ensure documentation accurately reflects all non-standard equipment and components identified on ships systems block diagrams, Functional Failure Analyses (FFA), maintenance task identification, maintenance task definition, maintenance requirement processes, and the quantity of packages processed and

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forwarded to Navy Inventory Control Point, Mechanicsburg (NAVICP-M) and the Naval Surface Warfare Center – Carderock Division (NSWC-CD), Philadelphia Detachment for ships as required by Contract Data Requirements Lists (CDRLs).

8.6.6. The Contractor shall ensure updates and changes are incorporated in CDMD-OA in order to accurately identify the ship configuration, which determines engineering and operational support, ship selected records and logistic support loaded at ship delivery. The Contractor shall participate in incremental COSAL reviews to ensure the configuration changes were correctly accepted in the Weapons System File (WSF). Follow-on reviews of Automated Shore Interface (ASI) products will be conducted to ensure changes made to CDMD-OA after Load COSAL have been incorporated. This will continue through CDMD-OA cut-off.

8.6.7. The Contractor shall develop Allowance Appendix Pages (AAPs) and Allowance Change Requests (ACRs) as required and submit recommended change documentation.

8.6.8. The Contractor shall maintain copies of all change data and make that updated information available for re-evaluation by the Shipbuilder for implementation on follow-on hulls.

8.7. The Contractor shall perform the following in support of the Logistic Readiness Review (LRR):

8.7.1. The Contractor shall assist NAVSEA Platform Logistics Manager and SupShip in conducting the LRR. Provide personnel upon request to support in Shipboard Site Validation, Planned Maintenance System (PMS) and Technical Manuals.

8.7.2. The Contractor shall assist in the resolution of discrepancies.

8.8. The Contractor shall perform the following in support of Configuration Validation.

8.8.1. The Contractor shall conduct a physical inventory of ship systems, equipment and components installed during the ship construction cycle. The Contractor shall conduct the inventory aboard ship or at the construction module prior to integration. The Contractor shall validate Hull, Mechanical and Electrical (HM&E) systems not validated by the Shipbuilder, with the exception of non-APL worthy items, and items with a CDMD-OA application quantity greater than one. SupShip Material Department personnel may identify other groups of items that have large quantities of identical material for which the Contractor shall validate a single item. Using Government provided data, the Contractor shall verify validation of 25 percent of the Shipbuilder validated equipments. Additionally, the Contractor shall validate all Government Furnished and Contractor Furnished electronic and ordnance equipment. The Contractor shall produce a monthly statistical status report providing a breakdown of equipment and component validation tasking accomplished. The Contractor shall provide a monthly Sight Validation Inconsistencies Report with a detailed listing of inconsistencies between validation records and CDMD-OA records.

8.8.2. The Contractor shall review GFI problems identified by PRECOM Crew/Ship Force as potential operations or maintenance support problem areas. Analysis will include finding, discussion, problem identification and corrective action recommendations. The Contractor shall conduct research to determine impact on existing engineering and technical data and prepare proposed update to Allowance Parts Lists (APL), Allowance Equipage Lists (AEL), Allowance Appendix Pages and other CDMD-OA input documents for submission.

8.8.3. The Contractor shall conduct a physical inventory on all Government Furnished Equipment (GFE) at the completion of receipt inspection by the Shipbuilder. The Contractor shall track equipment and any related changes accomplished during CSACF/Production pipeline through shipboard installation. The Contractor shall identify, analyze and provide change data to be used to validate timeliness and accuracy of technical manuals, drawings and other related engineering information which may have an impact on status of engineering and operational spares support.

8.8.4. The Contractor shall track GFE accessories identified during receipt inspection and ensure correlation of specific accessory items to the applicable Schedule 'A' number, Expanded Ship's Work Breakdown Structure (ESWBS) designator and corresponding APL and AEL. The Contractor shall conduct research of engineering documentation to positively identify the received material. The Contractor shall conduct research to identify potentially excess material presented by the Shipbuilder as remaining in storage and considered Excess Schedule 'A' Material. The Excess Item Listing will be reviewed and positive identification of these items provided to a specific

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Schedule 'A' ESWS and APL / AEL. Schedule 'A' requirements will be reviewed and validity of Shipbuilder analysis determined.

8.8.5. The Contractor shall maintain positive control and identification of GFE and GFM Medical and Dental material by obtaining the latest Schedule 'A' information with modifications, comparing actual material received to the Schedule 'A', comparing the Shipbuilder's receiving documentation to the Schedule 'A' and sight validating aboard ship. Where practical, Medical and Dental Material records and reporting will be consolidated with similar tasks contained elsewhere in the Statement of Work

8.8.6. The Contractor shall maintain positive control and identification of APL-worthy GFE and GFM Medical and Dental consumable material. The process will include obtaining the latest Authorized Medical Allowance List (AMAL) and Authorized Dental Allowance List (ADAL) information with modifications, comparing actual material received to the AMAL and ADAL, comparing the receiving documentation to the AMAL and ADAL and sight validating in the warehouse or aboard ship. Where practical, Medical and Dental Material records and reporting will be consolidated with similar tasks contained elsewhere in the Statement of Work.

8.8.7. The Contractor shall maintain positive control and identification of GFE and GFM Aviation Individual Material Readiness List (IMRL) items, obtaining the latest schedule 'A' and IMRL information with modifications, comparing actual material received to the Schedule 'A' and IMRL, comparing the Shipbuilder's receiving documentation to the Schedule 'A' and sight validating aboard ship after installation.

8.8.8. The Contractor shall resolve discrepancies found during receipt inspection for GFE, GFM, Medical, Dental and IMRL equipment and accessories and report findings to SSGC.

8.8.9. The Contractor shall maintain sufficient receipt records to identify individual piece parts found within IKEE, INCO and MAMs kits, as well as multiple items listed as loose parts on the Shipbuilder's receiving report.

8.9. The Contractor shall perform the following to support the Fitting-Out Logistic effort:

8.9.1. The Contractor shall conduct a review of each ship's configuration baseline requirements derived from the Shipbuilder's contract specifications, drawings, technical manuals, and other related engineering, technical and logistic support data. Component, equipment or part availability will be researched and verified. The Naval Supply System, ISEAs and PARMs will be queried to identify potential sources for engineering systems' parts support or component replacement. The Contractor shall conduct research to validate price, unit of issue, cognizance code, National Stock Number (NSN), etc., to support ship systems' testing or installation to the established contract schedule.

8.9.2. The Contractor shall monitor new system Material Support Dates (MSD) to ensure they will be fully supported by the Navy Supply System. If MSDs will not be met by the Load COSAL extract, the Contractor shall monitor the progress of the PARMs / ISEAs to provide Interim Support Plans (ISP), including interim parts to support the system. SSGC will review ISPs to ensure the parts listed are in the Technical Manuals and contained in the Provisioning Parts List (PPL) and Allowance Parts List (APL). The Contractor shall load the interim parts requirements into ROMIS-MMS for tracking.

8.9.3. The Contractor shall review the ship configuration baseline documentation to identify technical and engineering changes, which may impact existing logistic support requirements. Applicability of excess material assets to other ship systems or follow hulls will be determined, if applicable, and the necessary reallocation requests prepared.

8.9.4. The Contractor shall screen MILSTRIP reports for cancellation notices, update requirements as necessary to ensure logistic support is ordered and received for respective ship engineering systems at ship delivery. The Contractor shall prepare the required requisition documentation on all added requirements resulting from engineering or logistic support changes.

8.9.5. The Contractor shall process the NAVSUP 1109 tape data upon receipt. Monitor outstanding requisitions to ensure adequate status, process cancellations, respond to internal and external Material Obligation Validation (MOV) requests and ensure requisitions contain proper MILSTRIP priority to meet SupShip material availability requirements.

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8.9.6. The Contractor shall manage Allowance Appendix Page (AAP) material requirements. A working copy of the Stock Number Sequence List (SNSL) will be maintained for accuracy for both Storeroom Items (SRI) and Operating Space Items (OSI) reflecting current allowances as a result of the AAP.

8.9.7. The Contractor shall maintain current Maintenance Assistance Modules (MAMs) allowance documentation. The Contractor shall maintain proactive liaison with NAVSEA personnel on the status of "pushed" material so that minimal duplicate orders are received.

8.9.8. The Contractor shall update status records as requisitioning activity occurs to ensure material is on order and received prior to ship delivery.

8.9.9. The Contractor shall maintain Ordnance Handling Equipment (OHE) allowance and availability information. A listing that contains current allowance and availability of OHE will be obtained and any inconsistencies between obtained records and local records will be documented and reported.

8.9.10. The Contractor shall maintain status of proper allowances and onboard quantities of test equipment. The Contractor shall compare initial test equipment listing (Specification 3) developed in accordance with NAVSEAINST 9082.1 against the known Ship Portable Electrical / Electronic Test Equipment Requirements List (SPETERL) configuration and report differences to the cognizant Navy activity. Requisitions for the equipment will be initiated, and changes made as required to CDMD-OA to cause both the associated APL and AEL to be recorded at NAVICP for each piece of SPETERL equipment. The Contractor shall maintain liaison with ship's force to ensure the Shipbuilder delivers test equipment within calibration time parameters.

8.9.11. The Contractor shall assist in the management of outfitting purchases and maintain records on purchase request documentation from request initiation through material receipt by the ultimate customer.

8.9.12. The Contractor shall monitor requisition status for material with shipping / backorder dates that will not meet the requirements for ship's departure. The Contractor shall identify sources of supply, prepare requisition documentation, forward to the funds administrator for approval, load requisition in ROMIS-MMS, and track / expedite material through receipt.

8.9.13. The Contractor shall assist SSGC and ships force personnel with updating the General Use Consumables List (GUCL) allowances. The Contractor shall maintain current GUCL allowance documentation and assist SSGC in resolving technical issues regarding GUCL allowances.

8.10. The Contractor shall perform duties as identified below for data installation and update.

8.10.1. The Contractor shall maintain compatibility and or commonality with the existing Government computer programs and databases.

8.10.2. The Contractor shall develop documentation in the form of a System Design Document for all computer programs or web-based systems used, created or modified during the course of the contract. Those computer programs and web-based systems will include programs developed during this contract, as well as those provided to the Contractor as GFM/GFI at the start of this contract, which may have been developed and used during previous work on this same effort.

8.10.3. The Contractor shall develop operating procedures for all programs created or modified in this contract and prepare Operator Manuals detailed enough that someone previously unfamiliar with the computer programs can access the data. The Operator Manual will be provided in a format which will be user friendly and easily understood. The Contractor must demonstrate the ability to perform this task.

8.10.4. The Contractor will coordinate with SSGC ADP department regarding the installation of computer data generated on Government computers located in Government spaces. Updates to that data will be accomplished monthly and verified that data was updated correctly and can be accessed for information, report generation and data changes. The Contractor shall maintain information documenting the installation of the computer programs, databases and provide verification of data manipulation capability. At the completion of this contract, all hard-copy documentation and computer data/disks/diskettes will be delivered to the Government for retention.

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8.10.5. The Contractor shall operate and maintain all data management systems, including web-based application portals and associated databases necessary to perform assigned tasks during the performance period, including systems developed and used prior to the performance period for work on the same effort.

8.11. The Contractor shall provide experienced personnel to prepare MILSTRIP requisitions (NAVSUP form 1250-1), maintain the requisition Material Outstanding File, monitor status of requisitions outstanding, process cancellations and process Material Obligation Validation (MOV) documents. For Depot Level Repairable (DLR) material, the Contractor shall turn-in and monitor the carcass and replacement material in accordance with standard MILSTRIP / MILSTRAP procedures. The Contractor shall monitor and evaluate Installation and Check-Out (INCO) material stockage levels, and maintain a Defective Material Report (DMR) database. INCO kit material usage will be tracked and replenishment spare parts requisitioned as required.

8.12. The Contractor shall develop the Equipment Guide List (EGL) master for each work center after ship's company identifies ownership of each compartment. The Contractor shall coordinate with the Ship's Damage Control Petty Officer (DCPO) to ensure EGLs are accurate.

8.13. The Contractor shall perform Planned Maintenance System (PMS) functions as identified below:

8.13.1. The Contractor shall receive and review PMS documentation such as List of Effective Pages (LOEP), Maintenance Index Pages (MIPs) and Maintenance Requirements Cards (MRCs) provided as GFI on CD-ROM from NAVSEALOGCEN. One copy of the documentation will be distributed to the Shipbuilder and one copy to the applicable Precommissioning Crew.

8.13.2. The Contractor shall receive and review applicable Shipbuilder CDRLs for PMS impact and report results to SupShip.

8.13.3. The Contractor shall be able to produce a hardcopy of the Maintenance Index Page (MIP) and Maintenance Requirement Card (MRC) as reference material to respond to queries.

8.13.4. The Contractor shall, through the use of Technical Manuals, engineering drawings, PMS documentation, LSAs, COSAL and COSAL-related products, determine the adequacy and availability of Standard PMS Material Identification Guide (SPMIG) and non-standard tools, parts, materials and test equipment to perform PMS in accordance with current directives.

8.13.5. The Contractor shall maintain liaison with the Ship's Crew, Ships Platform Manager and NAVSEALOGCEN supporting SupShip in matters regarding PMS.

8.13.6. The Contractor shall prepare recommendations to SupShip for correction of discrepancies, inadequacies and non-support of identified PMS requirements. The recommendations will be accompanied by draft copies of an AAP, APL, AEL, ACR or PMS feedback report as appropriate.

8.13.7. The Contractor shall provide PMS support and participate in Logistic Support Analyses and Logistic Readiness Reviews, Supply Support Reviews and Integrated Logistics Support Management Team (ILSMT) meetings.

8.14. The Contractor shall provide logistic analyses for ILS delivery support, reviewing compliance with specification requirements and outfitting file preparations for ship's delivery. The Contractor shall assist ships force personnel in all outfitting actions, including installation of automated management information systems including Relational (R)-Supply (R-Supply) Automated Shore Interface (ASI) and Organizational Maintenance Management System Next Generation (OMMS-NG). The Contractor shall assist ships force personnel in resolving logistical deficiencies.

9. The Contractor shall provide engineering, technical and administrative support for the Ship Testing program for the following:

9.1. The Contractor shall provide support to the Total Ship Test Program (TSTP) to include the following:

9.1.1. The Contractor shall receive, inventory, and file approved Test Procedures (TPs), as well as associated Test Problem Reports (TPRs) and Test Procedure Change Notices (TPCNs). Approved TPs will be reviewed for applicability to current ship design and report results to SupShip.

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9.1.2. The Contractor shall provide experienced personnel to establish and maintain a web-based database that contains information from the TSTP Test Index on Government furnished computers. Programs will be written by the Contractor in a format directed by SupShip. Programming support will be provided to develop and maintain the database and report formats.

9.2. The Contractor shall perform test witnessing services to include the following:

9.2.1. The Contractor shall receive and log test calls from the Shipbuilder as defined by current shipbuilding contract requirements. Appropriate personnel will be notified as required.

9.2.2. The Contractor shall provide experienced test witness personnel that are thoroughly familiar with the test procedure content. Related shipboard production efforts will be monitored to assist SupShip in determining test readiness status, and ensure all prerequisite tests have been satisfactorily completed with calibrated test equipment.

9.2.3. The Contractor shall maintain an electronic database for completed Test Witness Reports (TWRs) on completed or partially completed tests. Remarks, comments, and or conditional information will be recorded in the Test Index database.

9.2.4. The Contractor shall update the Test Schedule as required.

9.2.5. The Contractor shall identify all testing problems to appropriate SupShip coordinators for appropriate action.

9.2.6. The Contractor shall assist SupShip in coordinating Production and Test Schedules.

9.2.7. The Contractor shall provide test witness support for testing of equipment installed in the Combat Systems Acceptance and Checkout Facility (CSACF) as applicable. Support will require the same data and documentation as shipboard testing.

9.2.8. The Contractor shall review and evaluate the data in completed test reports. All recorded test data readings will be verified as within acceptable testing tolerances. Recommendation of test acceptance or test rejection will be provided to the SupShip Test Officer and test personnel.

9.3. The Contractor shall maintain and track the overall status of test programs including test scheduling, status, witnessing, technical/material problems and such other items as may be required. A weekly test report will be provided in the format specified by the SupShip Test Officer.

9.4. The Contractor shall support SupShip as an experienced member of the Combat System/C4ISR Team. The Contractor shall provide engineering and technical support for all activities affecting the Combat System and C4ISR equipment including interfaces. The Contractor shall review computer program specifications and test procedures for tactical and simulation software applicability to ensure that all interface and system compatibility requirements are met. In support of this task, the Contractor shall provide personnel that have Combat System/C4ISR Installation, Test and Integration experience on a major surface combatant or amphibious platform.

10. The Contractor shall provide technical services to SSGC to assist in the technical application of specifications and drawings for the labor hours and material associated with Hardware and Software requirements for Combat Systems, Electronic Systems, HM&E and Life Cycle Engineering and Support (Planning Yard) programs. The Contractor shall provide personnel experienced in procedures applicable to Planning Yard Programs.

10.1. The Contractor shall review SHIPALT engineering drawings for technical adequacy of design. Review criteria will include but not be limited to the following areas: Content and accuracy; material which meets long lead time material acquisition guidelines, and assurance of Form, Fit and Function.

10.2. The Contractor shall review labor hours and material related to Engineering Change Proposals (ECPs), including Accuracy of Material Takeoffs; and Correctness of quantities specified.

10.3. The Contractor shall review each material item to assure conformance to the applicable drawings, specifications

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and technical manuals.

10.4. Technical and engineering evaluation of Monthly Program Status Reports with regard to technical and engineering products produced by the Planning Yard will be provided to assure compliance with produced milestones.

10.5. NAVSEA generated Technical Instructions (TIs) will be reviewed for accuracy and completeness and monitor progress of TIs to completion.

10.6. Excess or deferred material will be reviewed to assure accountability.

10.7. Findings and recommendations will be addressed to SupShip as required.

11. The Contractor shall provide technical and administrative support to the SupShip Contracts and Finance departments in support of financial and contract analysis functions. Specific tasking will include , but not be limited to, the following:

11.1. Unmatched Distributions (UMDs) and Negative Unliquidated Obligations (NULOs) will be reviewed and appropriate corrective action taken. Discrepancies associated with NULOs applicable to the financial system validation of outstanding obligations, and identification of excess funds resulting from process differentials, invalid or canceled documents will be reviewed and reconciled. Initial training for that tasking will be provided to the Contractor's data entry personnel by the Government.

11.1.1. Assigned source documents will be reviewed and reconciled with/against applicable DOD systems and take corrective action to eliminate discrepancies.

11.1.2. Assigned contract obligations will be reconciled to Standard Accounting and Reporting System (STARS) and identify discrepancies for correction. The Contractor must have prior experience with STARS.

11.1.3. Assigned contract disbursements will be reconciled between paying office transactions and STARS.

11.1.4. Assigned outstanding commitments and obligations will be reviewed and necessary action taken to recoup excess funds.

11.2. Data management applications will be developed and maintained as directed by SupShip.

11.2.1. All contract records will be reviewed to ensure material tasks are properly authorized and funded.

11.2.2. Assistance will be provided to DCAA in their audit analyses of Level of Effort (LOE) and material costs.

11.2.3. Monthly and Weekly Financial Reports will be reviewed for compliance with 75% Letter Notifications and ACRN cost activity to ensure costs do not exceed available funding. Interface with the Shipbuilder and SupShip personnel on 75% Letter discrepancies in order to prevent ACRN funding overruns.

11.2.4. The Contractor shall assist SupShip contracts department personnel to ensure contract closeouts are accomplished in a timely manner.

11.2.5. Monthly Obligation Plans will be reviewed in comparison with Planning data to ensure accuracy of reported data.

11.2.6. The Contractor shall assist SupShip Contracts Department with Award Fee Evaluation of Cost category with respect to ACRN cost accountability in contract categories specified by SupShip.

11.2.7. The Contractor shall assist SupShip Contracts Department in evaluating Contract Modifications and Invoices to determine accuracy of ACRN funding to invoiced cost and interface with the Shipbuilder and SupShip Contracts Department to clarify and resolve discrepancies.

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11.2.8. Proposed end of year Non-Severable Contract Modifications will be reviewed to ensure accuracy of data provided by Shipbuilder and assist SupShip correct noted discrepancies.

11.2.9. PSA and Life Cycle material DD250 packages will be reviewed for accuracy of requirements vice material delivered and provide recommendation for closeout to SupShip.

11.2.10. Each material package will be reviewed at the ACRN level to ensure the material costs are accurately invoiced.

11.2.11. Findings and recommendations of preceding tasks will be addressed to SupShip Contracts and Finance Departments as required.

11.3. The Contractor shall provide assistance to SSGC in the analysis and documentation of Contractor's Earned Value Management Systems (EVMS).

11.3.1. The data analyzed will include, but not be limited to Cost Performance Reports (CPR), Cost Schedule Status Reports (CSSR), CPR / SSR support (underlying) data, Performance Measurement Baseline (PMB) Schedule, Resources, Direct / Indirect Rates, and Scheduling data.

11.3.2. The review and analysis will include, but not be limited to the following:

11.3.2.1. The Contractor shall trend and assess Current and Cumulative Labor (dollars and hours), Material Cost and Schedule Performance (CPI and SP1) indices.

11.3.2.2. The Contractor shall review and provide an assessment of actual and forecasted Overhead Rates.

11.3.2.3. The Contractor shall trend and provide assessment of actual incurred Labor Rates, Current and Cumulative, against Budget.

11.3.2.4. The Contractor shall trend and provide an assessment of actual incurred material cost against Budget.

11.3.2.5. The Contractor shall trend and provide an assessment of Contractor Schedule data against that reported within the CPR.

11.3.2.6. The Contractor shall develop and maintain current cost data by CLIN to include: Target Cost, Base Fee, Award Fee, segregating the Basic contract from authorized Changes.

11.3.2.7. The Contractor shall develop and provide an assessment of the Variance(s) provided in the period CPRs; isolating Cost and Schedule Drivers.

11.3.2.8. The Contractor shall provide an Independent Estimate At Completion (IEAC) using "EV" techniques, in three increments (e.g., most likely, best case, and worst case) to compare with Contractor's EAC/LRE; provide an analysis of any major differences.

11.3.2.9. The Contractor shall perform Profit/Loss analyses.

11.3.2.10. The Contractor shall provide support and input for DAES, CPARS, IPARS, and Award Fee evaluations.

11.3.2.11. The Contractor shall interact and team with others (NAVSEA & Support Contractors) as required by SSGC and / or the Program Office.

11.3.3. The Contractor shall identify, develop and or use Cost Estimating Relationships (CERs) and Cost Models to parametrically perform IEAC and Estimates To Complete (ETC) in both hours and dollars in support of ship construction.

11.3.4. The Contractor shall identify the need and use of trend analysis/earned value tools/software (In House developed/COTS products) in support of data analysis and report development.

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11.3.5. The Contractor shall maintain/Collect and archive as necessary, Program Cost and Schedule data, analyses, reports, and presentations.

11.3.6. The Contractor shall attend and, as requested, be prepared to brief Program/Project Managers at scheduled meetings, and attend Program Reviews (New Orleans/Pascagoula).

12. The Contractor shall provide engineering and technical support to SSGC Platform Project Office in the form of Waterfront Change (WFC) support as follows:

12.1. The Contractor shall receive Waterfront Change Requests and perform a technical check for accuracy; add contract requirements, drawing references and shipcheck as required. Prepare copies and forward to appropriate SupShip Platform Project Office. A file of original Waterfront Change Requests will be maintained.

12.2. The Contractor shall establish and maintain a database of WFC forms in prevailing software standards (to ensure compatibility and interoperability) with the status of action taken, and reference or link to waterfront changes and trial cards as appropriate.

12.3. The Contractor shall prepare Waterfront Changes including shipcheck of problem area, statement of work and supporting engineering documentation or sketches as required. Applicability to follow-on ships will be determined.

12.4. The Contractor shall ship-check Waterfront Changes, delineate discrepancies and provide completion report when the Shipbuilder satisfactorily completes installation or tasks. Using prevailing software standards, the Contractor shall establish and maintain a database of waterfront changes showing accurate status.

12.5. The Contractor shall perform such other engineering and technical tasks as required to expedite progress of waterfront changes and actions

12.6. The Contractor shall monitor Engineering Change Proposals (ECPs), review the drawings to ensure approved ECPs have been incorporated, perform ship checks to status Shipbuilder's progress, and update the ECP data base as changes are incurred.

12.7. The Contractor, under the direction of the SupShip Platform Project Office, will perform or participate in all phases of the in-yard Shock inspection process.

13. The Contractor shall provide engineering, technical and administrative services to the SupShip Platform Project Offices in support of the Construction and Availability Management System (CAMS) as described in the following tasks. The Contractor shall provide engineering, technical and administrative services to SupShip in support of conventional Navy Trial processes.

13.1. The Contractor shall enter trial deficiency data and comments into the CAMS. Manage and coordinate the CAMS field actions that are the responsibility of SupShip. The Contractor shall retrieve information resident in the CAMS for SupShip engineering personnel and others engaged in technical research related to the ship construction.

13.2. The Contractor shall coordinate SupShip CAMS tasks with that system administrator.

13.3. The Contractor shall provide data entry personnel to enter, maintain and update trial deficiency data, status and comments into CAMS during shipboard construction / testing, Builder's Trials (BT), Acceptance Trials (AT), Final Contract Trials (FCT), and special trials. Information resident in a computerized CAMS database will be retrieved for SupShip engineering personnel and others engaged in technical research related to assigned shipbuilding construction programs.

13.4. The Contractor shall process the status, closing comments and re-screening actions of trial cards as directed. The original INSURV trial deficiency deck will be provided to the applicable Ship Platform Acquisition Manager for conduct of the trial card screening conference as well as recommend re-screening of trial deficiency cards to the appropriate Ship Platform Acquisition Manager.

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13.5. The Contractor shall monitor and ensure the appropriate action to complete both Shipbuilder and SupShip responsible trial deficiencies. The Contractor shall track the location and disposition of all Shipbuilder responsible trial cards returned to the Navy and provide disposition to SupShip on all action taken in regard to trial cards previously screened 'Government Investigate'. The Contractor shall ensure timely feedback from the Shipbuilder of trial deficiency closure data.

13.6. The Contractor shall perform quality assurance to ensure that the initial entry of trial deficiency data in the CAMS database is accurate and technically correct.

13.7. The Contractor shall, subsequent to completion of data entry and quality checks, maintain the CAMS database for accuracy relative to the closure of deficiency records / trial deficiency data.

13.8. The Contractor shall provide personnel to support screening conferences for shipboard trials conducted during the construction period and Final Contract Trials. In performance of this task, some travel may be required.

13.9. The Contractor shall manage warranty issues associated with trial deficiencies and maintain the warranty section of the CAMS.

14. The Contractor shall provide Engineering, Technical and Administrative services to SSGC Engineering Department and SSGC Platform Program Office in support of the Pre-commissioning (PRECOM) Crew. The Contractor shall use personnel that are experienced with aviation requirements and NAVAIR procedures.

14.1. The Contractor shall provide direct support to all Aviation Department PRECOM personnel on issues relating to the understanding and utilization of ship specifications, and ship construction drawings.

14.2. The Contractor shall conduct physical inventories of delivered Schedule 'A' Individual Material Readiness List (IMRL) equipment upon arrival at the designated Navy or Shipbuilder warehouse.

14.3. The Contractor shall report receipt of correct Schedule 'A' Aviation IMRL equipment to NAVAIR, PMA260, and SSGC Code 500 after completion of sight inventory.

14.4. The Contractor shall develop and maintain a database listing equipment receipt date, part number, serial number, Schedule 'A' number, installation location, and any other required remarks deemed necessary.

14.5. The Contractor shall research and develop, including inputs from PRECOM personnel, waterfront change packages including statement of work, supporting engineering documentation or sketches as required, and ship check procedures for installation of Aviation IMRL Equipment into appropriate shipboard spaces.

14.6. The Contractor shall conduct periodic follow-up ship checks of Waterfront Change progress, delineate discrepancies and provide completion reports to the Project Office.

14.7. The Contractor shall support SSGC during NAVAIR New Construction Ships Outfitting Plan (NCSOP) review conferences. Provide IMRL delivery schedule and installation support, Aviation Certification requirements and historical data related to IMRL outfitting of new construction ships to SSGC and the PRECOM personnel.

14.8. The Contractor shall support SSGC during IMRL inventory and accounting at Cheatham Annex and during the TYCOM / SECA IMRL tailoring and turnover conferences.

14.9. The Contractor shall provide on-site support to SSGC for delivery of the appropriate PMA260 IMRL support equipment to be utilized during the Aviation Facilities Certification.

14.10. The Contractor shall assist the AIMD officer during the planning, installation and verification of Aviation Electrical/Electronic Test Benches and support equipment, load-out of NAVAIR special tools and publications. The Contractor shall provide assistance during the initial start-up of the Combined Field Calibration Activity.

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## **SECTION D PACKAGING AND MARKING**

All Deliverables shall be packaged and marked IAW Best Commercial Practice.

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## **SECTION E INSPECTION AND ACCEPTANCE**

Inspection and acceptance of the services to be furnished hereunder shall be made at destination by the Task Order Manager or his duly authorized representative.

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## SECTION F DELIVERABLES OR PERFORMANCE

### CLIN - DELIVERIES OR PERFORMANCE

The periods of performance for the following firm items are from date of task order award through 12 months thereafter, estimated at:

1001	1/22/2007 - 1/20/2008
1002	1/22/2007 - 1/20/2008
1003	9/14/2007 - 9/13/2008
1004	9/14/2007 - 9/13/2008
1005	6/2/2008 - 6/1/2009
1006	6/2/2008 - 6/1/2009
3001	1/22/2007 - 1/20/2008
3002	1/22/2007 - 1/20/2008
3003	9/14/2007 - 9/13/2008
3004	9/14/2007 - 9/13/2008
3005	6/2/2008 - 6/1/2009
3006	6/2/2008 - 6/1/2009

The period of performance for the following option items are from date of option exercise through 12 months thereafter, estimated at:

1007	1/18/2010 - 1/16/2011
1008	1/18/2010 - 1/16/2011
1009	1/17/2011 - 1/15/2012
1010	1/17/2011 - 1/15/2012
3007	1/18/2010 - 1/16/2011
6008	1/18/2010 - 1/16/2011
6009	1/17/2011 - 1/15/2012
6010	1/17/2011 - 1/15/2012

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## SECTION G CONTRACT ADMINISTRATION DATA

### SECTION G CONTRACT ADMINISTRATION DATA

G.1 The Government points of contact are:

SUPSHIP Contracting Officer point of contact is:

#### G.2 Funding, Invoices and Payments

(a) The Contractor shall notify the Contracting Officer and the Task Order Manager (TOM), in writing, whenever it has reason to believe that the costs it expects to incur under this task order in the next sixty (60) days, when all costs previously incurred, will exceed 75% of the total amount so far allotted to the delivery order by the Government. The notice shall state the estimated amount of additional funds required to continue performance for the period specified in the delivery order.

(b) The Government is not obligated to reimburse the Contractor for costs incurred in excess of the total amount awarded on this delivery order by the Government; and the Contractor is not obligated to continue performance under this delivery order or otherwise incur costs in excess of the total amount awarded under this delivery order. Invoices shall be submitted in accordance with the schedule for services.

(c) Billing can be accomplished on a monthly basis, periodic payments are allowed. Invoices for recurring services will include COR acceptance from the authorized COR or Alternate that costs billed during the billing period are acceptable.

#### G.3 DESIGNATION OF CONTRACTING OFFICER REPRESENTATIVE:

To be Determined

#### G.4 TASK ORDER MANAGER

(a) The below individual is appointed the "Task Order Manager" (TOM) for this task order:

(1) Task Order Manager

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(b) It is emphasized that only the Contracting Officer has the authority to modify the terms or the delivery order. Therefore, in no event will any understanding, agreement, modification, change order, or other matter deviating from the terms of the basic delivery order between the Contractor and any other person be effective or binding on the Government. When/If, in the opinion of the Contractor, an effort outside the existing scope of the delivery order is requested, the Contractor shall promptly notify the TOM and Contracting Officer in writing. The Contractor shall take no action unless the Contracting Officer has as issued a contractual change.

(c) In the absence of the TOM named above, all responsibilities and functions assigned to the TOM shall be the responsibility of the Alternate TOM acting in behalf of the TOM. The following individual is assigned as the Alternate TOM:

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## SECTION H SPECIAL CONTRACT REQUIREMENTS

### PERSONNEL QUALIFICATION REQUIREMENTS

The Contractor shall be required to provide personnel having the following minimum of professional and technical experience. The specialized experience included as part of the required qualifications shall have been obtained in the fields of endeavor indicated by the applicable labor categories listed below:

**PROGRAM DIRECTOR** - Ten (10) years'experience with major emphasis in management and administration,including at least four (4) years of experience in program/project management as related to contracted work to the Department of Defense. A Bachelor of Science in Engineering (BSE) is required; a BS or BA degree in a technical/non-technical field may be substituted provided that personnel meet all other requirements and have at least five years within the ten years required of work experience directly related to the position being submitted. In lieu of a degree and ten years experience, twenty (20) years of related work experience can be substituted for personnel not having the required degree. Must possess the skills and ability to effectively communicate both orally and in writing.

**PROGRAM MANAGER** - Ten (10) years experience with major emphasis in management and administration, including at least four (4) years of experience in program/project management as related to contracted work to the Department of Defense. A BSE is required; a BS or BA degree in a technical/non-technical field may be substituted provided that personnel meet all other requirements and have at least 5 years within the ten years required of work experience directly related to the position being submitted. In lieu of a degree and ten years experience, twenty (20) years of related work experience can be substituted for personnel not having the required degree. Must possess the skills and ability to effectively communicate both orally and in writing.

**MECHANICAL ENGINEER** - Six (6) years experience including at least two (2) years of design and one (1)year of working drawing experience. A BSE is required;a BS or BA degree in a technical/non-technical field can be substituted provided that personnel meet all other requirements and have at least 5 years within the six years required of work experience directly related to the position being submitted. In lieu of a degree and six years experience, twelve (12) years of related work experience in a related engineering discipline can be substituted for personnel not having the required degree. Must possess the skills and ability to effectively communicate both orally and in writing.

**ELECTRICAL ENGINEER** - Six (6) years experience including at least two (2) years of design and one (1)year of working drawing experience. A BSE is required; a BS or BA degree in a technical/non-technical field can be substituted provided that personnel meet all other requirements and have at least 5 years within the six years required of work experience directly related to the position being submitted. In lieu of a degree and six years experience, twelve (12) years of related work experience in a related engineering discipline can be substituted for personnel not having the required degree. Must possess the skills and ability to effectively communicate both orally and in writing.

**SENIOR ENGINEER TECHNICIAN - COMBAT SYSTEMS** - Six (6)years experience in technical, installation and testing of Combat Systems, Weapons, Electronic and Aviation Systems aboard Navy vessels. A high school diploma is required; a GED or certificate from a vocational training curriculum may be substituted and personnel must also possess minimum work experience as indicated for the position. Must possess the skills and ability to effectively communicate both orally and in writing.

**SENIOR ENGINEER TECHNICIAN - HM&E** – Six (6)years experience in technical, installation and testing of Hull, Mechanical and Electrical Systems aboard Navy vessels. A high school diploma is required; a GED or certificate from a vocational training curriculum may be substituted and personnel must also possess minimum work experience as indicated for the position. Must possess the skills and ability to effectively communicate both orally and in writing.

**SENIOR ENGINEER TECHNICIAN - DRAWING** - Six (6)years experience in technical, design and working drawing experience within the Navy community. A high school diploma is required; a GED or certificate from a vocational training curriculum may be substituted and personnel must also possess minimum work experience as indicated for the position. Must possess the skills and ability to effectively communicate both orally and in writing.

**ENGINEER TECHNICIAN - LOGISTICS** - Six (6) years of experience with emphasis on Department of Defense

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procurement, Equipment and Material Readiness and Integrated Logistics support. A high school diploma is required; a GED or certificate from a vocational training curriculum may be substituted and personnel must also possess minimum work experience as indicated for the position. Must possess the skills and ability to effectively communicate both orally and in writing.

TECHNICIAN - LOGISTICS - Four (4) years experience with emphasis on Department of Defense procurement, Equipment and Material Readiness and Integrated Logistics support. A high school diploma is required; a GED or certificate from a vocational training curriculum may be substituted and personnel must also possess minimum work experience as indicated for the position. Must possess the skills and ability to effectively communicate both orally and in writing.

CLERK TYPIST - A high school diploma is required; a GED or certificate from a vocational training curriculum may be substituted. Must possess the skills and ability to effectively communicate both orally and in writing.

DATA ENTRY CLERK - A high school diploma is required; a GED or certificate from a vocational training curriculum may be substituted. Must possess the skills and ability to effectively communicate both orally and in writing.

LIBRARY TECHNICIAN - A high school diploma is required; a GED or certificate from a vocational training curriculum may be substituted. Must possess the skills and ability to effectively communicate both orally and in writing.

PROGRAMMER - Four (4) years experience with a major emphasis in computer support services. A BS is required; a BA degree in a technical/non-technical field can be substituted provided that personnel meet all other requirements and have at least (6) years of work experience directly related to the position being submitted. In lieu of the degree and four years experience, eight (8) years of related work experience can be substituted for personnel not having the required degree. A high school diploma is required; a GED or certificate from a vocational training curriculum may be substituted. Must possess the skills and ability to effectively communicate both orally and in writing.

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## SECTION I CONTRACT CLAUSES

Section I clauses are in accordance with Section I of the basic IDIQ contract.

### 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 within 30 days after the previous period of performance; provided, that the Government gives the Contractor a preliminary written notice of its intent to extend at least 25 days before the contract expires. 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 6 years.

### ITEM(S) LATEST OPTION EXERCISE DATE

Option 1 12 Months after Task Order Award

Option 2 12 Months after Option Exercise

Option 3 12 Months after Option Exercise

Option 4 12 Months after Option Exercise

### 52.222-41 Service Contract Act (1965)

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## **SECTION J LIST OF ATTACHMENTS**

Cost Summary Sheet