NAVSEA
STANDARD ITEM

FY-19

ITEM NO: 009-01
DATE: 01 OCT 2017
CATEGORY: I

1. SCOPE:

1.1 Title: General Criteria; accomplish

2. REFERENCES:

2.1 ***Standard Items***

2.2 40 CFR Part 61, National Emission Standards for Hazardous Air Pollutants

3. REQUIREMENTS:

3.1 Report delays to the SUPERVISOR.

3.1.1 In the event difficulty is encountered or anticipated in complying with the contract schedule dates, notify the SUPERVISOR immediately by verbal means, followed on the next work day by an original and 2 copies of a letter stating pertinent details. Receipt of this notification by the SUPERVISOR is not to be construed as a waiver of the requirements, delivery schedule by the Government, or waiver of rights or remedies provided by law or under this Job Order or any other requirements in the Job Order relating to jeopardy of contract schedule dates.

3.2 Reports:

3.2.1 When a Work Item does not require a report, and one is determined to be necessary in order to produce a reliable or complete repair, submit one legible copy, in approved transferrable media, of a report with supporting data as early as possible in the contract period. The goal is to have required work completed within the original contract period.

3.2.2 For reports ***required by 2.1 or the Work Item,*** that could result in a change in work to be accomplished or additional material to be procured, complete the preliminary work and submit one legible copy, in approved transferrable media, of the report in a time frame to allow the SUPERVISOR to initiate early action, but no later than the first 20 percent of the availability.

3.2.3 Submit one legible copy, in approved transferrable media, of the following to the SUPERVISOR one day prior to the weekly progress meeting:

3.2.3.1 A report listing Government Furnished Material not received, showing the associated Work Item number and title, material description, expected delivery date, required delivery date, and action proposed to resolve problems resulting from late delivery. Material with expected delivery dates before the required delivery date need not be listed in this report.

3.2.3.2 A report listing late or deficient Government Furnished Information, showing the associated Work Item number, deficiency description, and proposed corrective action.

3.2.3.3 A report of overdue contractor condition reports by Work Item number and expected submission date. The report shall also include those deficiency and condition reports for which Government response is outstanding.

3.2.4 Dry dock related inspection reports shall be submitted no later than the first 20 percent of the scheduled docking period. Dry dock related reports which contain readings (final, thickness, etc.), clearances, alignments, test results, or other such data for work that has to be completed prior to pre-flood/undocking, shall be submitted to the SUPERVISOR within one day after recording the data but no later than 4 days prior to pre-flood/undocking, whichever occurs first.

3.2.5 Reports shall contain the following information:

3.2.5.1 Name and hull number of ship or craft, the Job Order, Work Item, and paragraph numbers including Standard Item paragraph number if applicable.

3.2.5.2 A description of the conditions found with supporting data. Include annotated sketches, graphs, and photographs when necessary to make a report clearly understandable to the SUPERVISOR. Identify actual readings/dimensions taken.

3.2.5.3 Recommendations and/or a list of material required.

3.2.5.4 Data required by, signature, printed name, and title of the contractor's representative, and submission date.

3.2.5.5 Reports written or submitted in NMD satisfy the requirements of 3.2.5.4.

3.2.6 Prepare and submit one legible copy, in approved transferrable media, of a listing of all reports and Process Control Procedures (PCP) required by the CNO/CMAV Job Order to the SUPERVISOR no later than 15 days prior to the start of the CNO/CMAV availability. The listing shall be sequential by Work Item number, and include each applicable paragraph number, PCP/report due date, completion date, submission date, and a provision for adding report serial numbers from NMD. When the equivalent information is provided in the Test and Inspection Plan (TIP) the report may be waived.

3.2.6.1 The report shall be revised and provided weekly throughout the availability to include additions, deletions, modifications, progress, completions, and serial numbers from NMD (e.g., Contractor Furnished Reports (CFR)) after numbers are assigned to the reports.

3.2.7 Where one legible copy of a report in hard copy or approved transferrable media is required, or where sketches, graphs, or photographs are required, the electronic methods and file format shall be as agreed to by the SUPERVISOR.

3.2.7.1 Use NMD, or an approved web interface with NMD, for contracts managed in NMD.

3.2.8 When a report is required to be submitted but no time requirement is specified in the Standard Item or Work Item, it shall be submitted no later than 4 days after completion of the event.

3.3 Accomplish tests and checkouts.

3.3.1 Complete work that requires tests in time to allow correction of deficiencies prior to dock trials, sea trials, or other applicable milestones established in the Job Order.

3.3.2 Do not operate ***new, existing, or repaired equipment on the ship***. Ship's Force will accomplish such operation when required for test, ***maintenance***, and checkout purposes. Such requirements will be coordinated by the SUPERVISOR.

3.3.2.1 Exception will be on unmanned vessels when Ship’s Force is not present.

3.4 Provide labor, material, equipment, and services (such as air, power, water, etc.) which are required to complete the Work Item, including that which is indicated on drawings or test specifications as being provided by sources other than the contractor, unless specifically listed as Government Furnished Material (GFM) in paragraph 5 of the Work Items.

3.4.1 When a performance specification (such as MIL-PRF) is specified, the products approved to that specification are those listed on the Government Qualified Products Database (QPD) for that performance specification. If a Type, Class, Grade or other subcategory is listed, the products approved for use are limited to those that meet that subcategory on the performance specification’s QPD.

3.4.2 Manufacture parts that are not available from the vendor/manufacturer, utilizing NAVSEA approved drawings, technical manuals, templates, or sketches.

3.4.2.1 Verify latest revisions are correct via the SUPERVISOR prior to start of manufacture.

3.4.3 Submit one legible copy, in approved transferrable media, of a status report, listing Contractor Furnished Material (CFM) required to accomplish the work in Work Items that is not already on hand, to the SUPERVISOR not later than 30 days after the Job Order award, or 2 days after availability start date, whichever occurs first. Update the report and submit revisions to the SUPERVISOR every 14 days up to availability start date, within 10 days after availability start date, then monthly thereafter to End of Availability (EOA). The reports are to contain the following:

3.4.3.1 Contract number

3.4.3.2 Contractor's purchase order number

3.4.3.3 Description of material

3.4.3.4 Quantity ordered

3.4.3.5 Date scheduled to be ordered

3.4.3.6 Date ordered

3.4.3.7 Date required to meet production schedule

3.4.3.8 Proposed receipt date

3.4.3.9 A summary listing any problem areas

3.4.3.10 Date submitted to the SUPERVISOR

3.4.3.11 Alteration number

3.4.3.12 Drawing and piece number

3.4.3.13 Manufacturer

3.4.3.14 Manufacturer's part number

3.4.3.15 Date received

3.4.3.16 Work Item number

3.4.4 Purchase Orders

3.4.4.1 Maintain a file of purchase orders for CFM for review by the SUPERVISOR upon request.

3.4.4.2 Submit one legible copy, in approved transferrable media, of selected purchase orders to the SUPERVISOR upon request.

3.5 When a Work Item references Class and Hull specific configuration and Ship Alteration information, planning activity shall validate that reference information (Ship Alteration drawings, LARS, "as built drawings", Test Procedures, etc.) used is correct via the assigned Class Planning Yard.

3.6 Procure Military Specifications and Standards and Commercial Specifications and Standards.

3.6.1 Procure unclassified NAVSEA Standard Plans, Military Specifications and Standards, and Commercial Specifications and Standards referenced in the Work Items.

3.6.2 Classified Military Specifications are available at the office of the SUPERVISOR.

3.6.3 Work Items will normally reference the basic Government Specifications, Standards, or NAVSEA Standard Plans, without suffix letters or numbers which identify revisions or amendments. Unless otherwise specified, the effective issue of these basic referenced documents, including revisions or amendments, shall be the most recent issue at the date of solicitation for a Job Order. Wherever specific dates for specifications, standards, and publications or amendments, revisions, or alterations thereto are specified in the Work Items, issues of those dates specifically shall apply in lieu of any other issue. Where industry standards such as ASTM and ANSI are referenced, the issue or revision in effect on the date specified for Government publication applies.

3.7 Work Items ***may reference specific revision levels of equipment technical manuals or drawings which are not NAVSEA Standard Plans. When these references are listed in a Work Item without*** suffix letters or numbers which identify revisions, change notices, or amendments, unless otherwise specified, the effective issue of technical manuals, including revisions, change notices, or amendments, shall be the most recent issue at the date of solicitation for the Job Order.

3.8 Submit requests for deviations to the SUPERVISOR.

3.8.1 A deviation is defined as any action which is not in conformance with the Work Item requirements, including references thereto, no matter how minor.

3.8.2 Deviations from Work Items and references thereto will not be considered by the SUPERVISOR without a written request from the contractor.

3.8.3 Submit one legible copy, in approved transferrable media, of requests for deviations to the SUPERVISOR within one day of identifying the deviation.

3.8.4 For technical deviations from the references of any Work Item, include the following minimum information:

3.8.4.1 Ship name

3.8.4.2 Hull number

3.8.4.3 Contractor/Subcontractor

3.8.4.4 Name of deviation requestor

3.8.4.5 Identification as an existing condition or result of repair

3.8.4.6 Duration of repair with and without the deviation

3.8.4.7 System, component as indicated in the applicable selected record drawing

3.8.4.8 Location by compartment, frame and deck

3.8.4.9 Description of the deviation and degree of non-compliance

3.8.4.10 Document deviated from

3.8.4.11 Technical justification for the deviation

3.8.4.12 Alteration number if applicable

3.8.4.13 Proposed resolution

3.8.4.14 Date SUPERVISOR response is needed by

3.8.5 The Government does not have an obligation to approve any deviation; it may elect to do so if benefit to the Government can be shown. Accomplish deviation only when authorized in writing by the SUPERVISOR.

3.9 Submit documents (including procedures, required reports, plans, forms) requiring ***SUPERVISOR*** review, approval, acceptance or direction via an NMD Contractor Furnished Report (CFR) unless otherwise directed by the SUPERVISOR.

3.10 Accomplish the requirements of the contract.

3.11 Comply with security requirements.

3.11.1 In the event that the work required by the Job Order requires access to spaces or equipment that are classified, or use of technical manuals, references, or drawings that are classified, the specific security clearance requirements will be identified in the individual Work Item in addition to the requirements provided in the Invitation for Bid/Request for Proposal (IFB/RFP) by the Contract Security Classification Specification (DD Form 254).

3.11.2 Verify that personnel, including subcontractor's personnel, are cleared for the required level of security classification for handling, repair, installation, and testing of classified equipment and for access to areas of the ship which require a specific security clearance.

3.11.2.1 After selection of a subcontractor, prepare in triplicate a DD Form 254 for the subcontract and request the official designated in Paragraph 14.b of the DD Form 254 for the prime contract to approve and sign the DD Form 254 for the subcontract and to make the required distribution. In preparing the DD Form 254 for subcontracts, extract pertinent data from the DD Form 254 pertaining to the prime contract.

3.11.2.2 Prior to starting work on a Work Item that requires a security clearance, submit a list in triplicate of the names, badge numbers or other identification numbers, and security clearances of contractor and subcontractor personnel who will require access to classified information or areas in order to accomplish the work.

3.11.3 Verify that classified equipment removed from ship and classified documents, such as drawings, technical manuals, and test specifications, are marked or tagged and safeguarded at all times in accordance with the National Industrial Security Program Operating Manual (DOD 5220.22-M).

3.12 Comply with applicable federal, state, and local laws, codes, ordinances, and regulations in their entirety. Any reference to a specific portion of a federal, state, or local law, code, ordinance, or regulation in this or any other item shall not be construed to mean that relief is provided from any other sections of the law, code, ordinance, or regulation.

3.12.1 Provide appropriate notification to regional United States Environmental Protection Agency (EPA) in accordance with the requirements of 2.2. Also, comply with notification requirements of state and local air pollution control laws.

3.12.2 Submit one legible copy, in approved transferrable media, of notification required in 3.12.1 that has been provided to any regulatory authority for work on board the vessel to the SUPERVISOR within 2 days of providing such notice to the regulatory authority.

3.13 Maintain a current copy at the job site of the Safety Data Sheet (SDS) for each hazardous material that will be utilized aboard the ship and/or in a Navy facility during the performance of this Job Order. Submit one legible copy, in hard copy or approved transferrable media, to the SUPERVISOR upon request.

3.13.1 Each SDS requires a one-time submittal/acceptance unless the SDS changes or this NAVSEA Standard Item and/or references change.

3.14 Comply with applicable federal, state, local, and foreign contractor host country requirements when using Nuclear Regulatory Commission (NRC) licensed radioactive material, Agreement State licensed radioactive material, and/or machine sources of ionizing radiation on Government property.

3.14.1 Do not commence operations using radioactive material or machine sources of ionizing radiation on Government property until authorized in writing by the SUPERVISOR.

3.14.2 Contract personnel shall not be used as operators under a Navy Radioactive Material Permit (NRMP) issued to a naval facility. Navy personnel shall not be used as operators under a Nuclear Regulatory Commission (NRC) or Agreement State License issued to a contractor.

3.14.3 Submit one legible copy, in approved transferrable media, of a consolidated inventory of all ionizing radiation producing machines or material that will be utilized aboard the ship and/or naval facility during the performance of this Job Order to the SUPERVISOR, 5 days prior to the start of work.

3.14.4 Submit one legible copy, in approved transferrable media, of the applicable NRC or Agreement State License including procedures regarding system process and operation for use of licensed radioactive material, to the SUPERVISOR 5 days prior to the start of work. Agreement State licensees shall provide evidence of NRC Form 241 (Report of Proposed Activities in a Non-Agreement State) with the copy of the license for Agreement State licensees.

3.14.5 Submit one legible copy, in approved transferrable media, of the applicable State license, authorization, or registration for machines that produce ionizing radiation, to the SUPERVISOR 5 days prior to the start of work.

3.14.6 Submit one legible copy, in approved transferrable media, of a formal Radiological Safety Plan which shall include operating and emergency procedures pertinent to the items listed in 3.14.3, and actions to control jobsite-boundary radiation exposures below those allowed for members of the general public under NRC and OSHA standards, to the SUPERVISOR 5 days prior to the start of work.

3.14.7 Provide the SUPERVISOR with remedies to any radiation safety shortcomings identified by the SUPERVISOR, to be rectified prior to commencing operations.

3.15 Correct errors in record keeping by drawing a single line through the error, recording the correct entry, initialing, dating, and printing the name of the person making the correction.

3.15.1 Corrections to records shall be made by the individual that made the original entry and/or signed for the accuracy and validity of the record. If the individual is no longer in the contractor employ or not readily

available at the time of correction the cognizant trade ***SUPERVISOR*** or cognizant project superintendent shall make the correction.

3.15.1.1 Submit corrected report to SUPERVISOR.

3.16 Record and Certification Signature Block or signature shall be legible and in ink. Erasures, write-overs, white-outs, ditto marks, continuation arrows, signature stamps, etc., are not acceptable.

3.16.1 Copying records to "make them neat" is not allowed.

3.16.2 Electronic records shall utilize electronic signature controls for certification of individual providing signature.

3.17 Do not commence operations that could compromise watertight integrity during waterborne availabilities until confirmation by the SUPERVISOR that the ship has at least one back-up power source immediately available for providing power of minimum load to support firefighting and dewatering equipment in the event of loss of shore power.

3.18 Protect the ship and its equipment from damage.

4. NOTES:

4.1 The term "day" means 24 hours prior to or after the scheduled event. “Business day” is used to indicate Monday through Friday, otherwise “day” means calendar day (Sunday through Saturday).

4.2 Known sources for unclassified military specifications and standards are:

https://mercury.tdmis.navy.mil
http://www.assistdocs.com
http://quicksearch.dla.mil

4.3 The term “SUPERVISOR” is defined as the local Government activity responsible for the execution and contract administration of Navy maintenance and modernization work.

4.4 The term "Job Order" is synonymous with the term "Contract" and “Task Order”.

4.5 The term “approved transferrable media” is the form, system or program for submitting reports required as agreed to by the SUPERVISOR.

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

NAVSEA
STANDARD ITEM

FY-19

ITEM NO:	009-19
DATE:	30 JUL 2015
CATEGORY:	I

1. SCOPE:

1.1 Title: Provisioning Technical Documentation (PTD); provide

2. REFERENCES:

2.1 9090-1500, Policies and Procedures Manual, Provisioning, Allowance, and Fitting Out Support (PAFOS), Chapter 4, Provisioning

2.2 Interactive Computer Aided Provisioning System (ICAPS)

3. REQUIREMENTS:

3.1 Provide Provisioning Technical Documentation (PTD) in accordance with 2.1, for all new and/or modified Contractor Furnished (CF), Allowance Parts List (APL) worthy, Hull, Mechanical, and Electrical (HM&E) and/or Electronics components. PTD shall include a Provisioning Parts List (PPL) and Engineering Data for Provisioning (EDFP).

3.1.1 PPL shall identify each part subject to failure/replacement, or required for maintenance of the component, and shall include the following SAE GEIA-STD-0007 Data Product Deliverables (DPDs):

3.1.1.1 Provisioning Contract Control Number (PCCN)

3.1.1.2 Provisioning List Item Sequence Number (PLISN)

3.1.1.3 Indenture Code for non-electronic components

3.1.1.4 Reference Designation for electronic components

3.1.1.5 Commercial and Government Entity (CAGE) Code

3.1.1.6 Reference Number

3.1.1.7 Item Name

3.1.1.8 Quantity Per Assembly (QPA)

3.1.1.9 Quantity Per End Item (QPEI)

3.1.1.10 Unit of Issue (UI)

3.1.1.11 Unit of Issue Price (UI Price)

3.1.1.12 Component Identification Data (CID): Enter all available data

3.1.2 Ship Level Provisioning Parts List (SLPPL) shall include items determined not to be APL worthy in accordance with Appendix G of 2.1, and shall include the SAE GEIA-STD-0007 DPDs identified in 3.1.1.

3.1.3 Statements of Prior Submission (SPS) shall be submitted in lieu of PTD, whenever PTD that meets the requirements of the contract has previously been furnished to the Government. An SPS certifies that all replacement parts are identical to those provided by the previously furnished PTD. The SPS shall apply to the end item or to any component thereof and shall include:

3.1.3.1 End item part number

3.1.3.2 Manufacturer's CAGE

3.1.3.3 Manufacturer's drawing number and revision

3.1.3.4 RIC (APL number)

3.1.3.5 Certification statement certifying that all replacement parts are identical to those identified by the APL or previously furnished PTD

3.1.4 If there are any changes to replacement parts, a PTD package (PPL and EDFP) that identifies the changes shall be submitted in lieu of an SPS.

3.2 An EDFP shall be provided with each PPL and SLPPL submittal. EDFP shall be marked with Distribution Statements in accordance with DoD Directive 5230.24.

3.3 Provide a Contractor Furnished Material (CFM) report and a copy of the Purchase Order and receipt document for each procurement of equipment or components for which PTD or SPS is required. The report shall include:

3.3.1 Contract number

3.3.2 Contractor's purchase order number

3.3.3 Description of material

3.3.4 Quantity ordered

3.3.5 Date scheduled to be ordered

3.3.6 Date ordered

3.3.7 Date required to meet production schedule

3.3.8 Proposed receipt date

3.3.9 A summary listing any problem areas

3.3.10 Date submitted to SUPERVISOR

3.3.11 Alteration number

3.3.12 Drawing and piece number

3.3.13 Manufacturer

3.3.14 Manufacturer's part number

3.3.15 Date received

3.3.16 Work Item number

3.3.17 Submit one legible copy, in approved transferrable media, of the CFM report to the SUPERVISOR no later than 30 days after the Job Order award, every 14 days up to availability start date, within 10 days after availability start date, then monthly thereafter to End of Availability (EOA).

3.4 Submit data for PPLs and SLPPLs via 2.2, or in accordance with the ICAPS compatible format identified in Appendix K of 2.1. Submit SPSs in approved transferrable media (spreadsheet or document) within 20 days after the installation of the contractor's component or equipment.

3.4.1 Submit PTD via the SUPERVISOR to:

NSWCCD-SSES
Attn: Code 9451
5001 S. Broad St.
Philadelphia, PA 19112-5083
E-mail: Charles.R.Simmons@navy.mil

4. NOTES:

4.1 EDFP is required for all systems or equipment that are acquired for Navy use and for which PTD is being acquired. EDFP is the data acquired to support Line Material Item supportability analysis. It is the technical data that provides definitive identification of dimensional, material, mechanical, electrical, or other characteristics adequate for provisioning of the support items of the end article(s) on contract. EDFP consists of but is not limited to data such as specifications, standards, drawings, photographs, sketches

and descriptions, and the necessary assembly and general arrangement drawings, schematics, drawings, schematic diagrams, wiring and cable diagrams, etc. This data is necessary for the assignment of Source, Maintenance, and Recoverability (SMR) codes to assignment of Item Management Codes, prevention of proliferation of identical items in the Government inventory, maintenance decisions, and item identification necessary in the assignment of a National Stock Number (NSN).

4.2 2.1 is available at:

http://www.nslc.navsea.navy.mil/nslcprod/pafos.nsf

4.3 2.2 is available for download from:

https://nedcchrgw.dc3n.navy.mil

NAVSEA
STANDARD ITEM

FY-19

ITEM NO:	009-20
DATE:	***01 OCT 2017***
CATEGORY:	I

1. SCOPE:

1.1 Title: Government Property; control

2. REFERENCES:

2.1 Federal Acquisition Regulation (FAR) Part 45, Government Property

2.2 Defense FAR Supplement (DFARS) Part 245, Government Property

2.3 Federal Acquisition Regulation (FAR) 52.245-1, Government Property

3. REQUIREMENTS:

3.1 Provide and maintain a property control system for government property in accordance with 2.1 and 2.2. The property control system shall include the following functional elements, modified by the additional requirements in the following paragraphs:

3.1.1 Property Management

3.1.2 Acquisition

3.1.3 Receiving

3.1.4 Identification

3.1.5 Records

3.1.6 Movement

3.1.7 Storage

3.1.8 Physical Inventories

3.1.9 Reports

3.1.10 Consumption

3.1.11 Utilization

3.1.12 Maintenance

3.1.13 Subcontractor Control

3.1.14 Disposition

3.1.15 Contract Property Close-out

3.2 Provide for receipt of Government Furnished Property (GFP) as follows:

3.2.1 Submit the names and signatures of persons authorized to receive and account for GFP to the SUPERVISOR.

3.2.2 Inspect GFP immediately upon receipt for possible shipping damage.

3.2.2.1 Note any damage on carrier's copy of the Government Bill of Lading and notify the SUPERVISOR.

3.2.2.2 Forward one signed copy of the Shipping Document (DD Form 1348-1 ***or DD Form 1149***) and one copy of the Bill of Lading to the SUPERVISOR.

3.2.3 Inspect GFP within 5 days of receipt to verify conformance with description and requirements.

3.2.4 Submit one legible copy, in approved transferrable media, of a report within 2 days after inspection to the SUPERVISOR listing product quality deficiencies, including the following:

3.2.4.1 Date discovered

3.2.4.2 National Stock Number (if applicable)

3.2.4.3 Nomenclature

3.2.4.4 Manufacturer

3.2.4.5 Manufacturer's Part Number/Identification Number

3.2.4.6 Contract Number

3.2.4.7 Item condition (new or overhauled/repaired)

3.2.4.8 A specific description of the defect(s), listing drawing or technical manual dimensions, required and actual

3.2.4.9 If material is defective due to mishandling, rust, or moisture

3.2.5 Notify the SUPERVISOR immediately upon discovery of loss, damage, destruction, or theft of Government property.

3.2.5.1 Submit one legible copy, in hard copy or approved transferrable media, of a report in accordance with 2.3 to the SUPERVISOR within 5 days of the discovery.

3.3 Maintain records for GFP, containing the following information:

3.3.1 Ship's name and hull number

3.3.2 Job Order and Work Item numbers

3.3.3 Date received

3.3.4 Shipping document or Bill of Lading number

3.3.5 Date issued

3.3.6 Unit price and quantity

3.4 Dispose of government property as follows:

3.4.1 Return material purchased from the Government under the Cash Sale (Bailment) procedure and not incorporated into the end product being procured under the contract, or consumed directly in the performance of such contract, to the Government at the contractor's expense in the same condition as received. Submit one legible copy, in approved transferrable media, of turn-in document (DD 1348-1) showing material returned for credit, to the SUPERVISOR.

3.4.2 Process material permanently removed from the ship for replacement, substitution, or elimination, whether serviceable or not, including equipment units, parts, and items determined by the SUPERVISOR to be of value to the Government as follows. A written certification shall accompany the inventory schedule submitted to the SUPERVISOR for equipment that has been purged of fluorocarbon or halon materials.

3.4.2.1 Inventory, identify, and tag or otherwise mark such property. Identification shall include ship's name and hull number, Job Order and Work Item numbers, part number/stock number, and item description.

3.4.2.2 Assemble equipment prior to delivery to the Government except as specifically directed in the Work Item.

3.4.2.3 Remove valves or drill holes in empty gas cylinders prior to delivery to the Government.

3.4.2.4 Remove the chemicals from firefighting bottles, remove valves/stems, triple rinse the bottle, and stencil the bottle "Triple Rinsed".

3.4.2.5 Clean each item to be disposed of free of grease and/or substances considered to be hazardous in nature prior to delivery to the Government.

3.4.2.6 Submit one legible copy, in hard copy or approved transferrable media, of the inventory to the SUPERVISOR. The inventory shall be signed by the contractor's representative and submitted when directed by the SUPERVISOR, or in any case, immediately following the completion of each Job Order.

3.5 Submit Final Termination of Inventory Report within 14 days after completion of availability.

4. NOTES:

4.1 None.

NAVSEA
STANDARD ITEM

FY-19

ITEM NO:	009-21
DATE:	***01 OCT 2017***
CATEGORY:	I

1. SCOPE:

1.1 Title: Logistics and Technical Data; provide

2. REFERENCES:

2.1 None.

3. REQUIREMENTS:

3.1 Complete Attachment A for all Government Furnished Material (GFM) and Contractor Furnished Material (CFM) equipment or components installed or permanently removed. This applies to all configuration changes, including alterations and repairs.

3.1.1 Provide individual Attachment A forms for each piece of equipment or component, including contractor submission and SUPERVISOR receipt signatures.

3.1.2 Submit data required by Attachment A, in approved transferrable media (spreadsheet or word processing document), to the SUPERVISOR no later than 5 days after installation or removal of GFM and CFM equipment or components from shipboard system(s).

3.2 Submit all copies of technical manuals, Maintenance Index Pages (MIP), and Maintenance Requirements Cards (MRC) received with GFM and CFM equipment to the SUPERVISOR no later than 5 days after receipt of equipment.

3.3 Data received in 3.2 required for installation and testing will be provided to the contractor.

4. NOTES:

4.1 The technical point of contact for the requirements contained in this NAVSEA Standard Item is the local Class Maintenance Team Logistics.

ATTACHMENT A
EQUIPMENT/COMPONENT LOGISTICS AND TECHNICAL DATA
NAVSEA STANDARD ITEM 009-21

INSTALLED/REMOVED DATE:

ALL DATA FIELDS ARE MANDATORY FILL. WRITE "NONE" WHERE NOT APPLICABLE.

SHIP NAME: HULL:

SPEC PKG. NO.: AUTHORITY (WORK ITEM):

ACTION: RIC:

SHIP CHANGE DOCUMENT (SCD)/SHIPALT NO:

SERIAL NUMBER:

ITEM UNIQUE IDENTIFIER (IUID)/UNIQUE ITEM IDENTIFIER (UII):

VALVE MARK/ELECTRICAL SYMBOL NUMBER:

QUANTITY: SHIPBOARD LOCATION:

RIC NOMENCLATURE:

TM(S) RECEIVED:

PMS MIP/MRC'S RECEIVED:

OBRP(S) RECEIVED:

INSTALLATION DRAWING NO:

RIC CHARACTERISTICS:

1. MFR -
2. MFR DWG -
3. MFR ID -
4. NSN -

CIRCLE ONE: GFM or CFM

COMMENTS: _____

_____

REPORTING CONTRACTOR: _____

PRINTED NAME: _____

SIGNATURE: _____

RECEIVING SUPERVISOR: _____

PRINTED NAME: _____

SIGNATURE: _____

NAVSEA
STANDARD ITEM

FY-19

ITEM NO:	009-39
DATE:	18 NOV 2016
CATEGORY:	I

1. SCOPE:

1.1 Title: Technical Manual Contract Requirement (TMCR) for a New Technical Manual for Commercial Equipment/Component; accomplish

2. REFERENCES:

2.1 NDMS-000172-000, Technical Manual Contract Requirement (TMCR); Commercial Off-The-Shelf (COTS) Equipment Requirements

3. REQUIREMENTS:

3.1 Accomplish the requirements of 2.1.

3.1.1 Deliver the data items listed in Paragraph 1.3 of 2.1 as follows:

3.1.1.1 Submit 3 advance copies to the SUPERVISOR for review within 10 days upon receipt of equipment/component from the vendor.

3.1.1.2 One copy shall be in a form suitable for offset printing.

3.2 Submit supplementary data for commercial manuals in accordance with 2.1 to the SUPERVISOR.

3.2.1 Deliver the data items listed in Paragraph 1.4 of 2.1 as follows:

3.2.1.1 Submit 3 review draft copies (RDC) of the supplementary data to the SUPERVISOR for review within 10 days of receipt of equipment from vendor.

3.2.1.2 One copy of the commercial manual with supplementary data inserted shall be in a form suitable for offset printing.

4. NOTES:

4.1 2.1 is available and can be read on-line at:

https://nsdsa.nmci.navy.mil

NAVSEA
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ITEM NO:	009-41
DATE:	18 NOV 2016
CATEGORY:	II

1. SCOPE:

1.1 Title: Technical Manual Contract Requirement (TMCR) for a Topically Structured Technical Manual; accomplish

2. REFERENCES:

2.1 NDMS-000173-000, Technical Manual Contract Requirements (TMCR); Hull, Mechanical and Electrical (HM&E) Equipment Technical Manual Requirements

3. REQUIREMENTS:

3.1 Accomplish the requirements of 2.1.

3.2 Deliver the data items listed in Paragraph 1.3 of 2.1 as follows:

3.2.1 Submit 3 review draft copies (RDC) to the SUPERVISOR for review within 10 days of receipt of equipment.

3.2.2 Submit one proof copy and one reproducible copy with integrally related art to the SUPERVISOR not later than 30 days after receipt of the reviewed final reproducible copy (FRC).

4. NOTES:

4.1 2.1 is available and can be read on-line at:

https://nsdsa.nmci.navy.mil

NAVSEA
STANDARD ITEM

FY-19

ITEM NO:	009-42
DATE:	18 NOV 2016
CATEGORY:	II

1. SCOPE:

1.1 Title: Technical Manual Contract Requirement (TMCR) for Updating Technical Manual; accomplish

2. REFERENCES:

2.1 NDMS-000174-000, Technical Manual Contract Requirement (TMCR); Technical Manual Revision Requirements

2.2 NDMS-000175-000, Technical Manual Contract Requirement (TMCR); Technical Manual Change Package Requirements

3. REQUIREMENTS:

3.1 Accomplish the requirements of 2.1 or 2.2 as appropriate.

3.2 Deliver the data items listed in Paragraph 1.3 of 2.1 or 2.2 as follows:

3.2.1 Submit 3 review draft copies (RDC) to the SUPERVISOR for review within 10 days after receipt of equipment/component.

3.2.2 Submit one proof copy and one final reproducible copy (FRC) with integrally related art to the SUPERVISOR not later than 30 days after receipt of the reviewed draft copy.

4. NOTES:

4.1 2.1 and 2.2 are available and can be read on-line at:

https://nsdsa.nmci.navy.mil

NAVSEA
STANDARD ITEM

FY-19

ITEM NO: 009-60
DATE: ***01 OCT 2017***
CATEGORY: I

1. SCOPE:

1.1 Title: Schedule and Associated Reports for Availabilities Over 9 Weeks in Duration; provide and manage

2. REFERENCES:

2.1 Standard Items

2.2 S9AAO-AB-GOS-010, General Specifications for Overhaul of Surface Ships

3. REQUIREMENTS:

3.1 Develop one legible copy in Gantt Chart format of an Integrated Production Schedule (IPS) that reflects the manner in which the availability will be accomplished in accordance with the following requirements:

3.1.1 Include Key Events, Milestones, tests, and work being accomplished by Alteration Installation Teams (AITs), Government-Contracted Third Party Maintenance Providers, Ship's Force (S/F), Commercial Industrial Services (CISs), and Fleet Maintenance Activities (FMAs).

3.1.1.1 Alteration (ALT) numbers, Job Sequence Numbers (JSNs), and Task Order numbers (TOs) are considered equivalent to the contractor’s Work Specification Work Items for the purposes of scheduling the work of these third-party organizations in accordance with this Standard Item.

3.1.1.2 The term Work Item is inclusive of these additional methods of identifying a body of work.

3.1.2 Schedule each Work Item to the Work Activity level, listing the planned start and planned completion dates, and durations for each Work Activity.

3.1.2.1 Assign each Work Activity with the appropriate predecessor and successor relationships within the contractor’s scheduling software that establish the logic relationship between schedule Work Activities. An individual Work Activity may have more than one predecessor and more than one successor.

3.1.2.2 Assign appropriate predecessor relationships to each Key Event and Milestone(s) to ensure there is an accurate logical progression through all work activities leading to their assigned Key Event and Milestone(s), and ensure the IPS supports accurate prediction of Key Event and Milestone(s) attainment.

3.1.2.3 Schedule ***Stage 2 Weight Tests and Hydrostatic Tests, and*** all Stage 3 through Stage 6 required tests as Work Activities by Work Item. Include the predecessor/successor relationships between tests, the production work, and system restoration required to manage work-to-test progression. Test Stages are defined in Section 092 of 2.2.

3.1.3 Schedule production work final inspections and testing for work that has to be completed prior to pre-flood/undocking and which generates technical data requiring Government review to complete no later than four days prior to the scheduled undocking (when applicable) or provide a technical justification for not meeting this requirement.

3.1.4 Develop the Schedule of Record (SOR), a revised IPS at the start of the availability (A-0 day) that includes refined sequencing and completeness as a result of completed subcontracting actions, incorporation of additional Government Furnished Information (GFI), or any contract modifications increasing the scope of work between contract/delivery Order award and availability start. Work activities should be scheduled such that no portion of a Work Activity's effort exceeds the dates of its assigned Key Event or Milestone(s).

3.1.5 Identify the amount of total float available on each Work Item Work Activity. Activity schedules should be based on a 5-day workweek unless otherwise specified. Manpower resource allocations shall support accomplishment of the availability on a 5-day workweek basis.

3.1.6 Revise Weekly IPS at the Work Activity level to include additions, deletions, modifications, actual start and finish dates, progress, and completions. Progress shall be based on degree of completion of physical work or accomplishment of the Work Activity.

3.1.6.1 Reassign Milestone and Key Event relationships for incomplete Work Activities when the associated Milestone or Key Event has passed and the Work Activity was authorized as an exception.

3.1.6.2 Activities that fall outside their assigned Key Event or Milestone shall be identified and a mitigation plan shall be developed.

3.1.7 Include the following minimum data elements for each Work Activity in the schedule, as appropriate. Elements listed in Table 1 are not required to be displayed in ADOBE PDF views of submitted IPS unless otherwise directed in this Standard Item.

Table 1
Activity Data Elements and Descriptions

Data Element	Description
Work Item Number (as appropriate)	4-E specification Work Item number
Work Activity Identifier	Numerical designator identifying the Work Activity within the Work Breakdown Structure
Title	Descriptive title of Work Item and Work Activity
ICN (as appropriate)	Industrial Control Number (ICN): AIM/PSS system identifier for naval shipyard and FMA work
Key Event	Key Event applicable to the Work Activity (See 4.5)
Milestone (as appropriate)	Milestone applicable to the Work Activity
System	System(s) affected (See 4.6)
Component (as appropriate)	Component Unit (For example: tank, valve, motor, pump)
Location	Work location/compartment number (See 4.7)
Executing Activity	ID specific organization: Prime KTR, Sub-KTR, FMA, SMMO, AIT, or OSIC
Superintendent or Zone Manager	Responsible Contractor Superintendent or Zone Manager
Planned Start	The start date identified on the current baseline IPS
Planned Finish	The finish date identified on the current baseline IPS
Early Start	Software determined date (See 4.1.13)
Early Finish	Software determined date (See 4.1.14)
Late Start	Software determined date (See 4.1.15)
Late Finish	Software determined date (See 4.1.16)
Actual Start	Actual date for the Work Activity's start
Actual Finish	Actual date for the Work Activity's finish
Percent Complete	Degree of completion based on the Work Activity's work scope and degree of accomplishment
Duration	The total number of work periods required to complete a Work Activity.
Calendar Identification	Number of scheduled workdays per week
Total Float	The amount of time a Work Activity can be delayed without affecting the project finish date

3.1.8 Develop an export of the IPS data elements in a sortable/filterable spreadsheet format compatible with Microsoft Excel.

3.2 Display the IPS in a time-oriented Gantt chart format that shows Critical Path and Controlling Work Items at the Work Activity level and assigned Key Events and/or Milestones.

3.2.1 Revise the Gantt Chart weekly in conjunction with the weekly IPS revisions of 3.1.6.

3.3 Develop a Critical Path Network in Precedence Diagram Method (PDM) format that displays the Critical Path of the availability and the Controlling Work Items with associated Key Events and Milestones. Display Critical Path and Controlling Work Items at the Work Activity level to provide visual representation of the logic relationships between displayed Work Activities.

3.3.1 The network or any sub-network thereof may be continued on additional pages.

3.3.2 Label each Work Item, Work Activity, Milestone, and Key Event of the network with the Work Activity Identifier and title.

3.3.3 Revise the network weekly in conjunction with the weekly IPS revisions of 3.1.6.

3.4 Provide Key Event and Milestone listing.

3.4.1 Generate a listing of Key Event and Milestones, showing for each: Event Title, Original Schedule Date, Revised Schedule Date, and Actual Date of Accomplishment.

3.4.1.1 The revised schedule date and actual date of accomplishment shall be left blank on the initial submission and filled in to reflect actual conditions on subsequent submission of the listing.

3.4.1.2 Revise the Key Event and Milestone listing weekly to reflect up-to-date contract performance.

3.5 Provide manpower management information.

3.5.1 Develop a total manpower-loading curve showing proposed manning throughout the contract period calculated in average men-per-day. The curve shall indicate that portion of the total that is subcontractor provided.

3.5.2 Develop manpower curves showing proposed manning by trade throughout the contract period calculated in average men-per-day. The curves shall indicate that portion of the total that is subcontractor provided. The curve shall be incremented on a weekly progression.

3.5.3 Update the manpower curves of 3.5.1 and 3.5.2 weekly.

3.5.4 Develop a weekly manpower utilization report showing total mandays expended during the previous week, indicating that portion of the total that is subcontractor provided.

3.6 Provide a representative whose function is to coordinate and schedule AIT, Government-Contracted Third Party Maintenance Providers, S/F, CIS, and FMA work with contractor work into the IPS.

3.6.1 The representative shall meet with the AIT, Government-Contracted Third Party Maintenance Providers, S/F, CIS, and FMA between A-90 but no later than A-5 and then daily thereafter commencing on A-0 to compare and coordinate programmed AIT, Government-Contracted Third Party Maintenance Provider, S/F, CIS, and FMA work with the IPS.

3.6.2 Coordinate AIT, Government-Contracted Third Party Maintenance Provider, S/F, CIS, and FMA work integration into the IPS prior to setting the Schedule of Record (SOR). (See 4.1.21)

3.6.2.1 The representative shall develop a report identifying missing or incomplete schedule integration data for known participants in the availability when the SOR is submitted. Identification of missing or incomplete schedule integration data is required to highlight areas of elevated IPS uncertainty, but shall not be cause for delay in establishing the SoR nor the delivery of reports required under this Standard Item.

3.6.3 Incorporate updated progress from AIT, Government-Contracted Third Party Maintenance Providers, S/F, CIS, FMA, and other maintenance providers into the IPS.

3.6.3.1 Provide a common template in Microsoft Excel compatible format to facilitate submission of progress updates of 3.6.3.

3.6.4 Identify, at the weekly progress meeting, schedule conflicts where programmed AIT, Government-Contracted Third Party Maintenance Provider, S/F, CIS, and FMA work interferes with previously scheduled contractor work.

3.6.5 Identify, at the weekly progress meeting, required AIT, Government-Contracted Third Party Maintenance Provider, S/F, CIS, and FMA prerequisite actions necessary to support contractor testing and equipment operation schedule.

3.7 Provide cognizant shipyard management representation to participate in the weekly progress meeting at the time and location agreed to by the SUPERVISOR. The representative(s) must be authorized to make management decisions relative to the routine requirements of the Job Order that, in good faith, commit the contractor. AIT Managers and/or On-Site Installation Coordinators (OSIC) shall participate and represent respective alteration teams in scheduled weekly progress meetings.

3.7.1 Develop a report listing for each Work Item of the Job Order, the Work Item number, Work Item title, scheduled start date, scheduled completion date, actual start date, and the percentage complete. The report shall address changes to the Key Events and Milestones list and major problems of Work Items, to include negative float, and proposed corrective action. The report shall reflect the addition, deletion, or modification of Work Items. Completed Work Items need not be addressed.

3.8 Participate in review conferences at the 25, 50, and 75 percent points in the availability. Data from the most recent submission in

accordance with 3.7.1 will be used at the review conferences. Review conferences will be held within two days of the Weekly progress Meeting of 3.7 or, subject to SUPERVISOR approval, may be held simultaneously with the Weekly Progress Meeting. The conferences will be scheduled at a time and place mutually agreeable to all parties. The contractor shall:

3.8.1 Be prepared to discuss planned production manning versus actual production manning by total, trades, and subcontractors.

3.8.2 Identify known factors that may affect Key Events, Milestones and the contract completion. Provide recommended courses of action to resolve problem areas.

3.8.3 Provide the SUPERVISOR with the status of open and inspect reports and be prepared to discuss possible impact of growth work in these items at the 25 percent review conference.

3.8.4 Provide the SUPERVISOR with the following information for the 50 percent review conference:

3.8.4.1 A machinery reinstallation plan showing projected dates for installing the equipment on the foundation, hook-up of the equipment, and operational tests of the equipment.

3.8.4.2 A valve status list showing projected completion and reinstallation dates.

3.8.4.3 A list of items required for the next Key Event and Production Completion Date (PCD) that are not complete. Annotate those items on the list that may be in jeopardy of completing by the next Key Event and PCD.

3.8.5 Provide the SUPERVISOR with one legible copy, in approved transferrable media, of a test schedule for all planned underway equipment and system testing to the SUPERVISOR to support the 75 percent review conference.

3.9 Submit the following reports as listed in Adobe Acrobat (.pdf), Microsoft Excel (.xls), or Microsoft Word (.doc) compatible media as per Table 2 and Table 3:

Table 2
Deliverables.

ID Number	Requirements	Title	Format	Due
3.9.1	3.1 3.1.8 3.2 3.3 3.4	Initial IPS -Gantt chart -Spreadsheet -Critical Path (Gantt) -Critical Path Network (PDM) -Key Events/Milestones	*.pdf *.xls *.pdf *.pdf *.doc	Based on contract type as listed in Table 3
3.9.2	3.1.4 3.1.8 3.2 3.3 3.4 3.5.1 3.5.2 3.6.2.1	Schedule of Record -Gantt chart -Spreadsheet -Critical Path (Gantt) -Critical Path Network (PDM) -Key Events/Milestones -Manpower Curves (Total) -Manpower Curves (Trades) -Incomplete GFI	*.pdf *.xls *.pdf *.pdf *.doc *.pdf *.pdf *.doc	A-0
3.9.3	3.1.8 3.2.1 3.3.3 3.4 3.5.3 3.5.4 3.6.2.1 3.7.1	Weekly IPS -Spreadsheet -Critical Path (Gantt) -Critical Path Network (PDM) -Key Events/Milestones -Manpower Curves (Total/Trades) -Manpower Utilization Report -Incomplete GFI -Weekly Meeting Report	*.xls *.pdf *.pdf *.doc *.pdf *.pdf *.doc *.doc	Weekly after A-0
3.9.4	3.1.6	25 Percent Conference Support -Gantt Chart (Most recent Revised Weekly IPS)	*.pdf	3 days prior to meeting
3.9.5	3.1.6 3.8.4.1 3.8.4.2 3.8.4.3	50 Percent Conference Support -Gantt Chart (Most recent Revised Weekly IPS) -Machinery Reinstallation Plan -Valve Listing -Incomplete PCD Listing	*.pdf *.pdf *.xls *.xls	3 days prior to meeting
3.9.6	3.1.6 3.8.5	75 Percent Conference Support -Gantt Chart (Most recent Revised Weekly IPS) -Underway test schedule	*.pdf *.doc	3 days prior to meeting

Table 3
Initial IPS Schedule Submission Requirements

Firm Fixed Price Type Contract	Cost Plus Type Contract
No Later Than (NLT) 15 days after award (Availabilities 64 - 90 days)	NLT A-30 Days(Surface Ships)
NLT 30 days after award (Availabilities greater than 90 days)	NLT A-60 Days(CVNs and Submarines)

4. NOTES:

4.1 Definitions.

4.1.1 Industrial Testing: Conducted by using stages of testing for the progressive validation of the proper installation and performance of equipment and systems. ***Test Stages are identified in 009-67 of 2.1.***

4.1.2 Integrated Production Schedule (IPS): A schedule used by the contractor as a means of planning, tracking, coordinating and de-conflicting work during the availability. It incorporates all work planned for accomplishment during the maintenance availability including; Alteration Installation Team (AIT), Government-Contracted Third Party Maintenance Providers, Ship's Force, Commercial Industrial Services (CIS), and Fleet Maintenance Activity (FMA) work.

4.1.3 Work Activity: A portion of an individual Work Item, which is a logical subdivision of the Work Item, representing a manageable unit of work which must be accomplished at a specific period of time in relation to other Activities of the Job Order.

4.1.4 Duration: The total number of work periods (not including holidays or other nonworking periods) required to complete a scheduled Work Activity.

4.1.5 Key Event: An event that, if slippage occurs, could impact or delay the overall schedule, or prevent timely delivery of the vessel. Key Events are identified by the contract, the SUPERVISOR, or the contractor.

4.1.6 Milestone: A significant event identified by the Maintenance Team. Milestones are used as a scheduling aid and establish significant points where progress must be evaluated and confirmed. Accumulated failure to achieve Milestones on schedule may result in missed Key Events. Milestones may be identified by either the contractor or the SUPERVISOR.

4.1.7 Critical Path: That sequence of Work Activities which forms the work and test chain of the longest duration, and directly affects the completion of the availability. Factors that influence when a Work Activity is on the Critical Path include: time duration required for the Work Activity, space limitations, manpower available, and the predecessor/successor relationships between Work Activities. Typically, the

Critical Path is determined by automated schedule analysis and will include any sequential set of Work Activities forming the longest chain of events extending throughout the schedule and which has the least Total Float.

4.1.8 Controlling Work Items: Those Work Items which include activities that are on the critical path of the IPS, which, by virtue of scope, material requirements, complexity, or other considerations, have the significant potential for impact on the scheduled project Key Events or completion of the availability.

4.1.9 Total Float: The total number of days that a path of Work Activities can be delayed without affecting the project finish date. A path of Work Activities is established by predecessor and successor relationships.

4.1.10 Logic Relationship: Defines an interdependence between Work Activities. It is established by assigning predecessor and successor relationships to Work Activities using the functionality provided by project scheduling software. An individual Work Activity will frequently have more than one predecessor or more than one successor.

4.1.11 Network: A graphic display showing the planned sequence and interdependent relationship of Work Activities, Milestones, or Key Events within the Job Order.

4.1.12 Resource: Labor and non-labor demands required to complete a Work Activity. These may include personnel (trade skills), material, special tools, facilities, space, and equipment.

4.1.13 Early Start: The earliest point in time that a Work Activity may start based on the IPS network logic and any other schedule constraints. Early start dates may change as the availability progresses.

4.1.14 Early Finish: The earliest point in time that a Work Activity may be completed based on the IPS network logic and any schedule constraints. Early finish dates may change as the availability progresses.

4.1.15 Late Start: The latest point in time that a Work Activity may begin without delaying the applicable Milestone or Key Event based on the IPS network logic.

4.1.16 Late Finish: The latest point in time that a Work Activity may be completed without delaying the applicable Milestone or Key Event based on the IPS network logic.

4.1.17 Integration: The incorporation of all work (including testing and availability work certification) for all organizations involved in an availability.

4.1.18 Precedence Diagram Method (PDM): Used in Critical Path Method Project Management for building a project schedule network diagram using lines and nodes to show the logical relationship between schedule activities.

4.1.19 Gantt Chart: A graphic display of schedule-related information. Typically, schedule Work Activities or work breakdown structure components are listed down the left side of the chart, dates are shown across the top, and Work Activity durations are shown as date-placed horizontal bars.

4.1.20 Negative Float: The amount of time by which the early start or finish dates of a Work Activity exceeds its late start or ending dates. The quantity of float then indicates the amount of time that must be recovered in order to achieve an imposed date.

4.1.21 Schedule of Record: The official IPS at the start of the availability (A-0 day) that includes refined sequencing and completeness as a result of completed subcontracting actions, incorporation of additional Government Furnished Information (GFI), or any contract modifications increasing the scope of work between contract/delivery Order award and availability start.

4.2 The SUPERVISOR will provide, or direct provision, of the AIT, Government-Contracted Third Party Maintenance Providers, S/F, CIS, and FMA availability data required for schedule integration in 3.1.1, 3.1.2.3, and progress/de-confliction in 3.6.

4.3 The IPS data element export required by 3.1.8 may be used to support the development of the Master Requirements List (MRL) and Event Readiness List (ERL) of 009-04 of 2.1 and/or locally invoked certification requirements.

4.4 When invoked, the following Standard Items interface with this Standard Item: 009-43, 009-67, and 009-81.

4.5 The following codes are provided as designators for Key Events within the IPS as directed in 3.1.7.

Code	Description / Meaning
AC	Availability Complete
C5ILO	***Command, Control, Communications, Computer, Combat Systems and Intelligence (C5I) Light-Off***
DT	Dock Trials
FC	Fast Cruise
UD	Undock/Flood Dock
PCD	Engineering Plant Production Completion Date (Propulsion/Aux)
ST	Sea Trials

4.6 The following codes are provided as designators for specific ship systems when applied to Work Activities in the IPS as directed in 3.1.7. More than one designator may be used for a Work Activity. This list is not all-inclusive.

Code	System
ACE	Aircraft Elevator
ACP	Air Conditioning Plant

AG	Arresting Gear
ANT	Antenna
AUX	Auxiliary Steam
BIL	Bilges
CAT	Catapults
CHT	Collecting, Holding and Transfer
CHW	Chilled Water
COM	Communications
CNDS	Condensate
CS	Combat Systems
CWA	Countermeasures Wash Down
DECK	Any Decking Work
DC	Damage Control
ENG	Engineering
MNFD	Main Feed
FDK	Flight Deck
FM	Fire Main
FO	Fuel Oil
HAB	Habitability
HDK	Hangar Deck
HPA	High Pressure Air
HULL	Hull
IC	Internal Communication
JP5	JP-5 Tanks/System
LAG	Lagging and Insulation
LC	Load Center
LO	Lube Oil
MAG	Magazine
MS	Main Steam
NSK	Non-Skid
PROP	Propulsion System, including Controllable Pitch Propeller
PW	Potable Water
SCAF	Scaffolding Required
SS	Service Steam
STRG	Steering System
STRL	Structural, General
SW	Sea Water
TIS	Temporary Industrial Systems
VEN	Vents/Ventilation
VPC	Vertical Package Conveyor
WH	Water Heaters
WEL	Weapons Elevator
WPNS	Weapons
WW	Waste Water

4.7 The following standard convention is used for identifying locations when applied to Work Activities in the IPS as directed in 3.1.7. The use of general terminology, such as “throughout ship”, as a means of documenting location shall be minimized.

- Space/Compartment Number (i.e. 03-130-2-L, 6-81-0-E, etc.)

- Flight and Hangar Deck Locations: deck-frame-P or S (e.g. 04-190-S or 1-190-P)
- Weather Decks: closest deck-frame-P or S (e.g. 03-140-P-WEA)
- Span of Frames: deck-frame span-P or S (e.g. for flight deck frames 55 to 100 starboard side use 04-55/100-S)
- Masts: Use mast name (e.g. Main Mast, etc.)

NAVSEA
STANDARD ITEM

FY-19

ITEM NO: 009-67
DATE: ***01 OCT 2017***
CATEGORY: I

1. SCOPE:

1.1 Title: Integrated Total Ship Testing; manage

2. REFERENCES:

2.1 Standard Items

2.2 S9AAO-AB-GOS-010, General Specifications for Overhaul of Surface Ships (GSO)

2.3 S9095-AD-TRQ-010/TSTP, Total Ship Test Program Manual

2.4 MIL-STD-2106 (SH), Development of Shipboard Industrial Test Procedures

2.5 Joint Fleet Maintenance Manual (JFMM)

3. REQUIREMENTS:

3.1 Develop an Integrated Total Ship Test Plan (ITSTP), using contracted work package and available GFI.

3.1.1 Prepare and manage a Comprehensive Test Plan (CTP) in accordance with Section 092c of 2.2; using 009-04 and 009-60 of 2.1, and 2.3 for guidance.

3.1.1.1 Define and document the responsibility, lines of authority, and interrelation of personnel who manage, assist, perform, or verify work.

3.1.1.2 Include provisions for completion of total ship testing through Stage 6 in accordance with section 092c of 2.2 and 2.3 prior to dock trials using data from 009-60 of 2.1 (See 4.1 for examples).

3.1.1.3 Submit one legible copy, in approved transferrable media, of the CTP to the SUPERVISOR no later than 15 days prior to availability start date.

3.1.2 Include a Test Schedule (TS). (See 4.3 and 4.4)

3.1.***3*** Include a list of special purpose test equipment and software, with required dates and responsible provider (See 4.***6***).

3.1.***3***.1 Provide the requirements for special purpose test equipment, weapon test shapes, dummy loads, and test weights, to accomplish total ship testing. Identify known and anticipated deficiencies in required type, quantity, calibration, or availability to support the production or test schedule.

3.1.***4*** Include organizational responsibility for equipment operation, start up, and accomplishment of testing, including manning requirements.

3.1.***5*** Include a list of SUPERVISOR, contractor, Alteration Installation Team (AIT), and Ship's Force key test team personnel, with test sign-off authority.

3.1.***6*** Include administrative procedures for submittal of Test Problem Reports (TPRs), Test Failure Reports (TFRs), and test status.

3.1.**7** Submit one legible copy, in approved transferrable media, of the ITSTP to the SUPERVISOR no later than the start of the availability.

3.2 Provide Test Procedures (TP) for all Stage 3 through 7 Tests as specified in the work item.

3.2.1 Reuse existing Government approved test procedures when available. Test and Evaluation Automated Management Information System (TEAMIS), the government’s Non-Nuclear Surface Ship Test procedure management program, shall be the primary source for approved Government test procedures per 2.3.

3.2.1.1 Modify existing test procedures to limit scope to match repair and/or update to match current equipment or revised specifications for the test requirements. All modified test procedures shall comply with 2.4.

3.2.2 Develop new test procedures when reusable product is not available for the required tests. All new test procedures shall comply with 2.4.

3.2.2.1 Cover sheet must designate ship or ship class and system or component, and provide completed review signatures.

3.2.3 Submit one legible copy, in approved transferrable media, of each test procedure to the SUPERVISOR for review and approval. Submission shall be no later than 14 days prior to start of the required test or as otherwise designated by the SUPERVISOR.

3.2.4 Submit one legible copy, in approved transferrable media, of each updated or changed test procedure to the SUPERVISOR at least 3 days prior to implementation.

3.2.5 Make pen-and-ink editorial changes to the test procedure when required after testing commences. Editorial changes are limited to those correcting typographical errors. All other changes are considered technical and require SUPERVISOR approval.

3.2.5.1 Submit one legible copy, in approved transferrable media, of any editorial change made to the test procedure to the SUPERVISOR within one day of making the change.

3.2.6 Submit one legible copy, in approved transferrable media, of a report to the SUPERVISOR identifying any technical changes required after testing has commenced and prior to proceeding with the affected procedural steps.

3.2.6.1 Make technical changes to the test procedure and proceed when approved by the SUPERVISOR.

3.2.7 Submit one legible copy, in approved transferrable media, of the completed test procedure no later than 1 day after test completion.

3.3 Manage the Total Ship Testing Task Group (TSTTG) to coordinate the test program in accordance with Section 092c of 2.2.

3.3.1 The group shall consist of representatives of the SUPERVISOR (acts as Chairman), Contractor, AIT Team(s) on scene, Ship's Force, and others as requested by the SUPERVISOR or LMA (See 4.8) and shall meet weekly unless otherwise directed by the SUPERVISOR.

3.3.2 Evaluate and document all problems impacting schedule and/or satisfying technical requirements.

3.3.3 Maintain ***agendas and minutes. As a minimum, agendas shall include tests completed since last meeting, tests not completed as scheduled with explanation and plan to resolve, issues impacting testing, and tests scheduled within the next 2 weeks***. Minutes shall include a list of attendees, action items with assignments, highlights of proceedings, and identified problems with potential impact.

3.3.4 Submit one legible copy, in approved transferrable media, of the minutes, and changes to the ITSTP no later than 2 business days after each meeting.

3.3.5 Distribute minutes and changes to the CTP and ITSTP to TSTTG members no later than 2 business days after each meeting.

3.4 Manage Total Ship Testing.

3.4.1 Accomplish the requirements of the ITSTP of 3.1.

3.4.2 Incorporate all updates to ITSTP and status of Total Ship Testing including growth and new work no later than 24 hours after each TSTTG meeting.

3.4.3 Coordinate testing in accordance with the ITSTP.

3.4.4 Coordinate stationing of test personnel in accordance with the ITSTP. Provide test procedures and test data sheets to test personnel.

3.4.5 Coordinate the performance of each test procedure and record test results.

4. NOTES:

4.1 Test stage examples, not all inclusive.

Stage 1 – Material Receipt Inspection and Shop Tests:
- Physical inspection of new material, equipment and systems, and associated documentation.
- Ensure receipt of equipment is in good physical condition.
- Formal test procedure not required typically.

Stage 2 – Shipboard Installation Inspection and Tests:
- Cable integrity verification and insulation resistance checks.
- Hydrostatic tests of piping systems.
- Coolant flushing.
- Pre-energizing tests.

Stage 3 – Equipment Tests:
- Equipment element level initial light off, diagnostic and functional tests.
- Hinged/retractable mast operational test.
- Shaft torsion meter performance test.

Stage 4 – Intra-System Tests:
- Propulsion seawater cooling system operational test.
- Auxiliary propulsion system operational test.
- Diesel generator parallel and reverse power load bank test.
- System local area network interface test.
- Navigation system alignment verification.

Stage 5 – Inter-System Tests:
- Search radar distribution & display interface test.
- SPS-73 external interface test.
- AN/SPQ-9B video and trigger verification.
- AN/SPN-41A stabilization verification.
- Integrated propulsion test.

Stage 6 – Special Tests:
- EMI Phase I test (dockside).
- Hull generated IMI test.
- Data Link operational demonstrations dockside.
- SSDS MK 2 MOD 4B Combat System Integration test (dockside).

Stage 7 - Trials Tests:
- Radar set operational test (at sea).
- EMI Phase I test (at sea).
- Landing system correlation verification test (at-sea).
- Propulsion plant performance tests.
- SSDS MK 2 MOD 4B detect to engage demonstration (at sea).

4.2 GFI required to develop the ITSTP may include: Portions of Integrated Test Package (ITP), FMA/FMR Work Schedule, Ships Force Work List (SFWL), IDIQ, Test Index, and known AIT test requirements unavailable to the contractor.

4.3 Coordination of preparations for Sea Trials, including the test schedule for all planned underway testing will be included with the requirements of 009-60 of 2.1.

4.4 The Test Schedule is composed of the export of Integrated Production Schedule (IPS) data elements, developed in accordance with 009-60 of 2.1, sorted to include only test work activities.

4.5 The ship's Commanding Officer will provide personnel for recording data during testing.

4.6 Special purpose test equipment and software are defined as having unique functions and whose use is controlled and managed by an outside activity.

4.7 This standard item interfaces with 009-01 and 009-04 of 2.1 for test and inspection records.

4.8 The Lead Maintenance Activity (LMA)is defined in 2.5. MSRA/ABR contractors tasked with availability schedule management under 009-60/009-111 of 2.1 are considered the LMA.

NAVSEA
STANDARD ITEM

FY-19

ITEM NO: 009-69
DATE: ***01 OCT 2017***
CATEGORY: I

1. SCOPE:

1.1 Title: Heavy Weather/Mooring Plan; provide

2. REFERENCES:

2.1 845-6686999 Rev E, US Navy Vessel Water Depth, Mooring and Hull/Appendage Clearance Requirements for Transit and Berthing

2.2 DDS 582-1, Design Data Sheet, Calculations for Mooring Systems

2.3 S9086-TW-STM-010/CH-582, Mooring and Towing

2.4 UFC 4-159-03, Mooring Design

3. REQUIREMENTS:

3.1 Maintain a written Heavy Weather Plan that shall be implemented during gales, storms, hurricanes, and destructive weather, including mooring calculations in accordance with 2.1 and 2.2, using 2.3 and 2.4 for guidance. The documented Heavy Weather Plan shall be submitted to the SUPERVISOR for a document review and acceptance. The contractor shall have an acceptable documented Heavy Weather Plan, in accordance with this Standard Item, in place no later than 15 days prior to availability start date. The Heavy Weather Plan shall be subject to periodic conformity audits by the SUPERVISOR throughout the contract.

3.1.1 Submit updated or changed plans to the SUPERVISOR as they occur.

3.2 Ensure that the plan designates responsibility and implements procedures for prevention of damage to naval ships, craft, barges, and lighters. This includes periods when ships, craft, barges, and lighters are physically located in private contractors' plants; during times when work on ships, craft, barges, and lighters at naval facilities requires openings to hulls or decks; and when contractor owned/furnished floating equipment is tied alongside ships, craft, barges, and lighters.

3.2.1 The plan shall contain specific responsibilities and detailed actions to be taken during the weather conditions listed below.

3.2.2 Conditions where there is substantial advance warning for approaching adverse weather are addressed by the following 4 categories:

3.2.2.1 Gale/Storm/Hurricane Condition IV: Trend indicates a possible threat of destructive winds of force indicated within 72 hours.

3.2.2.2 Gale/Storm/Hurricane Condition III: Destructive winds of force indicated are possible within 48 hours.

3.2.2.3 Gale/Storm/Hurricane Condition II: Destructive winds of force indicated are anticipated within 24 hours.

3.2.2.4 Gale/Storm/Hurricane Condition I: Destructive winds of force indicated are anticipated within 12 hours or less.

3.2.3 Conditions where there is little or no advance warning for approaching adverse weather are addressed by the following 2 categories:

3.2.3.1 Thunderstorm/Tornado Condition II: Destructive winds accompanying the phenomenon indicated are reported or expected in the general area within 6 hours. Lightning and thunder are also anticipated.

3.2.3.2 Thunderstorm/Tornado Condition I: Destructive winds accompanying the phenomenon are imminent. Lightning and thunder are also anticipated.

3.3 Ensure that the plan contains, as a minimum, the following information as dictated by conditions listed in 3.2:

3.3.1 Steps to be taken to remove or secure staging items or equipment on decks of ships, craft, barges, and lighters, pier or dry dock, including cranes that could become wind-borne.

3.3.2 Protection of ships, craft, barges, and lighters from damage from other floating equipment, such as barges, doughnuts, work floats, and other ships, craft, barges, and lighters.

3.3.3 Provisions for protection of government equipment and material in custody of the contractor from damage by pierside flooding.

3.3.4 Provisions for removal of temporary hoses, welding lines, air lines, oxygen/acetylene lines, etc., extending through watertight closures.

3.3.5 Provisions for security, emergency fire and flooding protection, emergency shipboard dewatering and fire main capability, emergency shipboard electrical generation, and emergency shipboard communications.

3.3.5.1 Specific requirements for emergency shipboard fire main capability are shown on Attachment A.

3.3.5.2 The minimum requirements for emergency shipboard electrical generation equipment are shown on Attachment B.

3.3.5.3 One portable dewatering pump and associated equipment shall be available adjacent to each damage control equipment box such that 200 gal/min at a discharge head of 50 feet of dewatering capacity can be used at the scene of a casualty within 3 minutes of receiving an alarm. Additional dewatering capacity to provide 1,000 gal/min at a discharge head of 50 feet at the scene shall be available within 15 minutes. During the waterborne overhaul period, no damage control system associated with flooding prevention and control or any portion thereof shall be removed or made inoperable without prior notification of the ***SUPERVISOR*** and to the casualty-control station and until a back-up system has been established.

3.3.6 Provisions for access to the ship for personnel and emergency equipment during and immediately following the storm consistent with prudent safety precautions.

3.3.7 Assurance that all hull/deck openings are made watertight.

3.3.8 Steps to be taken to secure floating piers during high winds/high tides.

3.3.9 Provisions for messing contractor, Ship's Force, and SUPERVISOR duty personnel for 3 days (minimum). The maximum number of Navy personnel will be 15.

3.3.10 The name and telephone number (business and residential) of the private contractor's single point of contact. This person shall have the authority to commit the contractor to take necessary actions as requested by the SUPERVISOR.

3.3.11 Provisions for operation and manning of a Hurricane Control Center, with capabilities of telephone and portable radio communications with the ship and SUPERVISOR duty personnel.

3.4 Ensure that the plan contains the following mooring related information:

3.4.1 Specify steps to be taken to secure ships, craft, barges, and lighters to contractor's pier, dry dock, graving dock, marine railway, or contractor's other facility. Information must define specific precautions to be taken and supporting calculations, to include limits of docking blocks and dock stability for both normal and heavy weather conditions. Calculations for heavy weather configurations shall include wind and tidal considerations.

3.4.1.1 Provide the heavy weather state at which the ship must be undocked.

3.4.2 Submit mooring calculations for the worst anticipated loading condition during the availability. For ships with a self-compensating fuel

system, the loading condition shall show the self-compensation fuel system full of water, fuel, or some combination of fuel and water, projecting the worse possible condition as shown in calculations for maintaining ship's stability. Determine the combined loading due to wind load from each direction and both peak flood and ebb current loads at low and high tides. Calculations may require re-submittal if significant changes occur from the original estimate on which the calculations were based.

3.4.3 For ships in dry dock, provide limits and supporting calculations for listed conditions. Analyze both the "normal" dock configuration and the "heavy weather" configuration.

3.4.3.1 Maximum safe wind speed and surge for side block strength and stability. Include maximum loading of the side blocks on ship.

3.4.3.2 Maximum safe wind speed and surge for dry dock strength and stability.

3.4.3.3 Surge required to float ship.

3.4.3.4 Table or graph showing safe combinations of wind speed and surge.

3.4.4 For ships pierside, provide limits and supporting calculations for ship loading conditions specified in 3.4.2. Analyze the "heavy weather" mooring configuration that would be used during the conditions specified in 3.2. Analyze worst-case wind directions including frontal, broadside, and quartering.

3.4.4.1 Maximum safe wind speed for mooring strength. Include strength of pier, pier fittings, mooring lines, and shipboard fittings. Maximum applied load on any mooring line shall be the breaking strength of the mooring line divided by 2.5 (factor of safety of 2.5).

3.4.4.2 Maximum safe surge for mooring.

3.4.4.3 Maximum safe elongation of mooring lines. Include the following information:

Size and type of mooring line;
Percent elongation of mooring line at failure;
Tattletale-free length and length between attachments.

3.4.4.4 Sketch, showing size, type, and location (vertical and horizontal angles) of all securing devices including fenders, bumpers, and camels.

3.4.5 Include the following statement, providing the necessary data:
USS _____ can be safely moored to withstand a maximum of ___ mph winds with a __ knot current and a __ foot storm surge.

4. NOTES:

4.1 The SUPERVISOR will set Conditions of Readiness consistent with the forecasts and advisories of the local Weather Service Office of National Oceanic and Atmospheric Administration (NOAA).

4.2 NOAA defines the 5 categories of hurricanes as follows:

CATEGORY	WIND SPEED		STORM SURGE
1	74 - 95 MPH	OR	4 - 5 FT ABOVE NORMAL
2	96 - 110 MPH	OR	6 - 8 FT ABOVE NORMAL
3	111 - 129 MPH	OR	9 - 12 FT ABOVE NORMAL
4	130 - 156 MPH	OR	13 - 18 FT ABOVE NORMAL
5	157 MPH OR HIGHER	OR	GREATER THAN 18 FT ABOVE NORMAL

4.3 Attachment C contains regional heavy weather conditions based on historical data and is provided as information only; the historical data is not intended to place limitations/restrictions on other values appropriate and/or previously authorized by a Naval Supervising Activity for their cognizant contractor(s) sites.

4.4 The Heavy Weather Plan submitted in 3.1 requires a one-time submittal/acceptance unless this NAVSEA Standard Item and/or references change or contractor's status changes.

ATTACHMENT A
FIRE PROTECTION WATER SUPPLY REQUIREMENTS

SHIP TYPE		FLOW, GPM *
AD	Destroyer Tender	1,500
ADG	Degaussing Ship	500
AF	Store Ship	1,500
AG	Miscellaneous Auxiliary Ship	1,500
AGEH	Hydrofoil Research Ship	500
AGF	Miscellaneous Flagship	2,000
AGFF	Frigate Research Ship	1,000
AGM	Missile Range Instrumentation Ship	1,500
AGMR	Major Communications Relay Ship	1,500
AGOR	Oceanographic Research Ship	500
AGP	Gunboat Support Ship	2,000
AGS	Surveying Ship	1,000
AH	Hospital Ship	1,000
AK	Cargo Ship	1,500
AKS	Store Issue Ship	1,500
AKR	Vehicle Cargo Ship	1,500
ANL	Net Laying Ship	500
AO	Oiler	1,500
AOE	Fast Combat Support Ship	1,500
AOG	Gasoline Tanker	1,000
AP	Transport Ship	1,000
APB	Self-propelled Barracks Ship	500
AR	Repair Ship	1,500
ARB	Battle Damage Repair Ship	500
ARC	Cable Repair and Laying Ship	1,000
ARG	Internal Combustion Engine Repair Ship	1,500
ARL	Landing Craft Repair Ship	1,000
ARS	Salvage Ship	500
ARSD	Salvage Lifting Ship	500
ARST	Salvage Tender	1,000
ARVA	Aircraft Repair Ship	1,000
ARVE	Aircraft Engine Ship	1,000
ARVH	Helicopter Tender	1,500
AS	Submarine Tender	1,500
ASR	Submarine Rescue Ship	600
ATA	Ocean Tug	500
ATF	Ocean Tug Fleet	500
ATS	Salvage and Rescue Tug	500
AVM	Guided Missile Ship	1,500
CV, CVN	Aircraft Carrier	3,000
CG	Guided Missile Cruiser	1,000

ATTACHMENT A
FIRE PROTECTION WATER SUPPLY REQUIREMENTS (Con't)

SHIP TYPE		FLOW (GPM) *	
DDG	Guided Missile Destroyer	1,000	
FFG	Guided Missile Frigate	1,000	
IX	Unclassified Miscellaneous	1,500	
LCC	Amphibious Command Ship	1,000	
LCS	Littoral Combat Ship	1,000	
LHA	Amphibious Assault Ship	2,500	**
LHD	Amphibious Assault Ship	2,500	
LKA	Amphibious Cargo Ship	1,500	
LPD	Amphibious Transport Dock	1,500	***
LSD	Landing Ship Dock	2,000	***
YRB	Repair and Berthing Barge	500	
YRBM	Repair, Berthing and Messing Barge	500	
YRBL	Repair, Berthing and Messing Barge (large)	500	
LST	Landing Ship Tank	1,500	***
MCM	Mine Counter Measures Ship	750	
PC	Patrol Coastal	500	
PCH	Hydrofoil Patrol Craft	500	
PG	Patrol Combatants	500	
PGH	Hydrofoil Gunboat	500	

* All flows are from the pier or dry dock outlet and are available at adequate residual pressures from those systems in compliance with present design criteria for dry docks and piers as reflected in NAVFAC design manuals (UFC 4-213-10, UFC 4-213-12, UFC 4-150-01, UFC 4-150-02, and UFC 4-150-06).

** Includes supply to operate 2 hangar sprinkler groups and 2, 2-1/2-inch hoselines.

*** Includes supply to operate one sprinkler group and 2, 2-1/2-inch hoses.

ATTACHMENT B

HEAVY WEATHER
EMERGENCY POWER REQUIREMENT

		SHIP TYPE (NOTE 3)	MINIMUM POWER REQUIREMENT (KILOWATTS EXCEPT AS NOTED)
AD	15, 18, 19	Destroyer Tender	358
AD	37, 38		529
AD	41, 42, 43, 44		809
AE	26CL	Ammunition Ship	264
AGDS	2	Deep Submergence Support Ship	186
AGF	3, 11	Miscellaneous Flagship	498
AGM		Missile Range Instrumentation Ship	
AGOR	11, 23	Oceanographic Research Ship	
AGOS	1	Ocean Surveillance Ship	109
AGOS	19	Ocean Surveillance Ship	246
AGS		Survey Ship	221
AH		Hospital Ship	628
AK		Cargo Ship	
AKR		Vehicle Cargo Ship	
AO(J)	51, 98, 99	Oiler	186
AO	105, 143, 187	Oiler	
AO	177CL		373
AO	177 (JUMBO)	Oiler	451
AOE	1CL	Fast Combat Support Ship	436
AOE	6	Fast Combat Support Ship	1,090
AOT	168	Transport Oiler	
AP	122	Transport Ship	
APL		Berthing and Messing Barge	
AR	5, 6, 7, 8	Repair Ship	373
ARC		Cable Repair and Laying Ship	264
ARD		Auxiliary Repair Dock	
ARDM		Medium Auxiliary Repair Dock	

ATTACHMENT B
(CON'T)

HEAVY WEATHER
EMERGENCY POWER REQUIREMENT

		SHIP TYPE (NOTE 3)	MINIMUM POWER REQUIREMENT (KILOWATTS EXCEPT AS NOTED)
ARS	8, 38CL	Salvage Ship	15
ARS	50CL	Salvage Ship	100
AS	11	Submarine Tender	327
AS	18		436
AS	19		559
AS	31, 32		622
AS	33, 34		529
AS	36, 37		467
AS	39, 40, 41		653
ASR	9, 13, 14, 15	Submarine Rescue	16
ASR	21CL		124
ATF	91, 113	Ocean Tug Fleet	16
ATS	1CL	Salvage and Rescue Tug	93
BB		Battleship	436
CG	16-24	Guided Missile Cruiser	467
CG	26CL		358
CG	47CL		638
CG	52CL		623
CGN	9	Guided Missile Cruiser (Nuclear)	872
CGN	25		872
CGN	35		872
CGN	36CL, 38CL		653
CV	60-62, 66	Aircraft Carrier	1,152
CV	63, 64, 67		1,339
CVN	65	Aircraft Carrier (Nuclear)	1,837
CVN	68-70		2,491
CVN	71		
CVN	72		

ATTACHMENT B
(CON'T)

HEAVY WEATHER
EMERGENCY POWER REQUIREMENT

		SHIP TYPE (NOTE 3)	MINIMUM POWER REQUIREMENT (KILOWATTS EXCEPT AS NOTED)
DD	963-992, 997	Destroyer	498
DDG	2CL	Guided Missile Destroyer	280
DDG	37CL		358
DDG	51CL		1,121
DDG	993CL		662
FFT	1052CL	Frigate (Reserve Training)	202
FFG	7CL	Guided Missile Frigate	436
LCC	19, 20	Amphibious Command Ship	436
LCU*		Landing Craft	
LHA	1CL	Amphibious Assault Ship	840
LHD	1CL		
LKA	113CL	Attack Cargo Ship	218
LPD	1, 2, 4CL, 7CL, 14CL	Amphibious Transport	218
LPD	17CL		1,050
LPH	2, 3, 7, 9-12	Amphibious Assault Ship	280
LSD	36CL	Landing Ship Dock	295
LSD	41CL		334
LST	1179CL	Landing Ship Tank	280
MCM	1	Mine Countermeasures	80
PC		Patrol Coastal	50
PHM	1-6	Guided Missile Patrol Combatants	35 (NOTE 2)
YD		Floating Crane	

* Type includes ASDV, YFU, YFB

ATTACHMENT B
(CON'T)

HEAVY WEATHER
EMERGENCY POWER REQUIREMENT

	SHIP TYPE (NOTE 3)	MINIMUM POWER REQUIREMENT (KILOWATTS EXCEPT AS NOTED)
YRB	Repair & Berthing Barge	
YRBM	Repair, Berthing and Messing Barge	
YTB	Harbor Tug (Large)	
	Yard Craft (Misc.)	

GENERAL NOTES: The power requirement listed is the minimum considered necessary for emergency power if the main source of shore power is lost during heavy weather situations. Each contractor's heavy weather plan shall specify the individual power capacity for each ship connected to the ship's shore power distribution system. Electrical information referenced from MIL-HDBK-1025/2.

NOTES:

1 - CAPACITY IS GIVEN IN KW. UNLESS OTHERWISE INDICATED. INPUT VOLTAGE IS 450 VOLTS, 3 PHASE, 3 WIRE, 60 HERTZ, UNGROUNDED. POWER FACTOR IS APPROXIMATELY 0.8.

2 - REQUIREMENT IS TO SUPPORT AN EXISTING PORTABLE MOTOR GENERATOR SET WHICH CONVERTS THE 60 HERTZ POWER TO 400 HERTZ POWER. THE MOTOR GENERATOR SET NORMALLY ACCOMPANIES THE SHIP SUPPORT FACILITIES.

3 - POWER REQUIREMENTS FOR ANY SHIP TYPE NOT LISTED SHALL BE DETERMINED BY COMPARISON WITH A SHIP(S) OF SIMILAR DESIGN LOAD AND APPROPRIATE SHIP'S INFORMATION BOOK.

ATTACHMENT C

HEAVY WEATHER CONDITIONS

SITE	WIND (Knots)	CURRENT (Knots)	SURGE (Feet)
Bath, ME	83	2.5	8.7
Portsmouth NSY, NH	84	3.8	12.8
SUBBASE New London, CT	87	0.2	10.8
Norfolk NSY, VA	82	0.4	8.9
NAVSTA Norfolk, VA	87	0.8	8.4
NAB Little Creek, VA	91	0.3	7.1
Newport News Ship Building, VA	87	1.3	8.4
SUBBASE Kings Bay, GA	96	0.3	9.1
NAVSTA Mayport, FL	96	3.1	7.5
NAVSTA Pascagoula, MS	104	Negligible	6.1
NAVSTA Ingleside, TX	109	2	16.2
NAVSTA Everett, WA	74	0.6	14.4
SUBBASE Bangor, WA	64	1.1	14.7
Puget Sound NSY, WA	64	0.5	15.4
NAS North Island, CA	52	0.6	8.4
Pearl Harbor NSY, HI	87	Negligible	3.5
Guam	122	2	4.7
La Maddelana, Italy	89	Negligible	Not Available

NAVSEA
STANDARD ITEM

FY-19

ITEM NO: 009-79
DATE: 18 NOV 2016
CATEGORY: I

1. SCOPE:

1.1 Title: Government Owned Material (GOM) Status; report

2. REFERENCES:

2.1 None.

3. REQUIREMENTS:

3.1 Provide an accurate accounting of Government Owned Material (GOM), traceable to the Lowest Replaceable Unit (LRU), in the custody of the contractor. For this tasking, GOM is defined as government furnished material (GFM) and contractor acquired material (CAM) which the Navy has either paid for or provided directly to the contractor.

3.2 Prepare and submit one legible copy of GOM Status Reports in approved transferrable media (similar or equal to Excel).

3.2.1 This report shall specify all the current inventory of GOM baseline, residual, and excess assets including COSAL material, installation and checkout (INCO) spares, GFM, and CAM. Specific content requirements shall be as specified in 3.2.2 and shall include the following:

3.2.1.1 Allowance Parts List/Allowance Equipage List (APL/AEL). An alphanumeric code, minimum of 8 characters and maximum of 11 characters, that identifies the unique characteristics of an equipment or system provisioned by the Naval Inventory Control Point, or the non-installed material collectively known as equipage.

3.2.1.2 Document GFM Requisition/CFM purchase order number.

3.2.1.3 National Item Identification Number. Represents the last 9 digits of the 13-digit Naval Stock Number and identifies a specific item catalogued in the Federal Supply System.

3.2.1.4 Part Number. A manufacturer’s part numbers, drawing numbers, and model, type, or source controlling numbers used to identify an item of production or supply.

3.2.1.5 Commercial and Government Entity (CAGE). A 5-digit number assigned to an individual supplier, manufacturer, corporation, or government activity for identification purposes.

3.2.1.6 Unit of Issue. A 2-character abbreviation code used to identify the types of units under which material is issued. For example, shoes would be issued as a pair (PR), while hammers would be issued one at a time or each (EA).

3.2.1.7 Allowance/Required Quantity. The total number of a given item of replacement allowed onboard.

3.2.1.8 Quantity on Order. The number of a given item for which requisitions are in process.

3.2.1.9 Quantity Received. The number of a given item acquired as a result of a requisition.

3.2.1.10 Quantity on Hand. The number of a given replaceable item currently in the storeroom/storage location.

3.2.1.11 Unit Price. The cost of the unit of issue (i.e., gross, pair, each, quart, gallon, ton, ounce, etc.).

3.2.1.12 Extended Price. The cost calculated by multiplying the unit price by the quantity of items.

3.2.1.13 Material Accessibility Code (MAC). A 2-character alphabetic code that defines the material's intended use and disposition. Generally speaking, excess assets are available as free issue redistributions while baseline and residual assets are either non-available for redistribution or are negotiable at the SUPERVISOR's discretion. A single item may have multiple MACs assigned to it; some of its quantity on hand could be in each category. Valid MACs include IC (Inaccessible and contractually required), ID (Inaccessible and Deferred), and AR (Accessible and Residual).

3.2.1.14 Unit Identification Code. A 5-digit accounting number that identifies a ship, shore activity, operational unit, agency, contractor or other organized entity that may be involved in acquiring and/or managing material.

3.2.1.15 Type Number Code. A one-digit alphabetic code that identifies the data in position 12-28 as either a document number [R] or a contract number (P).

3.2.1.16 Condition Code. A one-digit alphabetic code that identifies the condition of the material, whether it is ready for issue or in need of some level of repair.

3.2.1.17 Cognizance Code. A 2-position code. The first position identifies the stores account to which the item belongs and the second position identifies the combined technical and inventory manager having jurisdiction over the item.

3.2.1.18 Federal Supply Classification. A 4-position code assigned to designate various groups of common use, commercial type items.

3.2.1.19 COAR/Material Group. A 6-position code locally assigned by the SUPERVISOR to indicate the modernization program under which the work on the ship is being performed or the outfitting material group material is being purchased to support.

3.2.1.20 Item Name. A 48-position nomenclature assigned to an item to describe the item for allowance purposes.

3.2.1.21 Technical Characteristics. A 200-character field used to describe the technical characteristics of an item.

3.2.2 The GOM Report Format (character positions, data element numbers, and field lengths) shall use the following table as an illustration of the data elements with their respective character positions and field lengths:

POSITION	DEN PICTURE	REMARKS	DATA DESCRIPTION	
1-11	D008G	APL/AEL	X (11)	
12-28	K002/P699	Document/Contract Number	X (17)	
29-37	D046D	NIIN	X (9)	N/R if no NSN assigned
38-67	D001W	Part Number	X (30)	N/R if NSN assigned
68-72	C035	CAGE	X (5)	N/R if NSN assigned
73-74	C005	Unit of Issue	X (2)	
75-79	E372	Allowance Quantity	9 (5)	
80-84	F977C	Quantity on Order	9 (5)	
85-89	F977D	Quantity Received	9 (5)	
90-94	A012	Quantity on Hand	9 (5)	
95-105	B053	Unit Price	9 (11)	
106-116	G101A	Extended Price	9 (11)	
117-118		Material Access Code (AF)	X(2)	
119-120		Material Access Code (AR)	X(2)	
121-122		Material Access Code (IC)	X(2)	
123-124		Material Access Code (ID)	X(2)	
125-129	A002	Unit Identification Code	X (5)	
130	T088	Type Number Code	X	
131	SD041	Condition Code	X	
132-133	C003	Cog	X(2)	
134-137	C042	FSC	X(4)	

POSITION	DEN PICTURE	REMARKS	DATA DESCRIPTION	
138-143		COAR	X(6)	
144-191	C004C	Item Name	X(48)	
192-392	T059B	Technical Characteristics	X(200)	N/R if NSN assigned

N/R = Not Required

3.3 Submit the GOM Status Report to the SUPERVISOR 4 days prior to the 50 percent conference and 5 days after the end of the availability.

4. NOTES:

4.1 The GOM Status Report will be invoked in the solicitation for multi-ship/multi-year availabilities.

NAVSEA
STANDARD ITEM

FY-19

ITEM NO: 009-80
DATE: 18 NOV 2016
CATEGORY: I

1. SCOPE:

1.1 Title: Ship Facilities; maintain

2. REFERENCES:

2.1 None.

3. REQUIREMENTS:

3.1 Accomplish the following requirements to keep the ship habitable and maintain the ship's facilities operational at times when spaces are inhabited by the crew.

3.1.1 Maintain operational sanitary services.

3.1.2 Identify span of time each CHT zone will be taken out of service.

3.1.3 Install and maintain temporary, primary, and back-up CHT pumps during such time that ship's CHT system is inoperative.

3.1.4 Ensure that the ship's power, steam, fire main, seawater service system, flushing system, heating system, CHT system, potable water, air conditioning, and ventilation is maintained operational.

3.1.5 Install temporary cables, jumpers, pumps, spool pieces, valves, hoses, and ducts when required to maintain systems operational.

3.2 Coordinate disruption of the facilities listed in 3.1 and systems listed in 3.1.4 with the ship via the SUPERVISOR.

3.3 Submit one legible copy, in approved transferrable media, of a detailed schedule showing when each facility/system will be disrupted to accomplish 3.1.5 and include the following:

3.3.1 Original schedule is due 5 days prior to availability start date.

3.3.2 Submit updated schedules weekly throughout the entire availability.

3.3.3 Include each compartment disrupted and specify the system(s) affected, with the scope of the disruption.

3.4 Remove the temporary installations and restore the systems to operational conditions when directed by the SUPERVISOR.

4. NOTES:

4.1 The contractor is only required to maintain those systems operational which he disturbs or disrupts in the performance of work in the Job Order, and only to the extent possible, using temporary methods consistent with 3.1.5.

NAVSEA
STANDARD ITEM

FY-19

ITEM NO: 009-82
DATE: 18 NOV 2016
CATEGORY: I

1. SCOPE:

1.1 Title: Installation of Equal Component Vice Specified Component; report

2. REFERENCES:

2.1 None.

3. REQUIREMENTS:

3.1 Submit one legible copy, in hard copy or approved transferrable media, of a report listing the following data to the SUPERVISOR in each instance when the Work Item allows, and the contractor chooses, to install "an equal component" vice a "specified component" listed in the Work Item. Provide data to compare the equal component to that specified including the following:

3.1.1 Physical dimensions of each

3.1.2 Bolting pattern required to install the component

3.1.3 Power requirements

3.1.4 Size, location, and type of miscellaneous service connections

3.1.5 Modifications required for installation

3.1.6 Comparison of the characteristics, i.e., gallons per minute, cubic feet per minute, and temperature ranges

3.1.7 Submission of the reports shall be 20 days after award of CNO availabilities and 2 days after award for other availabilities.

4. NOTES:

4.1 None.

NAVSEA
STANDARD ITEM

FY-19

ITEM NO: 009-83
DATE: 18 NOV 2016
CATEGORY: II

1. SCOPE:

1.1 Title: Wire Rope Assembly; Fabricate

2. REFERENCES:

2.1 S9086-UU-STM-010/CH-613, Wire and Fiber Rope and Rigging

3. REQUIREMENTS:

3.1 Comply with the following specifications when procuring wire rope fittings.

3.1.1 SOCKETS - RR-S-550

3.1.2 FIEGE-TYPE - MIL-S-21433

3.1.3 SWAGE SLEEVES - Commercial, supplied by the same manufacturer as the swaging machine

3.1.4 THIMBLES - FF-T-276 Type 3 only

3.1.5 SHACKLES - RR-C-271

3.1.6 BLOCKS - MIL-B-24141

3.2 Comply with the following specification when procuring wire rope.

3.2.1 WIRE ROPE AND STRAND – RR-W-410

3.3 Fabricate wire rope assemblies from the materials specified in 3.1 in accordance with the assembly and testing requirements of 2.1.

3.4 Submit one legible copy, in approved transferrable media, to the SUPERVISOR of certification from each manufacturer that states that the wire rope and all components listed in 3.1.1 through 3.1.6 comply with the requirements and specifications listed in 3.1 and 3.2.

3.5 Verify each fitting is legibly marked with manufacturer's name or trademark and size.

3.5.1 Shackles and blocks shall also be marked with safe working load.

3.5.2 Thimbles are not required to be marked.

3.6 In addition to the certifications of 3.4, submit one legible copy, in approved transferrable media, of testing results in accordance with 2.1. Provide certification documentation of qualified assembly personnel in accordance with 2.1 if required.

4. NOTES:

4.1 None.

NAVSEA
STANDARD ITEM

FY-19

ITEM NO: 009-85
DATE: 19 JUL 2007
CATEGORY: II

1. SCOPE:

1.1 Title: Government Sponsored Planning Yard/Configuration Data Manager (CDM) On-Site Representative Facility; provide

2. REFERENCES:

2.1 None.

3. REQUIREMENTS:

3.1 Provide a separate, lockable, and secure office space for use by the Government Sponsored Planning Yard/CDM On-Site Representative furnished with 2 desks with chairs, lights, heat, air conditioning, electrical outlets, sanitary facilities, filing cabinets, telephone service, janitorial service, and 2, 15-pound fire extinguishers and 24-hour service for the entire contract period.

3.1.1 The facility shall have a minimum of 240 square feet of floor space.

3.1.2 The facility shall be located within one-quarter mile of the ship.

3.1.2.1 Provide a parking area adjacent to the facility. The area shall be lighted and accommodate 2 automobiles simultaneously.

3.1.3 Lighting shall provide 28 foot candles of illumination measured at the desktop level.

3.1.4 Heating and air conditioning shall be capable of maintaining the temperature between 65 and 78 degrees Fahrenheit.

3.1.5 Provide 2 double-pedestal desks 30-inches wide by 60-inches long.

3.1.5.1 Provide one telephone desk set and one 115-volt, shock resistant, double electrical receptacle for each desk. Each receptacle shall be a convenient height and located adjacent to each desk.

3.1.5.2 Provide one swivel chair and one straight-back chair for each desk.

3.1.6 Provide telephone communications with separate circuits for each desk set, between the facility, shipyard, ship, and the municipal telephone system. One telephone line shall be capable of digital transmission.

3.1.6.1 Telephone systems designated long distance shall be installed in such a manner that the only way long distance calls can be made will be with a long distance calling card (credit card) that shall be obtained by the On-Site Representative prior to availability start date.

3.1.7 Provide 4-drawer filing cabinets with lock and keys.

3.1.8 Provide sanitary facilities equipped with drains, hot and cold potable water, and the following:

3.1.8.1 Hot water shall be maintained at 120 to 140 degrees Fahrenheit.

3.1.8.2 One lavatory

3.1.8.3 One water closet

3.1.8.4 One soap dispenser

3.1.8.5 One towel dispenser

3.1.9 Facilities shall be provided 2 days prior to contract start date through 2 days after the contract completion date unless otherwise specified.

3.2 Provide janitorial services to include sweeping, mopping, buffing, and trash pickup on a daily basis.

3.3 The facility shall be in accordance with local building codes, sanitary and current fire regulations. The facility shall include smoke alarms, 2, 15-pound fire extinguishers, and sprinkler systems.

3.4 Furnishings and equipment in this item shall be maintained in a fully operable condition by the contractor.

3.5 The facility shall be delivered to the Government clean, sanitary, damage free, and vermin free.

4. NOTES:

4.1 The On-Site Representative will retain the keys during the entire contract period.

4.2 The SUPERVISOR will identify the Government Sponsored Planning Yard/CDM On-Site Representatives upon request of the contractor.

4.3 The Government Sponsored Planning Yard/CDM On-Site Representatives shall obtain the telephone credit card specified in 3.1.6.1 from their command.

NAVSEA
STANDARD ITEM

FY-19

ITEM NO: 009-90
DATE: ***01 OCT 2017***
CATEGORY: II

1. SCOPE:

1.1 Title: Technical Representative; provide

2. REFERENCES:

2.1 None.

3. REQUIREMENTS:

3.1 Provide the services of a qualified on-site Technical Representative to provide assistance in the process or processes, including NAVSEA pilot coating system application, and repair and testing of the equipment specified in the invoking Work Item. The Technical Representative shall meet the following minimum qualification requirements:

3.1.1 Have technical knowledge of the specified equipment or process and have a documented history of successful performance or repairs on similar equipment or processes.

3.1.2 Have demonstrated competency in analyzing repair requirements and process performance and making recommendations based on process or disassembly inspection results.

3.1.3 Have current/active documented and verified access to Original Equipment Manufacturer (OEM) proprietary plans, specifications, procedures, material, and parts.

3.1.4 Provide certification from the OEM or the SUPERVISOR that the individual is an authorized service provider.

3.1.5 Submit one legible copy, in approved transferrable media, of the name and qualifications of the Technical Representative to the SUPERVISOR for approval 15 days prior to commencement of work. Qualification documentation shall include information supporting the requirements of 3.1.1 through 3.1.4.

3.1.5.1 Obtain written approval from the SUPERVISOR prior to substituting the Technical Representative.

3.2 The Technical Representative shall review, sign, and date all required reports, for technical adequacy prior to submittal to the SUPERVISOR for acceptance. ***Associated Process Control Procedures shall be reviewed, signed, and dated by the Technical Representative prior to the start of work.***

3.3 The Technical Representative does not have the authority to direct modifications to the equipment, processes, or items specified in the invoking Work Item or deviate from the Work Item without signed authorization from the SUPERVISOR.

3.3.1 The Technical Representative has the responsibility to notify the SUPERVISOR and recommend interruption of the execution of any specific Work Item if they recognize that repair procedures (e.g., PCP, etc.) are ineffective, the Executing Activity is not following the repair procedures, or not using good craftsmanship practices.

3.4 Minimum requirements for the services of the Technical Representative are as follows:

3.4.1 Witness pre-repair operational tests, adjustments, and inspections to determine equipment condition, when required by the Work Item.

3.4.2 Inspect equipment and component parts during disassembly, to include process material and process performance.

3.4.3 Verify process documents where as-found reports are required, to include clearances and conditions, and submit as-found report. Include in as-found report the information required by 3.4.3.1 through 3.4.3.4.

3.4.3.1 Provide dimensional measurements and comparisons to minimum/maximum design tolerances for equipment.

3.4.3.2 Provide sketches of suspect and defective areas with notations to describe defects.

3.4.3.3 Provide list of recommended repair parts or material in addition to those specified in the invoking Work Item.

3.4.3.4 Provide recommendations for future process improvements.

3.4.4 Inspect new and repaired areas and component parts of the equipment prior to re-assembly to ensure compliance with Navy technical manual requirements and Standard Items.

3.4.4.1 Any deviations or departure from the specifications and/or the requirements of 3.4.4 require an approval from the SUPERVISOR prior to equipment re-assembly.

3.4.5 Inspect and provide technical guidance and assistance during process performance, equipment re-assembly and adjustment, and when specified, coating application. Verify re-assembly procedures, sizes, and clearances comply with manufacturer's requirements, Navy technical manual requirements, and coating application procedures when specified.

3.4.5.1 Verify and document mechanical and electrical alignments, final closing sizes, and clearances.

3.4.6 Witness operational tests, make adjustments, and document test and process performance results, including, when required, final inspections of coating systems.

3.4.7 Submit one legible copy, in approved transferrable media, of an overall condition report to the SUPERVISOR within 5 days of completion of the requirements of the Work Item and/or coating system application or other process specified in the invoking Work Item.

3.4.7.1 The report shall provide a brief of the repairs accomplished and the Technical Representative's assessment of the post-overhaul equipment condition or process performance.

3.5 Notify the SUPERVISOR upon arrival and prior to departure of the Technical Representative.

4. NOTES:

4.1 None.

NAVSEA
STANDARD ITEM

FY-19

ITEM NO: 009-99
DATE: 18 JUL 2014
CATEGORY: I

1. SCOPE:

1.1 Title: Ship Departure Report; provide

2. REFERENCES:

2.1 None.

3. REQUIREMENTS:

3.1 Provide the following completion data, which will be used to close all completed 2-Kilos and generate the Ship Departure Report, no later than 60 days after the availability end date for scheduled CNO and scheduled Fleet Maintenance Availabilities and no later than 60 days after completion of the work for unscheduled and emergent Fleet Maintenance Availabilities. Provide this data in the Navy Maintenance Database (NMD), either directly in the application or indirectly via another computer system using a web interface.

3.1.1 Verify that the following fields are correct: Execution Availability, Contractor, Definitized Amount, Contract Number, Availability Start Date, and Availability End Date.

3.1.2 Verify that the following Work Item fields are correct for each Work Item completed in the work package: SPEC and RCC.

3.1.3 For COST contracts, provide the following data for each Work Item and Request for Contract Change (RCC) completed in the work package: M/D, LABOR, CFM, subcontractor information, COMPLETION DATE, ACTION TAKEN code (see 4.2), and AS FOUND CONDITION (if required by the Work Item).

3.1.3.1 Return cost data shall be entered separately for each Original Work Item and RCC. The RCC costs are those costs associated with a change in scope from the Original Work Item. The Original Work Item costs plus all associated RCC costs must equal the actual costs from the C+60 Final Cost Report or equivalent financial report for that completed Work Item. If the contractor is unable to segregate charges between Original Work Items and RCCs, it is acceptable to report RCC settled costs (M/D, LABOR, CFM, and subcontractor information) as the return costs for the RCC, and to subtract the settled costs of all RCCs for the Work Item from the total Work Item actual costs to derive the return costs associated with the Original Work Item.

3.1.3.2 The sum of all Work Items, including all RCC costs and new Work Items, shall equal the actual cost of the availability without fees from the C+60 Final Cost Report or equivalent financial report.

3.1.4 For FFP contracts, provide the following data for each Work Item and Request for Contract Change (RCC) completed in the work package: COMPLETION DATE, ACTION TAKEN code (see 4.2), and AS FOUND CONDITION (if required by the Work Item).

3.2 For COST contracts, verify the subcontractor percentages are correct or adjust as necessary. (See 4.3)

3.3 Report completion to the SUPERVISOR.

4. NOTES:

4.1 Departure reports are not accounting documents; however, they will be handled as business sensitive material.

4.2 Definitions for Action Taken codes can be found in NAVSEAINST 4790.8, Paragraph B-2.5.2.

4.3 If the distribution of subcontractor information is known, enter the data in the appropriate fields (SUB-M/D, SUB-LABOR, and SUB-MAT). If only a total cost of subcontracted work is known, enter that cost in the SUB-MAT field and leave SUB-M/D and SUB-LABOR blank.

4.4 For non-alteration Work Items and RCCs, if only GFM was used, enter an ACTION TAKEN Code of 1 (Maintenance Action Completed; Parts Drawn From Supply). If only CFM was used, enter an ACTION TAKEN Code of 2 (Action Complete; Parts Not Drawn From Supply). If no material was required, enter an ACTION TAKEN Code of 3 (Action Complete; No Parts Required). If both GFM and CFM were used, enter an ACTION TAKEN Code of 1 (Maintenance Action Completed; Parts Drawn From Supply).

4.5 Attachment A defines terms used in this Standard Item.

4.6 For activities not using NMD, Attachments B and C are provided as examples of the required format for departure reports.

ATTACHMENT A

GLOSSARY

ACTION TAKEN CODE: Code which describes the final disposition of the Work Item/RCC

AS FOUND CONDITION: Code which describes the necessity of the Work Item/RCC

AVAILABILITY END DATE: Date of actual availability completion (month/day/year)

AVAILABILITY START DATE: Date of actual availability start (month/day/year)

CFM: Contractor-furnished material cost

CONTRACT NUMBER: Identifying number of the contract authorizing the work

CONTRACTOR: Name of contractor

DEFINITIZED AMOUNT: Contract price plus growth pool

EXECUTION AVAILABILITY: Number assigned to the availability, showing contractor, SPP (code to describe the availability type and contract method), and the fiscal year of execution

GFM: Government furnished material cost

JCN: The 5-digit ship UIC plus the 8-character Job Sequence Number

LABOR: Cost for contractor labor

M/D: Man-days; contractor man-hours divided by 8

ORIGINAL WORK ITEM: A Work Item that existed at definitization/award. It is the original scope of work for that work Item

RCC: Request for contract change

SETTLED WORK ITEM: The estimated costs (M/D, LABOR, CFM, and subcontractor information) at the time the RCC is settled

SPEC: Work Item

SUB-LABOR: Cost for subcontractor labor (if known)

SUB-MAT: Subcontractor-furnished material cost (or total subcontractor cost if SUB-M/D, SUB-LABOR, and SUB-MAT are not known)

SUB-M/D: Subcontractor man-days; subcontractor man-hours divided by 8 (if known)

TYPE AVAIL: The type of availability. Examples: ROH - Regular Overhaul; COH - Complex Overhaul; SRA - Selected Restricted Availability; DSRA - Docking Selected Restricted Availability; PMA - Phase Maintenance Availability; DPMA - Docking Phase Maintenance Availability; INA - Inactivation; ACT - Activation; CONV - Conversion; CMAV - Continuous Maintenance Availability; PSA - Post Shakedown Availability; PIA - Planned Incremental Availability; DPIA - Docking Planned Incremental Availability; RCOH - Refueling Complex Overhaul

ATTACHMENT B

FOUO. FOR OFFICIAL USE ONLY. THIS REPORT CONTAINS BUSINESS SENSITIVE INFORMATION.

SHIP DEPARTURE REPORT

USS _________ (_____) FY-__ ____

							CLASS "C" ESTIMATES				ACTUAL EXPENSES								
ESWBS	W/C	JSN	RCC	COAR	%	SUMMARY	M/D	MATL	SUB/	TOTAL	M/D	LABOR	CFM	SUBCONTRACTOR			TOTAL	GLM	APA
									REP			COST		M/D	MATL	TOT$			

ATTACHMENT C

FOUO. FOR OFFICIAL USE ONLY. THIS REPORT CONTAINS BUSINESS SENSITIVE INFORMATION.

SHIP DEPARTURE REPORT

NAVSEAINST 4790.14 Series

REPORT NO: ISSUE DATE:

SHIP/HULL
SSP NO.
UIC
FY/TYPE AVAIL.
AVAIL.NO.
AVAIL. START
AVAIL. COMPLETION
INDUSTRIAL ACTIVITY
CONTRACTOR
JOB ORDER NO.

CUSTOMER/ TYPE OF WORK	COAR	M/D RATE	GLM	M/D	MAT'L	COST	APA
TYCOM REPAIRS							
TYCOM ALTERATIONS							
NAVSEA ALTERATIONS							
NAVSEA ORDALTS							
ADMINISTRATIVE SERVICES (DSA FUNDED)							
OTHER							
TOTALS							

ITEM NO: 009-99
FY-19

NAVSEA
STANDARD ITEM

FY-19

ITEM NO: 009-100
DATE: ***01 OCT 2017***
CATEGORY: I

1. SCOPE:

1.1 Title: Ship's Stability; maintain

2. REFERENCES:

2.1 Standard Items

2.2 541-6687001, ***Compensating Fuel Oil Tanks on CG-47 Class Ships, Guidance for Process Control Procedure While Waterborne***

2.3 541-6686789, Compensating Fuel Oil Tanks on DDG-51 Class Ships, Guidance for Process Control Procedure Preparation While Waterborne

3. REQUIREMENTS:

3.1 Accomplish the requirements of 009-09 of 2.1, to include engineering calculations, for maintaining ship's stability during the accomplishment of modifications, repairs, removal or repositioning of equipment, ballasting, and off-loading/on-loading of fluids for the duration of the availability, using 2.2 (CG-47) or 2.3 (DDG-51) and the following for criteria:

3.1.1 The ship's list shall not exceed 2 degrees.

3.1.1.1 If the ship's list exceeds 2 degrees, it shall be corrected within 4 hours.

3.1.1.2 Provide weights or water boxes at the locations and amounts as determined by the engineering calculations.

3.1.1.3 Add and remove weights or water to maintain the ship's stability.

3.1.2 Submit the PCP to the SUPERVISOR within 10 business days prior to start of availability for CNO scheduled availabilities; within 5 business days after award for non-CNO availabilities; and within 5 business days of any contract change order authorizing work that will alter the ship’s condition of stability; unless otherwise directed by the SUPERVISOR.

4. NOTES:

4.1 None.

NAVSEA
STANDARD ITEM

FY-19

ITEM NO: 009-101
DATE: 18 NOV 2016
CATEGORY: I

1. SCOPE:

1.1 Title: Ship Transit and Berthing; accomplish

2. REFERENCES:

2.1 Standard Items

2.2 845-6686999, US Navy Vessel Water Depth, Mooring and Hull/Appendage Clearance Requirements for Transit and Berthing

3. REQUIREMENTS:

3.1 For all non-Aircraft Carrier ships over 100 feet in length at a contractor facility, channels, berth, and turning basin shall comply with 2.2. Mooring requirements shall be in accordance with 009-69 of 2.1.

3.1.1 Minimum water depth shall be maximum navigable draft plus 2 feet at mean low water.

3.1.1.1 The approach channel, vessel turning radius, and berth/pier shall be clearly marked with channel markers in areas where the 2 feet minimum does not extend beyond the minimum approach channel, vessel turning radius, and berth/pier requirements specified in 2.2.

3.1.1.2 Install temporary fixed reference points at each end of the approach channel and berth. The reference points shall mark the center of the approach channel and berth.

3.2 Maintain a minimum of 4 feet between the highest point on the ship and overhead projections at mean high water.

3.3 Maintain a minimum horizontal clearance of 17 feet 6 inches between each side of the ship's extreme beam (35 feet total) and any fixed structures such as bridges.

3.4 Submit one legible copy, in approved transferrable media, of a report listing results of the requirements of 3.1 through 3.3 to the SUPERVISOR 15 days prior to availability start date.

4. NOTES:

4.1 This item is for all ships over 100 feet in length entering contractor's facility.

NAVSEA
STANDARD ITEM

FY-19

ITEM NO: 009-102
DATE: ***01 OCT 2017***
CATEGORY: I

1. SCOPE:

1.1 Title: Alteration Verification; provide

2. REFERENCES:

2.1 None.

3. REQUIREMENTS:

3.1 Accomplish reporting of alterations in accordance with the following:

3.1.1 Meet with the ship's Commanding Officer's designated representative and the SUPERVISOR within one day after start of the availability. Accomplish required reporting for each alteration in accordance with Attachments A through C.

3.1.2 Meet with the Commanding Officer's designated representative to obtain necessary information and signatures as required throughout the availability.

3.1.3 Submit one legible copy, in approved transferrable media, of completed Attachments A through C to the SUPERVISOR for each alteration within 3 days after alteration completion.

4. NOTES:

4.1 Alterations may include Ship Alterations (ShipAlts), Ordnance Alterations (ORDALTs), Engineering Changes (ECs), Field Changes (FCs), Machinery Alterations (MACHALTs), Ship Change Document (SCD), Alteration Equivalent to Repair (AER), and other configuration changes authorized for accomplishment.

4.2 The requirements of this NAVSEA Standard Item will be accomplished by the activity installing the alteration.

ATTACHMENT A

Exceptions to ILS Verification/Itemized Deliverables as Listed on ILS Certification

ALTERATION IDENTIFICATION: _____
(Type Hull-Class-Alteration Number)

SHIP: _____ ALTERATION ACCOMPLISHMENT DATE:_____
__
(Hull No./Name) (From - To)

INSTALLING ACTIVITY: _____

1. The following ILS was not provided upon completion of this alteration:

a. Technical Manuals (listed by identification number and equipment application).

b. Spares Support ***(OBRP and MAMs)*** that ***are with/***without RIC/PAL No./Interim Repair Parts (listed by Equipment/Nomenclature)

c. COSAL Updates (list documentation not onboard)

d. Test Equipment (listed by Equipment Nomenclature)

e. PMS Documentation (listed by Maintenance Index Pages (MIPs), Maintenance Requirements Card (MRC) Numbers)

f. Ship Selected Record Drawings (SSRD) Markups (list mark-ups not onboard)

g. Installation Drawings (list drawings not onboard)

h. Onboard Initial/Differences Training as listed on ILS cert.

2. The following information is provided for items indicated in paragraph (1):

a. Information on how and when this missing ILS was ordered (i.e. Requisition Number, Letter/Transmittal Number, etc.).

b. Information on the current status/estimated receipt date/reason for late arrival (if known) (i.e. out of stock, not developed, etc.).

c. Information on the anticipated method of transfer to the ship when received (i.e. transhipment, forwarding letter, to be accomplished by someone other than Naval Supervisory Authority (NSA)/Alteration Installation Team (AIT), etc.).

_____
_____

ATTACHMENT B

PHYSICAL CONFIGURATION AUDIT REPORT

ALTERATION IDENT: _____
(Type Hull-Class-Alteration Number)

SHIP: _____ ALTERATION ACCOMP DATE:_____
(Hull No./Name) (From - To)

INSTALLING ACTIVITY:_____

EQUIPMENT NOMENCLATURE _____

SERIAL NO.: _____

LOCATION: _____

EQUIPMENT DISPOSITION:

☐ INSTALLED ☐ REMOVED ☐ MODIFIED

EIC NO.: _____

TECHNICAL MANUAL(S):
(New/Revised/Copies)

_____

_____

APL/AEL/PAL: _____

TEST EQUIPMENT: _____

_____

_____

PMS DOCUMENTATION: _____ (MIP NO.)

REMARKS: _____

_____

_____

ATTACHMENT C

SHIP ALTERATION COMPLETION REPORT

REPORT NO: ISSUE DATE:

SHIP/HULL
SSP NO.
UIC
FY/TYPE AVAIL.

NAVSEA SUMMARY SHIPALT NO.	BRIEF DESCRIPTION	COMPLETE (Yes/No)	REMARKS
—			

TYCOM SUMMARY SHIPALT NO.	BRIEF DESCRIPTION	COMPLETE (Yes/No)	REMARKS
—			

NAVSEA
STANDARD ITEM

FY-19

ITEM NO: 009-103
DATE: 18 JUL 2014
CATEGORY: I

1. SCOPE:

1.1 Title: Weight and Moment Change Data; provide

2. REFERENCES:

2.1 None.

3. REQUIREMENTS:

3.1 Provide final weight and moment data in the format identified in Attachment A.

3.1.1 Maintain an account of weight and moment changes resulting from work accomplished during the availability as follows:

3.1.1.1 Weights removed and location of removal

3.1.1.2 Weights added and location of addition

3.1.1.3 Longitudinal, vertical, and transverse moment of removed weights

3.1.1.4 Longitudinal, vertical, and transverse moment of added weights

3.1.2 Submit one legible copy, in approved transferrable media, of a report listing results of the requirements of 3.1.1 to the SUPERVISOR.

3.1.2.1 The data shall be a summation of total weight and moment (longitudinal, vertical, and transverse) changes resulting from weights added, removed, and relocated during the availability.

3.1.2.2 Submit a separate data sheet for each applicable Work Item number.

3.1.2.3 Submissions shall be progressive as Work Items are completed.

4. NOTES:

4.1 The SUPERVISOR will provide the Alteration Installation Team (AIT), Ship's Force, Commercial Industrial Services (CIS), and Fleet Maintenance Activity (FMA) availability data required in 3.1.

ATTACHMENT A

SHIP NAME: _____ HULL (_____) CONTRACT/JOB ORDER NO: _____

REPORT DATE: _____ WORK ITEM NO: _____ TITLE: _____

WT GROUP	ITEM DESCRIPTION	DWG NO.	REV	WT LBS	VCG FT	LCG FT	TCG FT	ABBREVIATED DWG TITLE

Abbreviations:
WT - weight; DWG - drawing; REV - revision; VCG - vertical center of gravity; LCG - longitudinal center of gravity; TCG - transverse center of gravity; FT - feet; I - install; R - remove; F - forward; A - aft; P - port; S - starboard; O - centerline; LBS - pounds

NAVSEA
STANDARD ITEM

FY-19

ITEM NO: 009-106
DATE: ***01 OCT 2017***
CATEGORY: I

1. SCOPE:

1.1 Title: Work Authorization Form Coordinator (WAFCOR); provide

2. REFERENCES:

2.1 Joint Fleet Maintenance Manual (JFMM)

3. REQUIREMENTS:

3.1 Provide a representative whose function is to coordinate the Work Authorization and Control Process, known as the Work Authorization Form (WAF) Coordinator (WAFCOR), from 30 days prior to the actual scheduled start date of shipboard work, ***or not later than 5 days after award for Firm Fixed-Price contracts,*** to the completion of shipboard work.

3.2 The WAFCOR shall be responsible for the work authorization control process for all Repair Activity (RA) work being performed during the contract performance period. The WAFCOR shall receive, process, compare, and coordinate all WAFs and Technical Work Documents (TWDs) submitted by RAs in accordance with the requirements of Volume IV, Chapter 10, of 2.1. The WAFCOR shall meet daily with the designated representatives from each RA, the Commanding Officer's designated representative, and the SUPERVISOR to eliminate any tag-out conflicts, and to advise the SUPERVISOR of any work authorization problems that could impact the RA's or the ship's work operations and testing.

3.2.1 The WAFCOR shall ensure that each RA submits a properly filled out WAF. The WAF/TWD shall show or explain the job description for each work authorization. The WAFCOR shall assign a tracking number and submit the WAF to the Commanding Officer's designated representative. The Commanding Officer's designated representative will determine if adequate isolation and plant/system conditions exist to safely and properly conduct the work, authorize and hang tag-outs, and sign the WAF. Each individual RA must submit work authorizations even if multiple RAs are working on the same components.

3.2.2 The WAFCOR shall legibly sign ***concurrence on*** the WAF for start of work. |

3.2.3 The WAFCOR shall ensure that WAF revisions or changes submitted by the cognizant RAs are processed prior to proceeding with the work necessitating the change/revision to the WAF.

4. NOTES:

4.1 Repair Activity (RA) is any activity (public or private) other than Ship's Force involved in the construction, testing, repair, overhaul, refueling, or maintenance of the ship. Repair Activities include the prime contractor, all subcontractors, government provided contractors or agencies, Alteration Installation Teams, Fleet Maintenance Activities, Naval Shipyards, and others.

4.2 Training requirements are listed in NAVSEA Standard Item 009-24.

NAVSEA
STANDARD ITEM

FY-19

ITEM NO: 009-108
DATE: 18 NOV 2016
CATEGORY: I

1. SCOPE:

1.1 Title: Aircraft Carrier Transit and Berthing; accomplish

2. REFERENCES:

2.1 Standard Items

2.2 845-6686999, US Navy Vessel Water Depth, Mooring and Hull/Appendage Clearance Requirements for Transit and Berthing

3. REQUIREMENTS:

3.1 Channels and berth at a contractor facility shall comply with 2.2. Turning basin shall meet the requirements of 2.2 unless physically impossible, in which case turning area shall meet all other clearance requirements specified in this item. Mooring requirements shall be in accordance with 009-69 of 2.1.

3.1.1 Minimum water depth shall be maximum draft plus 6 feet minimum at mean low water. List and trim effects shall be considered to determine the 6-feet minimum.

3.1.1.1 The approach channel, vessel turning area, and berth/pier shall be clearly marked with channel markers in areas where the 6-feet minimum does not extend beyond the minimum approach channel, vessel turning area, and berth/pier requirements specified in 2.2.

3.1.1.2 Install temporary fixed reference points at each end of the approach channel and berth. The reference points shall mark the center of the approach channel and berth.

3.1.1.3 The 6-feet minimum shall be for the duration of time at a berth/pier.

3.2 Maintain a minimum of 4 feet between the highest point on the ship and overhead projections at mean high water.

3.3 Maintain a minimum horizontal clearance of 17 feet 6 inches between each side of the ship's extreme beam (35 feet total) and any fixed structures such as bridges.

3.4 Submit one legible copy, in approved transferrable media, of a report listing results of the requirements of 3.1 through 3.3 to the SUPERVISOR 15 days prior to availability start date.

4. NOTES:

4.1 This item is for all aircraft carriers for all conditions, including "dead stick" (towed) conditions that enter into a contractor's facility.

NAVSEA
STANDARD ITEM

FY-19

ITEM NO: 009-109
DATE: ***01 OCT 2017***
CATEGORY: I

1. SCOPE:

1.1 Title: Non-SUBSAFE Work on SUBSAFE-Certified Vessel; accomplish

2. REFERENCES:

2.1 0924-LP-062-0010, Submarine Safety (SUBSAFE) Requirements Manual

2.2 0905-LP-485-6010, Control of Testing and Ship Conditioning

2.3 S9510-AB-ATM-010, Nuclear Powered Submarine Atmosphere Control Manual

2.4 Joint Fleet Maintenance Manual (JFMM)

3. REQUIREMENTS:

3.1 Provide a written training plan for accomplishing non-SUBSAFE work on SUBSAFE-certified vessels, using 2.1 through 2.3 and Volume IV, Chapter 10 of 2.4 for guidance.

3.1.1 Submit one legible copy, in approved transferrable media, of the training plan to the SUPERVISOR no later than 15 days prior to availability start date.

3.1.2 Submit revisions to the training plan to the SUPERVISOR for review and acceptance prior to use.

3.1.3 Implement the approved training plan prior to commencement of non-SUBSAFE work on SUBSAFE-certified vessels.

3.2 Train all personnel (including subcontractors) assigned to perform work on SUBSAFE-certified vessels in accordance with the approved training plan of 3.1 prior to start of work.

3.2.1 All personnel shall have direct knowledge of work control procedures, be able to recognize and initiate alarms, be familiar with actions to be taken to evacuate the vessel, and reporting submerged safety draft marks.

3.2.2 Submit one legible copy, in approved transferrable media, of a list of qualified contractor and subcontractor personnel to the SUPERVISOR no later than 15 days prior to start of work. The list shall include company name, badge number, and date training was provided, along with certification documentation showing that training requirements have been met.

3.2.2.1 Submit updates to the list as changes occur throughout the availability.

3.3 Accomplish a joint on-site brief and walkthrough of the work site with the SUPERVISOR and the Commanding Officer's designated representative prior to start of work.

3.3.1 Include identification of SUBSAFE components and/or systems located in the area of work, components and/or systems which may be affected by the work, and lessons learned from previous or similar work. Include identification of Unrestricted Operations (URO) Maintenance Requirement (MRC)-related equipment located in the area of work.

3.3.2 Ensure that URO MRC-measured parameter is not violated. (See Volume V, Part-I, Chapter 5 of 2.4.)

3.4 Maintain approved written instructions for accomplishing non-SUBSAFE work on the work site at all times.

3.4.1 Do not accomplish work or disturb any system or component without specific approved written instructions for accomplishing non-SUBSAFE work.

3.5 Prohibit the following items from being brought onboard any nuclear-powered vessel or nuclear support vessel:

3.5.1 Any mercury bearing equipment such as mercury thermometers, portable fluorescent lights, black lights or any other items containing mercury.

3.5.2 Nickel-Cadmium fasteners.

3.5.3 Any device that contains a source of radioactivity.

3.5.4 Bright yellow tools, bags, or equipment.

4. NOTES:

4.1 The SUBSAFE program is a certification program implemented by NAVSEA to ensure strict work controls, material controls, and testing to verify submarine system integrity and prevent loss of submarine personnel and equipment.

4.2 The URO MRC program was developed by NAVSEA to monitor specific areas of interest to determine if the conditions of these areas are suitable for continued unrestricted operations.

4.2.1 URO MRC Manuals:

4.2.1.1 T9081-AD-MMO-010 & 020 (SSN 21 Class)

4.2.1.2 0924-LP-064-8010 (SSN 688 Class)

4.2.1.3 T0700-AA-PRO-010 (SSBN/SSGN 726 Class)

4.2.1.4 T9081-AE-MMO-010 (SSN 774 Class)

NAVSEA
STANDARD ITEM

FY-19

ITEM NO: 009-111
DATE: 18 NOV 2016
CATEGORY: I

1. SCOPE:

1.1 Title: Schedule and Associated Reports for Availabilities 9 Weeks or Less in Duration; provide and manage

2. REFERENCES:

2.1 S9AAO-AB-GOS-010, General Specifications for Overhaul of Surface Ships (GSO)

3. REQUIREMENTS:

3.1 Develop a Production Schedule for work packages less than 4 weeks in duration that reflects the manner in which the availability will be accomplished. The Production Schedule shall include:

3.1.1 Start and completion date of production work for each Work Item.

3.1.2 Scheduled start and completion dates of all Stage 3 through Stage 6 required tests. Test Stages are defined in Section 092 of 2.1 and Note 4.1.1.

3.1.3 Critical Path and Controlling Work Items.

3.1.4 Integration between Work Items to the extent necessary to remove conflicts within ship's compartments or systems, facilitate coordinated testing, and complete all Work Items within the contracted Period of Performance.

3.2 Develop an Integrated Production Schedule (IPS) for work packages 4 to 9 weeks in duration that reflects the manner in which the availability will be accomplished. The IPS shall include:

3.2.1 Schedule each Work Item to the Work Activity level listing the start and completion dates, and durations for each Work Activity.

3.2.1.1 Assign each Work Activity in the IPS a short title to describe the nature of the Work Activity, system and equipment or machinery involved.

3.2.1.2 Integrate all known Alteration Installation Team (AIT), Government-Contracted Third Party Maintenance Provider, Ship's Force, Commercial Industrial Services (CIS), and Fleet Maintenance Activity (FMA) work. Alteration (ALT) numbers, Job Sequence Numbers (JSNs), and Task Order numbers (TOs) are considered equivalent to the contractor's Work Specification Work Items for the purposes of scheduling the work of these third-party organizations in accordance with this Standard Item. The term Work Item is inclusive of these additional methods of identifying a body of work.

3.2.1.3 Each Work Activity shall be scheduled by location and system, and integrated into the IPS.

3.2.2 The latest allowable receipt date for contractor and government furnished material (CFM and GFM) to maintain production schedule.

3.2.3 Scheduled Key Events and Milestones.

3.2.3.1 Assign appropriate predecessor relationships to each Key Event and Milestone(s) to ensure there is an accurate logical progression through all Work Activities leading to their assigned Key Event and Milestone(s), to ensure the IPS supports accurate prediction of Key Event and Milestone(s) attainment.

3.2.4 Critical Path and Controlling Work Items.

3.2.5 Scheduled start and completion dates of all Stage 3 through Stage 6 required tests.

3.3 Revise Production Schedule/IPS at the Work Activity level weekly to include additions, deletions, modifications, actual start and finish dates, progress, and completion of Work Items for work packages identified in 3.1 and 3.2. Progress shall be based on degree of completion of physical work or accomplishment of the Work Activity.

3.4 Coordinate and schedule AIT, Government-Contracted Third Party Maintenance Providers, Ship's Force, CIS, and FMA work with contractor work into the IPS for work packages identified in 3.2 when the SUPERVISOR has identified such work to take place during the availability. (See 4.2)

3.4.1 Develop a report identifying missing or incomplete schedule integration data for known participants in the availability when the IPS is submitted. Identification of missing or incomplete schedule integration data is required to highlight areas of elevated IPS uncertainty, but shall not be cause for delay in establishing the IPS nor the delivery of reports required under this Standard Item.

3.5 Provide cognizant contractor management representation to participate in the weekly progress meeting at the time and location agreed to by the SUPERVISOR for work packages identified in 3.1 and 3.2. The representative(s) must be authorized to make management decisions relative to

the routine requirements of the Job Order that, in good faith, commit the contractor. AIT Managers and/or On-Site Installation Coordinators (OSIC) shall participate and represent respective alteration teams in scheduled weekly progress meetings.

3.5.1 Weekly progress meeting participants shall be prepared to address Critical Path and Controlling Work Items, and offer reasonable solutions to problems which may have impact on scheduled Key Events and Milestones or completion date. Contractors scheduled work and planned AIT and Ship's Force work shall be discussed to support and de-conflict any testing and equipment operation scheduled.

3.6 Develop one legible copy, in approved transferrable media, of an availability status report that includes the revised IPS for work packages identified in 3.2. Provide the following for each Work Item:

3.6.1 Percent of production work completed.

3.6.2 Late contractor furnished material which affects production dates.

3.6.3 Government Furnished Material that has not been received which affects production dates.

3.6.4 Action taken or proposed to resolve inadequate production progress, material delivery that does not support production schedule, and other problems placing completion of any work item in jeopardy.

3.7 Provide cognizant contractor management representation to participate in a review conference to be held at the 50-percent point in the availability and a completion conference to be held no later than 3 days prior to availability completion date to determine the scope of remaining work for work packages identified in 3.2.

3.7.1 Data from the most recent submission in accordance with 3.3 and 3.6 will be used at the review conference. Review conferences will be held within two days of the Weekly Progress Meeting of 3.5 or, subject to SUPERVISOR approval, may be held simultaneously with the Weekly Progress Meeting. The conferences will be scheduled at a time and place mutually agreeable to all parties.

3.8. Provide one legible copy, in approved transferrable media, of a complete list of subcontractors, by Work Item, to the SUPERVISOR.

3.8.1 The subcontractor list shall include:

3.8.1.1 Work Item paragraph number.

3.8.1.2 Specific work to be accomplished.

3.8.2 Submit one legible copy, in approved transferrable media, of a report to the SUPERVISOR of any change to the original list, whenever any subcontractor is added or deleted.

3.9 Manage work progression to support scheduled light-off of machinery space equipment.

3.9.1 Develop a list of work required to be completed prior to light off for work packages identified in 3.2.

3.9.1.1 Revise the list of unfinished work, including machinery and systems discrepancies, daily throughout the light-off phase.

3.9.2 Schedule daily meetings to resolve problems/unfinished work relating to light-off. Meetings shall commence 2 weeks prior to light off, and continue until completion of testing. This meeting may be held in conjunction with the daily production meeting.

3.9.3 Accomplish a walk-through with Ship's Force and the SUPERVISOR 5 days prior to completion of work in machinery spaces.

3.10 Submit the following reports to the SUPERVISOR as listed in Adobe Acrobat (.pdf), or Microsoft Word (.doc) compatible media as per Table 1.

Table 1
Required Reports.

ID Number	Requirements	Title	Format	Due
3.11.1	3.1 3.2 3.4.1 3.8	- Production Schedule - IPS - Incomplete GFI - List of Subcontractors	.pdf .pdf .doc .doc	NLT 5 days prior to availability start date
3.11.2	3.4.1 3.6	- Incomplete GFI - Availability Status Report	.doc .pdf	Weekly after A-0, one day prior to progress meeting
3.11.3	3.9.1	- List of incomplete machinery space work	.doc	5 days prior to scheduled completion of machinery space work
3.11.4	3.9.1.1	- Revised list of incomplete machinery space work	.doc	Daily throughout light-off phase

4. NOTES:

4.1 Definitions.

4.1.1 Industrial Testing: Conducted by using stages of testing for the progressive validation of the proper installation and performance of equipment and systems. These stages are:

Stage 1: Material Receipt Inspection/Shop Tests
Stage 2: Shipboard Installation Inspection & Tests
Stage 3: Equipment Level Operational Tests
Stage 4: Intrasystem Tests
Stage 5: Intersystem Tests
Stage 6: Special Tests
Stage 7: Dock Trials/Sea Trials

4.1.2 Production Schedule: The schedule used by contractor and subcontractor personnel as a means of planning, tracking, and coordinating the accomplishment of contract work.

4.1.3 Integrated Production Schedule (IPS): A schedule used by the contractor as a means of planning, tracking, coordinating and de-conflicting work during the availability. It incorporates all work planned for accomplishment during the maintenance availability including: Alteration Installation Team (AIT), Government-Contracted Third Party Maintenance Providers, Ship's Force, Commercial Industrial Services (CIS), and Fleet Maintenance Activity (FMA) work.

4.1.4 Work Activity: A portion of an individual Work Item, which is a logical subdivision of the Work Item, representing a manageable unit of work which must be accomplished at a specific period of time in relation to other activities of the Job Order.

4.1.5 Key Event: An event that, if slippage occurs, could impact or delay the overall schedule, or prevent timely delivery of the vessel. Key Events are identified by the contract, the SUPERVISOR, or the contractor.

4.1.6 Milestone: A significant event identified by the Maintenance Team. Milestones are used as a scheduling aid and establish significant points where progress must be evaluated and confirmed. Accumulated failure to achieve Milestones on schedule may result in missed Key Events. Milestones may be identified by either the contractor or the SUPERVISOR.

4.1.7 Critical Path: That sequence of Work Activities which forms the work and test chain of the longest duration, and directly affects the completion of the availability. Factors that influence when a Work Activity is on the Critical Path include: time duration required for the Work Activity, space limitations, manpower available, and the predecessor/successor relationships between Work Activities. Typically, the Critical Path is determined by automated schedule analysis and will include any sequential set of Work Activities forming the longest chain of events extending throughout the schedule and which has the least Total Float.

4.1.8 Controlling Work Items: Those Work Items which include activities that are on the critical path of the IPS, which, by virtue of scope, material requirements, complexity, or other considerations, have the

significant potential for impact on the scheduled project Key Events or completion of the availability.

4.1.9 Total Float: The total number of days that a path of Work Activities can be delayed without affecting the project finish date. A path of Work Activities is established by predecessor and successor relationships.

4.2 The SUPERVISOR will provide, or direct provision, of the AIT, Government-Contracted Third Party Maintenance Providers, Ship's Force, CIS, and FMA availability data required for schedule integration in 3.4 and progress/de-confliction in 3.5.1.

NAVSEA
STANDARD ITEM

FY-19

ITEM NO: 009-121
DATE: 18 NOV 2016
CATEGORY: II

1. SCOPE:

1.1 Title: Ship Assessment/Inspection; accomplish

2. REFERENCES:

2.1 None.

3. REQUIREMENTS:

3.1 Provide the services of qualified on-site technical representatives and resources to accomplish Ship Assessments/Inspections.

3.1.1 Provide Assessors that meet all qualification requirements for each specific Assessment/Inspection area assigned and the following general qualification requirements.

3.1.1.1 Have technical knowledge of the specified equipment or process, and have a documented history of conducting Material Assessments/Inspections on similar equipment or processes.

3.1.1.2 Have demonstrated competence with required Standard Work Templates (SWT) and procedures specified in the Class Maintenance Plan (CMP) and the Planned Maintenance system (PMS) database.

3.1.1.3 Have demonstrated competence with submitting technically accurate documentation of both satisfactory and unsatisfactory Assessment/Inspection results (OPNAV 4790 2-Kilo’s and Automated Work Requests).

3.1.2 Comply with the following requirements when conducting Assessments/Inspections and reporting deficient material conditions of assigned ships equipment/systems.

3.1.2.1 Integrate work requirements, setting of priorities, coordinating with the ship, and de-conflicting of other ship Assessments/Inspections as agreeable by the SUPERVISOR.

3.1.2.2 Conduct Assessments/Inspections only using tasks from the Class Maintenance Plan (CMP) or Assessment Procedures (AP) Maintenance Requirement Cards (MRC) in the Planned Maintenance System (PMS) database.

3.1.2.3 Verify all established procedures (e.g., CMP, MRC) are reviewed for technical accuracy and ability to comply with the procedure as written.

3.1.2.4 Inform the SUPERVISOR of any deficiencies or technical inaccuracies in the Assessment/Inspection procedures.

3.1.2.5 Submit Technical Feedback Report (TFBR) to the SUPERVISOR to address any deficiencies or technical inaccuracies in the Assessment/Inspection procedure. Ensure TFBR describes what is required to properly perform Assessment/Inspection.

3.1.3 Document all Assessment/Inspection findings, whether satisfactory or unsatisfactory using an OPNAV 4790 2-Kilo or Automated Work Request (AWR).

3.1.3.1 The SUPERVISOR is the ultimate approval authority for review of 2-Kilo's and AWR's written during an Assessment/Inspection. Any corrections identified as necessary due to error or omission by the contractor shall be promptly corrected by the contractor.

4. NOTES:

4.1 None.