

JOINT FLEET MAINTENANCE MANUAL**FOREWORD****LIST OF EFFECTIVE PAGES**

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JOINT FLEET MAINTENANCE MANUAL
FOREWORD

REFERENCES

- (a) SECNAVINST 5239.21 - Department of the Navy Electronic Signature Policy

LISTING OF APPENDICES.

- A Master List of References
B Responsibilities

1 MANUAL DEVELOPMENT. The development of the Joint Fleet Maintenance Manual has been a dedicated effort by all Naval Type Commanders to establish a single, unified source of maintenance requirements across all platforms.

2 VOLUME TOPICS. The Joint Fleet Maintenance Manual is made up of seven distinct volumes.

- | | | |
|------------|---|------------------------------|
| Volume I | - | New Construction |
| Volume II | - | Integrated Fleet Maintenance |
| Volume III | - | Deployed Maintenance |
| Volume IV | - | Tests and Inspections |
| Volume V | - | Quality Maintenance |
| Volume VI | - | Maintenance Programs |
| Volume VII | - | Contracted Ship Maintenance |

3 PURPOSE. This manual serves as:

- a. A standardized, basic set of minimum requirements to be used by all Type Commanders and subordinate commands.
- b. Clear, concise technical instructions to ensure **non-nuclear** maintenance is planned, executed, completed and documented within all Fleet commands.
- c. A vehicle for implementing Regional Maintenance policies across all platforms.
- d. A comprehensive set of process descriptions for use by schools such as Surface Warfare Officer School (SWOS), Senior Officer Ship Maintenance and Repair Course (SOSMRC), Engineering Duty (ED), Technical Training, etc.

4 CANCELLATION. The Joint Fleet Maintenance Manual supersedes all existing Type Commander Maintenance and Quality Assurance manuals and all associated correspondence and clarifications thereto. The following is a list of manuals that are cancelled as a result of this manual:

- a. COMNAVAIRLANTINST 4700.1/COMNAVAIRPACINST 4700.1 (Naval Air Force Ship Material Manual)
- b. COMNAVSURFLANTINST 9000.1 (Naval Surface Force, U.S. Atlantic Fleet, Maintenance Manual)
- c. COMNAVSURFPACINST 4700.1 (Naval Surface Force, U.S. Pacific Fleet, Maintenance Manual)
- d. COMSUBLANT/COMSUBPACINST 4790.4 (Submarine Force Maintenance Manual)
- e. COMNAVAIRLANTINST 9090.1/COMNAVAIRPACINST 9090.1 (Naval Air Force Quality Assurance Manual)
- f. COMSUBLANT/COMSUBPACINST 4855.2 (Submarine Force Quality Assurance Manual)
- g. COMNAVSURFLANT/COMNAVAIRLANTINST 4855.3/COMNAVSURFPAC/COMNAVAIRPACINST 4855.3 (Nuclear Surface Forces Afloat Quality Assurance Instruction)
- h. COMNAVSURFPACINST 4855.1 (Naval Surface Force, U.S. Pacific Fleet, Quality Assurance Manual)
- i. COMNAVSURFLANTINST 9090.1/COMNAVSURFPACINST 4855.22 (Naval Surface Force Quality Assurance Manual)
- j. COMNAVSURFLANTINST 9090.2 (IMA Quality Assurance Manual)

- k. CINCLANTFLT/CINCPACFLTINST 4355.1 (Quality Assurance Program)
- l. COMSUBPACINST 4855.3 (Deep Submergence Systems Quality Assurance Manual)

5 DISCUSSION.

5.1 Platform Considerations. Throughout this manual, certain requirements apply only to specific platforms. To point these out, the terms (Submarines only), (Aircraft Carriers only), (Surface Force ships only), and specific hull designators (e.g., DDG, SSN) are used in parentheses within the paragraph to which they apply. When no specific platform is mentioned, the requirements apply to all platforms. The term “ship” (alone) should be related to the context of the paragraph in which it is mentioned. The term “Submarine Force” applies to all ships under the responsibility of Submarine Forces, Atlantic and Pacific Fleets; the term “Aircraft Carriers” applies to all ships under the responsibility of Naval Air Forces, Atlantic and Pacific Fleets; and the term “Surface Force” applies to all ships under the responsibility of Naval Surface Forces, Atlantic and Pacific Fleets.

5.2 Maintenance Considerations. In the development of this manual, considerable effort was put forth to standardize work practices, incorporate accepted Regional Maintenance philosophies, and make allowances for future changes resulting from new Regional Maintenance policies. With respect to this, the term Intermediate Maintenance Activity (IMA) has been replaced by Fleet Maintenance Activity (FMA) operated by NAVSEA. Subsequently, the management of Regional Maintenance Centers and the Regional Maintenance Center function in the Naval shipyards has shifted to NAVSEA, but a Flag-level decision was made to maintain guidance for the Regional Maintenance Centers in this manual for continuity. Thus, Commander, Navy Regional Maintenance Center (CNRMC) and NAVSEA 04 representatives were invited to become members of the Joint Fleet Maintenance Manual Board of Directors (JFMMBOD) to address RMC and Naval Shipyard management/business issues associated with JFMM change requests.

5.3 Terminology Considerations. Use of the term “Type Commander/Immediate Superior in Command (TYCOM/ISIC)” throughout this manual is defined as follows:

- a. For Submarine and Surface Forces, the “TYCOM/ISIC” refers to the Squadron or Group.
- b. For Aircraft Carriers, the “TYCOM/ISIC” refers to the Type Commander for maintenance issues.
- c. For Submarine and Surface Forces, the term “ISIC”, used by itself, refers to the Squadron or Group. The term “ISIC” does not apply to Aircraft Carriers for maintenance issues, but refers to the Permanent Battle Group Commander for operational issues and non-maintenance certifications.

5.4 Administrative Considerations.

5.4.1 Master List of References. Appendix A of this foreword is a Master List of References used throughout the manual. This Master List should be reviewed to ensure that the necessary technical manuals, instructions, etc. are readily available prior to using the manual.

5.4.2 Table of Responsibilities. Appendix B provides a table of responsibilities associated with specific positions/functions located within the manual. Each position listed identifies the major responsibilities for that position and provides a link to the Chapter/paragraph where the responsibility is detailed.

5.4.3 Acronyms. Acronyms used in a particular volume are contained in the List of Acronyms at the front of each volume. Acronyms appearing four or more times in a chapter or those considered “common acronyms” (i.e., words that are known better by their acronym than by their spelled out word, for example, CD-ROM) will be spelled out the first time an acronym is used within a chapter, and the acronym listed in parentheses after the word. Terms not meeting these conditions will not be considered as acronyms within the text and the words will be spelled out.

5.4.4 Appendices. Numerous chapters throughout this manual contain Appendices for the purpose of providing further detail or examples of required reports/correspondence. In all cases the Appendices are intended as examples only and may not reflect the most current guidance or format. Higher authority source documents should be consulted. Sample correspondence provided as Naval messages may be communicated in letter format to facilitate timely transmission by electronic facsimile.

5.4.5 Volume Structure. Volumes II and V of this manual have been divided into specific parts. Volume II is made up of three parts. Part I contains requirements to implement and execute the management of an integrated maintenance process for all Navy ships. Part II defines a common validation, screening and brokering process, work package preparation process and work close out process for ship maintenance and modernization for all Navy ships

unless otherwise indicated. Part III provides procedures and guidance necessary to accurately allocate cost for work performed on or for Navy ships, ship classes or customer projects by Fleet Maintenance Activities (FMA). Volume V is made up of two parts. Part I contains requirements and procedures necessary to establish and maintain a Quality Maintenance Program. Part III contains requirements which apply to Scope of Certification for all ships and Deep Submergence Systems in the fleet.

5.4.6 Digital Signatures. Digital/Electronic signatures are authorized on all Forms and Quality Assurance Records. Electronic signatures will be in accordance with reference (a) and must be defined and approved for use by local instruction.

5.4.7 SKED 3.2 Electronic Signatures. Electronic disposition update or signature of a Maintenance Requirement Card (MRC) may be utilized by ships employing the latest version of SKED 3.2. When an individual updates the disposition of an MRC, which is the same as signing/dating an MRC completion on a 13-week Accountability Sheet, his/her name will be placed into the transaction log permanently recording the disposition update. Due to software engineering, once the updated MRC disposition is recorded (Completed, Not Applicable, etc.), the transaction record is not reversible (a permanent record). All Planned Maintenance System (PMS) assigned to a maintenance person is presented to that maintenance person immediately upon SKED 3.2 log-on. Therefore, when a ship is utilizing SKED 3.2 electronic disposition signatures, there is no need to print/sign the 13-week Accountability Form.

6 CHANGES TO THE MANUAL. A formal change process has been established for all seven volumes of the manual and is described in Figure 1. Users of this manual are encouraged to submit change requests. All change requests must be submitted using the Change Request Form contained in each volume. If changes are submitted in electronic format, facsimile or E-mail, each change request shall contain the information required on the Change Request Form. Your participation in this change process is both important and appreciated.

7 LIFE CYCLE MAINTENANCE PROCESS FOR THE JOINT FLEET MAINTENANCE MANUAL.

7.1 Purpose. To establish a management plan for life cycle maintenance of the Joint Fleet Maintenance Manual (JFMM). This plan describes the change process requirements and identifies the related responsibilities and requirements for maintaining all volumes of the JFMM.

7.2 Background. This manual was developed with the objective of providing a standard set of clear and concise maintenance requirements for the Fleet. The establishment of a formal life cycle maintenance process is necessary to ensure successful accomplishment of this objective. Utilizing a formal process will ensure effective coordination and management of the JFMM and will ensure:

- a. Standardized format for all change request responses.
- b. Timely evaluation and incorporation of change request.
- c. Automated tracking system for all review comments.
- d. Consistent distribution of all changes to the manual.
- e. A historical database containing all background information that led to changes and revisions to the JFMM.

7.3 Responsibilities and Requirements. This section defines the responsibilities and requirements of all activities involved in supporting the life cycle maintenance process of the JFMM.

7.3.1 Fleet Commanders. The Fleet Commanders are responsible for the following:

- a. Designating a single Commander, U.S. Fleet Forces Command (USFFC) and Commander, U.S. Pacific Fleet (PACFLT) point of contact to act as JFMM coordinators.
- b. Establishing a JFMMBOD. The JFMMBOD will be co-chaired by the Fleet coordinators and made up of TYCOM Quality Assurance and Maintenance representatives, the SUBMEPP JFMM Program Manager, NAVSEA 04 and CNRMC representatives.
- c. Providing final approval and promulgation letter for all JFMM changes and revisions issued to the Fleet.
- d. Providing funding for the life cycle maintenance of the JFMM.

- e. Approving all Advanced Change Notices (ACN), either by message or letter, for urgent changes to the JFMM. Develop and distribute all message ACNs. Forward all ACNs approved via letter to Submarine Maintenance Engineering, Planning and Procurement (SUBMEPP) for distribution.
- f. Convening periodic JFMMBOD review meetings. The purpose of these meetings is to review all proposed changes that may be incorporated into the manual in preparation of issuing an official change or revision to the manual.
- g. The Fleet, TYCOM or NAVSEA representatives may invite Subject Matter Experts (SME) to assist in answering proposed changes. The following rules apply for SMEs:
 - (1) All SMEs must have an advocate. The advocate will be one of the JFMMBOD members. For JFMMBOD members other than Fleet Commander representatives, a Fleet Commander member's concurrence for the SME to attend the JFMM Board of Directors Meeting is required. USFF and PACFLT will determine if other members shall be polled and notify SUBMEPP of the result. The advocate is responsible to ensure the SME complies with the established norms of the meeting.
 - (2) Access to the JFMM Electronic Change Website is generally limited to the Fleet Commanders, TYCOMs and NAVSEA representatives. **When necessary, other SMEs will be sent a proposed change for comment concurrent with member review, by email, outside of the electronic change website.** At the request of a member, an SME with a creditable need to know as determined by USFF and PACFLT may be granted limited access. Access is associated with individuals, not organizations or positions within organizations. Normally access will not be granted to individuals at commands subordinate to members.

7.3.2 Type Commander. The Type Commander (TYCOM) will:

- a. Review and evaluate all JFMM change requests within 21 calendar days of electronic posting for review, in order to provide users with timely responses.
- b. For changes which affect ship and personnel safety, notify Fleet Commanders and request a message ACN be distributed.
- c. For all other changes requiring ACNs, TYCOMs will review the ACN and forward to Fleet Commanders for approval.
- d. Review and endorse all change packages in preparation of issuing an official change/revision to the manual. Notify the Fleet Commanders of this endorsement via letter.
- e. Designate representatives to be members of the JFMMBOD.
- f. Identify changes to the JFMM distribution list.

7.3.3 Naval Sea Systems Command. NAVSEA will:

- a. Review and evaluate all JFMM change requests within 14 calendar days of electronic posting for review, in order to provide TYCOMs with timely input. If the complexity of the change will require more than 14 calendar days to complete the review, NAVSEA will notify the TYCOMs prior to 7 days of the due date for completing the review and include a new, expected completion date.
- b. For changes which affect ship and personnel safety, notify TYCOMs and request a message ACN be distributed.
- c. For all other changes requiring ACNs, NAVSEA will review the ACN and forward to TYCOMs.
- d. Designate one representative, each, from NAVSEA 04 and CNRMC to be members of the JFMMBOD to address Naval Shipyard and RMC management/business issues associated with JFMM change requests.

7.3.4 Joint Fleet Maintenance Manual Board of Directors. The JFMMBOD will:

- a. Adjudicate all JFMM change requests not unanimously resolved by TYCOMs.

APPENDIX A
MASTER LIST OF REFERENCES

2M Marine Corps TM 5895-45/1B - Standard Maintenance Practices 2M Electronic Assembly Repair

5 CFR 2635 - Standards of Ethical Conduct for Employees of the Executive Branch

10 USC 1724 - Defense Acquisition Workforce Improvement Act (DAWIA)
10 USC 2306 - Kinds of Contracts
10 USC 7311 - Repair or Maintenance of Naval Vessels: Handling of Hazardous Waste

29 CFR 1910 - Occupational Safety and Health Standards

31 USC 1301(a) - Application
31 USC 1341 - Limitations on Expending and Obligating Amounts
31 USC 1342 - Limitation on Voluntary Services
31 USC 1349 - Adverse Personnel Actions
31 USC 1517 - Prohibited Obligations and Expenditures
31 USC 1518 - Adverse Personnel Actions
31 USC 1535 - Agency Agreements

41 USC 23 - Orders or Contracts for Material Placed with Government-owned Establishments Deemed Obligations
41 USC 254 - Contract Requirements

ABS Guide for Building and Classing High Speed Naval Craft (2007)

CNAFINST 3500.71 - Flight Deck Certification

CNAP/CNALINST 9210.4 - Nuclear Propulsion Note 9200-2

CNRMCIINST 4700.3 - Unplanned Events, Critiques and Trouble Reports
CNRMCIINST 4700.7 - Total Ship Readiness Assessment (TSRA)
CNRMCIINST 4700.9 - Availability Quality Management Plan (QMP) Standard Operating Procedure (SOP)
CNRMCIINST 4790.2 - Submarine Regional Maintenance Center (RMC) Fleet Technical Support (FTS) Roles and Responsibilities

CNSFINST 4020.1 - Motor Gasoline (MOGAS) Certification Program for L-Class Ships

COMFLTFORCOM 181810Z Mar 03 - Establishment of Regional Maintenance Centers

COMLANTFLTINST 3500.18 - Certification and Readiness of Aviation Facilities in Naval Ships Operating Aircraft
COMLANTFLTINST 4100.3 - Navy Energy Usage Reporting System (NEURS)
COMLANTFLTINST 4700.1 - Navy Afloat Maintenance Training Strategy (NAMTS) Job Qualification Requirements (JQR) Management
COMLANTFLTINST 5400.2 - U.S. Atlantic Fleet Regulations

COMLANTFLT OPORD 2000

COMNAVAIRFORINST 4700.23 - Aircraft Carrier Maintenance Support Centers (MSC) Policy and Procedures
COMNAVAIRFORINST 4790.1 - Commander Naval Air Forces Surface Maintenance and Material Management (3-M) System Manual
COMNAVAIRFORINST 4790.2 - Naval Aviation Maintenance Program
COMNAVAIRFORINST 9640.1 - Control of Habitability Improvements in Aircraft Carriers

COMNAVAIRLANTINST 3400.4 - Air Department Standard Operating Procedures
COMNAVAIRLANTINST 3500.20 - Aircraft Carrier Training and Readiness Manual
COMNAVAIRLANTINST 4790.34 - Electrostatic Discharge (ESD) Control Program
COMNAVAIRLANTINST 4790.40 - Aircraft Launch and Recovery Equipment Maintenance Program (ALREMP)
Management Teams
COMNAVAIRLANTINST 4790.42 - CV/CVN Intermediate Maintenance Activity (IMA) Module Test and Repair
Facility (MTRF)

COMNAVAIRLANTINST 9080.2 - Conduct of Trials and Inspections Incident to Construction, Overhauls or
Availabilities of Nuclear Powered Aircraft Carriers (CVN)
COMNAVAIRLANTINST 9090.2 - Conduct of Shipyard Trials and Inspections Incident to Service Life Extension
Program (SLEP), Overhauls or Availabilities of Conventionally Powered Aircraft Carriers

COMNAVAIRLANTINST 13650.1 - Individual Material Readiness List (IMRL) Program

COMNAVAIRPACINST 3400.4 - Air Department Standard Operating Procedures
COMNAVAIRPACINST 3500.20 - Aircraft Carrier Training and Readiness Manual
COMNAVAIRPACINST 4790.39 - Aircraft Launch and Recovery Equipment Maintenance Program (ALREMP)
Management Teams
COMNAVAIRPACINST 4790.54 - CV/CVN Intermediate Maintenance Activity (IMA) Module Test and Repair
Facility (MTRF)

COMNAVSEASYS COM WASHINGTON DC 03004Z FEB 09 - SISCAL Policy Guidance - Level 2 Calibrations
COMNAVSEASYS COM WASHINGTON DC 031440Z MAR 03 - Submarine Industrial EMC and EMI Control
Interim Guidance

COMNAVSUBFORINST C3500.2 - Continuous Training Manual
COMNAVSUBFORINST 5400.25 - Standard Submarine Supply Department Organization and Regulations Manual
COMNAVSUBFORINST 5400.29 - Standard Submarine Navigation/Operations Department Organization and
Regulations Manual
COMNAVSUBFORINST 5400.39 - Standard Submarine Organization and Regulations Manual (SORM)
COMNAVSUBFORINST 5400.40 - Standard Submarine Combat Systems Department Organization and
Regulations Manual (SSN)
COMNAVSUBFORINST 5400.41 - Standard Submarine SSBN 726 Class Weapons Department Organization and
Regulations Manual
COMNAVSUBFORINST 5400.47 - Standard Submarine Combat Systems Department Organization and
Regulations Manual (SSGN)

COMNAVSUBFOR OPORD 2000

COMNAVSURFLANTINST 3502.2 - Surface Force Training Manual
COMNAVSURFLANTINST 3540.18 - Engineering Department Organization and Regulation Manual (EDORM)
COMNAVSURFLANTINST 4400.1 - Surface Force Supply Procedures
COMNAVSURFLANTINST 4700.1 - Total Ship Readiness Assessment (TSRA)
COMNAVSURFLANTINST 4700.4 - Fleet Introduction Handbook

COMNAVSURFORINST 3120.1 - Zone Inspections
COMNAVSURFORINST 3540.1 - Engineering Operations Assessment, Training and Certification for
Conventionally Powered Surface Ships
COMNAVSURFORINST 3540.2 - Surface Force Engineering Readiness Process

COMNAVSURFPACINST 3501.4 - Aviation Readiness Evaluation (ARE) and Certification of Aviation Facilities
Onboard COMNAVSURFPAC Ships

COMNAVSURFPACINST 3502.2 - Surface Force Training Manual
COMNAVSURFPACINST 3540.13 - Engineering Department Organization and Regulation Manual (EDORM)
COMNAVSURFPACINST 4400.1 - Surface Force Supply Procedures
COMNAVSURFPACINST 4700.1 - Total Ship Readiness Assessment (TSRA)

COMPACFLTINST 4100.3 - Navy Energy Usage Reporting System (NEURS)
COMPACFLTINST 4700.5 - Navy Afloat Maintenance Training Strategy (NAMTS) Job Qualification Requirements (JQR) Management
COMPACFLTINST 4710.6 - Policy for Accomplishment of Ship Repair Work in WESTPAC
COMPACFLTINST 5400.3 - U.S. Pacific Fleet Regulations
COMPACFLTINST 9830.1 - Certification of Aviation Facilities in Naval Ships Operating Aircraft

COMPACFLTINST 4700.5/COMLANTFLTINST 4700.1 - Navy Afloat Maintenance Training Strategy (NAMTS) Job Qualification Requirements (JQR) Management

COMPACFLT OPORD 201

COMSEVENTHFLT OPORD 201

COMSUBFORINST 3500.22 - SSGN Operational Cycle, Training and Certification Management
COMSUBFORINST 4720.15 - Submarine C5ISR Modernization Policy
COMSUBFORINST C5400.30 - Engineering Department Organization Manual
COMSUBFORINST C5400.38 - Standard Submarine Organization and Regulations Manual (SSBN)
COMSUBFORINST C5400.39 - Standard Submarine Organization and Regulations Manual (SSN)
COMSUBFORINST C5400.48 - Standard Submarine Organization and Regulations Manual (SSGN)
COMSUBFORINST C9460.3 - Coordinated Submarine Radiated Noise Analysis

COMSUBLANTINST 3540.10 - Periodic Monitoring of Submarines and Support Facilities
COMSUBLANTINST 4406.1 - Submarine Supply Procedures Manual
COMSUBLANTINST 4419.1 - Module Screening and Repair Activity (MSRA) Repairables Management Procedure
COMSUBLANTINST 5400.4 - Submarine Force, U.S. Atlantic Fleet Regulations
COMSUBLANT/COMSUBPAC C3500.21 (Ser) - SSN Fleet Response Training Plan (FRTP) Management
COMSUBLANT/COMSUBPACINST 3502.1 - Submarine Force Internal Monitoring and Critiques
COMSUBLANT/COMSUBPACINST 6470.5 - Submarine Radiation Health Manual
COMSUBPACINST 3540.10 - Periodic Monitoring of Submarines and Support Facilities
COMSUBPACINST 4406.1 - Submarine Supply Procedures Manual
COMSUBPACINST 5400.7 - Submarine Force, U.S. Pacific Fleet Regulations
COMSUBPACINST C5400.30 - Engineering Department Organization Manual
COMSUBPACINST 9460.4 - Submarine Towed Array Operations

COMSUBLANTNOTE C3120 - Submarine Operating Restrictions and Depths Authorizations
COMSUBPACNOTE C3120 - Submarine Operating Restrictions and Depth Authorizations
COMSUBPACNOTE 9086 - COMSUBPAC Engineering Notes and Technical Notes

COMUSFLTFORCOM/COMPACFLTINST 3501.3 - Fleet Training Continuum
COMUSFLTFORCOMINST/COMPACFLTINST 4720.3 - Commander United States Fleet Forces Command (COMUSFLTFORCOM)/Commander Pacific Fleet (COMPACFLT) C5ISR Modernization Policy

CSL/CSPINST 9010.5 - Total Ship Readiness Assessment (TSRA)

DCAAM 7640.1, July 2004 Edition - DCAA Contract Audit Manual (CAM) Chapter 9-1004.2

DD Form 1638 - Report of Disposition of Contractor Inventory

DFARS 201.4 - Deviations From the FAR
DFARS 206.302-2 - Unusual and Compelling Urgency
DFARS 211 - Describing Agency Needs
DFARS 217.71 - Master Agreement for Repair and Alteration of Vessels
DFARS 217-7104 - Clauses
DFARS 219 - Small Business Programs
DFARS 222 - Application of Labor Laws to Government Acquisitions
DFARS 222.101 - Labor Relations
DFARS 245.301 - Definitions
DFARS 245.302 - Providing Facilities
DFARS 245.505 - Records and Reports of Government Property
DFARS 245.6 - Reporting, Redistribution and Disposal of Contractor Inventory
DFARS 245.608-70 - Contractor Inventory Redistribution System (CIRS)
DFARS 245.7001 - Selection, Appointment and Termination
DFARS 245.7002 - Duties and Responsibilities of Plant Clearance Officers
DFARS 252 - Solicitation Provisions and Contract Clauses
DFARS 252.217-7012 - Master Ship Repair Agreement (MSRA) Liability and Insurance
DFARS 252.217-7015 - Compliance With OSHA Regulations

DFARS Part 217 - Special Contracting Methods
DFARS Part 245 - Government Property

DoD Financial Management Policies and Procedures Regulation 7000.14-R – Volume 1, Chapter 9
DoD Financial Management Regulation 7000.14-R - Volume 4, Chapter 20
DoD Financial Management Regulation 7000.14-R - Volume 4, Chapter 21
DoD Financial Management Regulation 7000.14-R - Volume 12, Chapter 9
DoD 7000.14-R - Volume 14 - Administrative Control of Funds and Anti-Deficiency Act Violations
DoD Automation Resources Manual 7950.1-M
DoD Directive 5000.1 - The Defense Acquisition System
DoD Directive 5500.7 - Standards of Conduct
DoD Directive 7200.1 - Administrative Control of Appropriations
DoD Directive 7220.1 - Regulations Governing the Use of Project Orders
DoD Financial Management Policy Manual
DoD Manual 4161.2 - Manual for Performance of Government Property Administration
DoDINST 5000.2 - Operation of the Defense Acquisition System
DoD-STD-2003 - Military, Standard, Electric Plant Installation Standard Methods for Surface Ships and Submarines

FAR 4.802 - Contract Files
FAR 6.302-2 - Unusual and Compelling Urgency
FAR 9.1 - Responsible Prospective Contractors

FAR 11.104 - Use of Brand Name or Equal Purchase Descriptions
FAR 14.201-1 - Uniform Contract Format
FAR 14.204-1 - Records of Invitations for Bids and Records of Bids

FAR 42.2 - Contract Administration Services
FAR 42.201 - Contract Administration Responsibilities
FAR 42.3 - Contract Administration Office Functions
FAR 42.302 - Contract Administration Functions

FAR 45.102 - Policy
FAR 45.301 - Definitions
FAR 45.302 - Providing Facilities
FAR 45.303 - Providing Material
FAR 45.306 - Providing Special Tooling

FAR 45.307 - Providing Special Test Equipment
FAR 45.310 - Providing Agency Peculiar Property
FAR 45.4 - Contractor Use and Rental of Government Property
FAR 45.5 - Management of Government Property in Possession of the Contractor
FAR 45.6 - Scope of Subpart

FAR 52.232-16 - Progress Payments Clause
FAR 52.245-2 - Government Property (Fixed Price Contracts)
FAR 52.245-4 - Government-Furnished Property (Short Form)

FAR 203

FAR Part 1.3 - Agency Acquisition Regulations
FAR Part 1.4 - Deviations
FAR Part 1.6 - Career Development, Contracting Authority and Responsibilities
FAR Part 2.1 - Definitions
FAR Part 9 - Contractor Qualifications

FAR Part 14 - Sealed Bidding
FAR Part 15 - Contracting by Negotiation
FAR Part 16 - Types of Contracts

FAR Part 31 - Contract Cost Principles and Procedures

FAR Part 42 - Contract Administration and Audit Services
FAR Part 43 - Contract Modifications
FAR Part 44 - Subcontracting Policies and Procedures
FAR Part 45 - Government Property
FAR Part 46 - Quality Assurance
FAR Part 49 - Termination of Contracts

FAR Part 52 - Solicitation Provisions and Contract Clauses

Federal Acquisition Regulation (FAR)

Fleet Modernization Program (FMP) Management and Operations Manual - Revision 2
Fly-By-Wire Ship Control System Certification Boundary Book (ship specific)

FMP Manual Section 4-11 - Procedures for Ships Selected Records

INSURVINST 4730.1 - Material Inspections (MI) of Surface Ships
INSURVINST 4730.2 - Trials and Material Inspections of Submarines
INSURVINST 4730.3 - Trials of Surface Ships
INSURVINST 4730.8 - Reports of Trials, Material Inspections and Survey Conducted by INSURV
INSURVINST 4730.11 - Preparation of Deficiency Forms

Integrated Project Teams for Aircraft Carrier Maintenance Handbook

LPD 17 MOGAS System Technical Manual

Maintenance Index Page 4721/081 - Passive Countermeasure System (PCMS)

Maintenance Plan 4100-02-01 - Command and Control System (CCS) Electromagnetic Interference (EMI) Testing

MIL-HDBK-263 - Electrostatic Discharge Control Handbook for Protection of Electrical and Electronic Parts, Assemblies and Equipment

MIL-HDBK-773 - Electrostatic Discharge Protective Packaging

MIL-P-24534 - Planned Maintenance System: Development of Maintenance Requirement Cards, Maintenance Index Pages, and Associated Documentation

MIL-S-24340 - Polyurethane (Polyether Base) Deck Sealing Compound

MIL-STD-130 - Identification Marking of U.S. Military Property

MIL-STD-413 - Visual Inspection Guide for Elastomeric O-rings

MIL-STD-438 - Schedule of Piping, Valves, Fittings, and Associated Piping Components for Submarine Service

MIL-STD-767 - Cleaning Requirements for Special Purpose Equipment, Including Piping Systems

MIL-STD-777 - Schedule of Piping, Valves, Fittings, and Associated Piping Components for Naval Surface Ships

MIL-STD-792 - Identification Marking Requirements for Special Purpose Components

MIL-STD-1330 - Standard Practice for Precision Cleaning and Testing of Shipboard Oxygen, Helium, Helium-Oxygen, Nitrogen and Hydrogen Systems

MIL-STD-1388 - Logistic Support Analysis

MIL-STD-1625 - Safety Certification Program for Drydocking Facilities and Shipbuilding Ways for U.S. Navy Ships

MIL-STD-1627 - Bending of Pipe or Tube for Ship Piping Systems

MIL-STD-1680 - Installation Criteria for Shipboard Secure Electrical Information Processing Systems

MIL-STD 1686 - Electrostatic Discharge Control Program for Protection of Electrical and Electronic Parts, Assemblies and Equipment

MIL-STD-1689 - Fabrication, Welding and Inspection of Ship's Structures

MIL-STD-2039 - Field Changes and Field Change Kit Preparation

MIL-STD-2041 - Control of Detrimental Materials

MIL-STD-2132 - Nondestructive Examination Requirements for Special Applications

MS 6310-081-015 - Submarine Preservation

N6-NTSP-S-70-8003 - Navy Training System Plan (NTSP) for Electromagnetic Interference (EMI) Control

NASM 7838 - Bolts, Internal Wrenching

National Archives and Records Administration General Records Schedules, General Records Schedule 8 - Stores, Plant and Cost Accounting Records

National Fire Protection Association Codes and Standards 306 - Standards for the Control of Gas Hazards on Vessels

NAVAIR 00-25-100 - Naval Air System Command Technical Manual Program

NAVAIR 01-1A-23 - Electronic Assembly Repair Standard Maintenance Practice

NAVAIR 13-1-6.1 - Aviation Crew Systems, Chapter 7 (LRU 13/A)

NAVAIR 17-15-99 - Operations and Maintenance O and I Level

NAVAIR 17-1-127 - Periodic Proofload Testing of Weapons Support Equipment W/IPB

NAVAIR 17-35MTL-1 - Metrology Requirements List

NAVAIR 17-35NCA-1 - Navy Calibration Activity (NCA) List

NAVAIR 17-35QAL-15 - Naval Aircraft Carrier and Amphibious Assault Ships Metrology and Calibration (METCAL) Program Manual

NAVAIR 17-600-193-6-1 - Pre-operational Check List

NAVAIR 17-600-193-6-2 - Periodic Maintenance Requirements Manual

NAVAIR AD-700A1-MDB-000 - Recovery Assistance Traversing (RAST) System
NAVAIR A6-332AO-GYD-000 - Laboratory and Aviators Breathing Oxygen Field Guide

NAVAIRINST 3120.1 - Lead Systems Command Procedures and Responsibilities for Certification of Aviation Facilities and Equipment in Naval Ships Operating Aircraft
NAVAIRINST 13640.1 - NAVAL Aviation Metrology and Calibration (METCAL) Program
NAVAIRINST 13800.11 - Procedures and Responsibilities for Certification and Verification of the Precision Approach and Landing System

NAVCOMPT Form 2168/1 - Expense Operation Budget
NAVCOMPT Form 2275 - Orders for Work and Services
NAVCOMPT Manual - Paragraph 035400-035452
NAVCOMPT Manual - Volume 2
NAVCOMPT Manual - Volume 3, Appropriation, Cost, and Property Accounting (Field)

NAVCOMPTINST 7000.38 - Productivity Enhancing Incentive Fund (PEIF)/The Productivity Enhancement Capital Investment Fast Payback Program

NAVEDTRA 10500 - Catalog of Navy Training Courses
NAVEDTRA 43241 - Personnel Qualification Standard for Ship's Maintenance and Material Management (3-M) System
NAVEDTRA 43523 - Personnel Qualification Standard for Quality Maintenance Program

NAVFAC Manual MO-322 - Inspection Guides, Structural, Mechanical and Electrical
NAVFAC P-307 - Management of Weight Handling Equipment
NAVFAC Technical Publication DM-29 - Drydocking Facilities

NAVICPINST 4355.5 - Receipt, Inspection, Storage and Issue of Level I/SUBSAFE Material
NAVICPINST 4441.170 - COSAL Use and Maintenance Manual

NAVORD OP 4 - Ammunition Afloat

NAVPER 18068 - Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards

NAVSEA ACD 05T1-05 - PCMS Access, Material Control and Disposal Manual
NAVSEA ACD/J 05T1-05 - PCMS Access, Material Control and Disposal Manual (Japan)
NAVSEA CERT 05P1 - Passive Countermeasure System (PCMS) Regional Maintenance Center Certification Plan

NAVSEA Contracts Handbook (NCH) - Master Agreement for Repair and Alteration of Vessels
NAVSEA Contracts Handbook (NCH), Part 45 - Government Property

NAVSEA ltr - Ser 05T1/009 of 06 April 04, Passive Countermeasure System (PCMS) Waterfront Support Requirements for Regional Maintenance Centers
NAVSEA ltr - Ser 396A23/0641 of 25 June 93 - Trident Preservation Maintenance
NAVSEA ltr - Ser 92T124/006 of 14 Mar 02 - Preservation QA Requirements for In-Service Submarines

NAVSEA MS 6310-081-015 - Submarine Preservation
NAVSEA MS 7650-081-091 - Submarine Hull Inspection

NAVSEA OD 45845 - Metrology Requirements List (METRL)

NAVSEA OP-4 - Ammunition Afloat
NAVSEA OP 3347 - Ordnance Safety Precautions, U.S. Navy
NAVSEA OP 4098 - Handling Ammunition, Explosives and Hazardous Material with Industrial Materials Handling

Equipment

NAVSEA RIM 05T1-99 - PCMS Repair and Installation Methods

NAVSEA S-30-9412 - Passive Countermeasure System (PCMS) Naval Training System Plan

NAVSEA S9074-AQ-GIB-010/248 - Welding and Brazing Procedures and Performance Qualification

NAVSEA S9074-AR-GIB-010/278 - Requirements for Fabrication Welding and Inspection, and Casting Inspection and Repair for Machinery, Piping and Pressure Vessels

NAVSEA S9086-CH-STM-010 - NSTM Chapter 074 V1 (Welding and Allied Processes)

NAVSEA S9086-CH-STM-020 - NSTM Chapter 074 V2 (Nondestructive Testing of Metals, Qualification and Certification Requirements for Naval Personnel (Non-nuclear))

NAVSEA S9086-CH-STM-030 - NSTM Chapter 074 V3 (Gas Free Engineering)

NAVSEA S9086-CJ-STM-010 - NSTM Chapter 075 (Threaded Fasteners)

NAVSEA S9086-CM-STM-010 - NSTM Chapter 078 (Gaskets, Packing and Seals)

NAVSEA S9086-CN-STM-040 - NSTM Chapter 079 V4 (Damage Control; Compartment Testing and Inspection)

NAVSEA S9086-CQ-STM-010 - NSTM Chapter 081 R4 (Waterborne Underwater Hull Cleaning of Navy Ships)

NAVSEA S9086-CV-STM-010 - NSTM Chapter 086 (Command Technical Manual Management)

NAVSEA S9086-C4-STM-000 - NSTM Chapter 094 (Trials)

NAVSEA S9086-C6-STM-010 - NSTM Chapter 096 (Weights and Stability)

NAVSEA S9086-DA-STM-000 - NSTM Chapter 100 (Hull Structures)

NAVSEA S9086-GX-STM-020 - NSTM Chapter 220, V2 (Water Treatment)

NAVSEA S9086-GY-STM-010 - NSTM Chapter 221 (Boilers)

NAVSEA S9086-G1-STM-010 - NSTM Chapter 223, V1 (Submarine Storage Batteries - Lead Acid Batteries)

NAVSEA S9086-G3-STM-010 - NSTM Chapter 225 (Steam Machinery Controls Systems)

NAVSEA S9086-G9-STM-000 - NSTM Chapter 231 (Propulsion and SSTG Steam Turbines)

NAVSEA S9086-HB-STM-010 - NSTM Chapter 233 (Diesel Engines)

NAVSEA S9086-HC-STM-000 - NSTM Chapter 234 (Marine Gas Turbines)

NAVSEA S9086-HK-STM-010 - NSTM Chapter 241 (Propulsion Reduction Gears, Couplings, Clutches and Associated Components)

NAVSEA S9086-HN-STM-010 - NSTM Chapter 244 (Propulsion Bearings and Seals)

NAVSEA S9086-H7-STM-010 - NSTM Chapter 262 (Lubricating Oil)

NAVSEA S9086-KC-STM-010 - NSTM Chapter 300 (Electric Plant - General)

NAVSEA S9086-QN-STM-010 - NSTM Chapter 475 (Magnetic Silencing)

NAVSEA S9086-RJ-STM-010 - NSTM Chapter 504 (Pressure, Temperature and other Mechanical and Electromechanical Measuring Instruments)

NAVSEA S9086-RK-STM-010 - NSTM Chapter 505 (Piping Systems)

NAVSEA S9086-RQ-STM-010 - NSTM Chapter 510 (Heating, Ventilation, and Air Conditioning Systems for Surface Ships)

NAVSEA S9086-SP-STM-010 - NSTM Chapter 542 (Gasoline and JP-5 Fuel Systems)

NAVSEA S9086-SX-STM-010 - NSTM Chapter 550 (Industrial Gases; Generating, Handling, and Storage)

NAVSEA S9086-TA-STM-010 - NSTM Chapter 562 (Surface Ship Steering)

NAVSEA S9086-TD-STM-010 - NSTM Chapter 565 (Surface Ship Stabilizing Systems)

NAVSEA S9086-TK-STM-010 - NSTM Chapter 571 (Underway Replenishment)

NAVSEA S9086-TL-STM-000 - NSTM Chapter 572 (Shipboard Stores and Provision Handling)

NAVSEA S9086-TM-STM-000 - NSTM Chapter 573 (Booms)

NAVSEA S9086-TV-STM-010 - NSTM Chapter 581 (Anchoring)

NAVSEA S9086-TX-STM-010 - NSTM Chapter 583 (Boats and Small Craft)

NAVSEA S9086-T3-STM-010 - NSTM Chapter 588 (Aircraft Elevators)

NAVSEA S9086-T4-STM-010 - NSTM Chapter 589 (Cranes)

NAVSEA S9086-T8-STM-010 - NSTM Chapter 593 (Pollution Control)

NAVSEA S9086-UF-STM-010 - NSTM Chapter 600 (Structural Closures)

NAVSEA S9086-UU-STM-010 - NSTM Chapter 613 (Wire and Fiber Rope and Rigging)

NAVSEA S9086-VD-STM-010 - NSTM Chapter 631 (Preservation of Ships In-Service - General)

NAVSEA S9086-VF-STM-010 - NSTM Chapter 633 (Cathodic Protection)

NAVSEA S9086-VG-STM-010 - NSTM Chapter 634 (Deck Coverings)

NAVSEA S9086-VH-STM-010 - NSTM Chapter 635 (Thermal, Fire and Acoustic Insulation)

NAVSEA S9086-WK-STM-010 - NSTM Chapter 670 (Stowage, Handling and Disposal of Hazardous General Use Consumables)

NAVSEA S9086-XG-STM-010 - NSTM Chapter 700 (Shipboard Ammunition Handling and Stowage)

NAVSEA S9086-ZN-STM-000 - NSTM Chapter 772 (Cargo and Weapons Elevators)

NAVSEA S9086-7G-STM-000 - NSTM Chapter 997 (Drydocking of Naval Vessels)

NAVSEA S9086-7G-STM-010 - NSTM Chapter 997 (Docking Instructions and Routine Work in Dry Dock)

NAVSEA 0348-LP-159-1000 - Freeze Sealing Manual (Nuclear)

NAVSEA 0387-LP-046-8000 - System Hydrostatic Test Requirements

NAVSEA 0900-LP-001-7000 - Fabrication and Inspection of Brazed Piping Systems

NAVSEA 0900-LP-016-7008 - Submarine Antenna Technical Documentation

NAVSEA 0900-LP-083-0010 - Naval Shipyard Quality Program Manual

NAVSEA 0900-LP-095-4010 - Ship Test and Evaluation Planning Guide

NAVSEA 0902-018-2010 - General Overhaul Specifications for Deep Diving SSBN/SSN Submarines (DDGOS)

NAVSEA 0924-062-0010 - Submarine Safety (SUBSAFE) Requirements Manual

NAVSEA 0948-LP-045-7010 - Material Control Standard

NAVSEA 0989-028-5000 - Manual for Control of Testing and Plant Conditions (Nuclear)

NAVSEA 0989-031-4000 - Reactor Plant Instrumentation and Control Equipment Maintenance

NAVSEA 0989-064-3000 - Cleanliness Requirements for Nuclear Propulsion Plant Maintenance and Construction

NAVSEA 0989-150-0000 - Standard Naval Nuclear Valves and Auxiliary Equipment

NAVSEA 0989-LP-026-1000 - A4W/A1G Reactor Plant Manual

NAVSEA 0989-LP-030-7000 - Lifting Standard

NAVSEA 0989-LP-037-2000 - Commissioned Submarine General Reactor Plant Overhaul and Repair Specifications

NAVSEA 0989-LP-040-6000 - Air Flask Inspection and Maintenance Requirements (Nuclear)

NAVSEA 0989-LP-043-0000 - Commissioned Surface Ship General Reactor Plant Overhaul and Repair Specification

NAVSEA 0989-LP-058-0000 - AS/AD Tender Nuclear Support Facilities Preventive Maintenance Index

NAVSEA 0989-LP-058-1000 - Destroyer Tender and Submarine Tender Nuclear Support Facilities Overhaul and Repair Specification

NAVSEA 0989-LP-062-4000 - Naval Nuclear Quality Control Manual for Shipyards

NAVSEA 250-1500-1 - Welding Standard

NAVSEA 389-0153 - Radiological Controls

NAVSEA 389-0288 - Radiological Controls

NAVSEA 389-0317 - Procedures for Maintenance and Repair of Naval Reactor Plants (Nuclear)

NAVSEA 392-0755 - Seal Welding Manual (Nuclear)

NAVSEA 4350.2 - Contract Work Onboard Nuclear-Powered Ships

NAVSEA 6310-081-015 - Technical Handbook for Special Hull Treatment Maintenance and Repair for Submarines

NAVSEA S0005-AA-GYD-030 - Technical Manual Users Quick Reference Guide

NAVSEA S0005-AA-PRO-010/TMMP - NAVSEA Technical Manual Management Program Operations and Life Cycle Support Procedures

NAVSEA S0300-B2-MAN-010 - Supervisor of Shipbuilding, Conversion and Repair Operations Manual
NAVSEA S0400-AD-URM-010/TUM - Tag-Out Users Manual
NAVSEA S0600-AA-PRO-010 - Underwater Ship Husbandry Manual
NAVSEA S0600-AA-PRO-230 - Underwater Ship Husbandry Manual, Chapter 23: Submarine Predeployment Noise Inspections
NAVSEA S0600-AA-PRO-280 - Underwater Ship Husbandry Manual, Chapter 28: Pollution Prevention
NAVSEA S5475-AL-PRO-010 - Principles and Procedures for Magnetic Treatment of Ships
NAVSEA S6152-B1-CAT-010 - Laundry and Dry Cleaning Equipment Catalog
NAVSEA S6161-Q5-CAT-010 - Naval Shipboard Food Service Equipment Catalog
NAVSEA S6470-AA-SAF-010 - Gas Free Engineering Manual
NAVSEA S8800-00-GIP-000 NAVSEA Guidance Handbook for Intermediate Maintenance Activity Technical Library Personnel

NAVSEA S9002-AK-CCM-010/6010 - Industrial Ship Safety Manual for Submarines
NAVSEA S9008-AA-PRO-010 - Lifeboat, Inflatable, MK6, MK7, and MK8 Inspection, Test and Repair Procedures
NAVSEA S9040-AA-GTP-010 - Shipboard Systems Certification Requirements for Surface Ship Industrial Periods (Non-Nuclear)
NAVSEA S9040-AC-IDX-010 - Ships 3-M Reference Information CD
NAVSEA S9073-A4-SNC-010 - USS LOS ANGELES (SSN 688) Class Acoustic Stealth Manual
NAVSEA S9073-AF-SNC-010(C) - Ship Noise Control
NAVSEA S9073-AW-SNC-010 - Ship Acoustical Surveys for Submarines
NAVSEA S9081-AB-GIB-010 - Reliability Centered Maintenance Handbook
NAVSEA S9092-AC-ADM-010 - Industrial Test Program Administration Manual
NAVSEA S9095-AD-TRQ-010/TSTP - Total Ship Test Program Manual
NAVSEA S9165-AC-HBK-010 - Submarine Sonar Dome Handbook
NAVSEA S9213-33-MMA-000 - Radiological Controls for Ships
NAVSEA S9213-45-MAN-000 - Naval Nuclear Material Management
NAVSEA S9221-C1-GTP-010 - Main Boiler Repair and Overhaul (VOL I)
NAVSEA S9221-C1-GTP-020 - Main Boiler Repair and Overhaul (VOL II)
NAVSEA S9221-D2-MMA-010 - Steam Generating Plant Inspection (Non-Nuclear)

NAVSEA S9223-AF-MMO-010 - Submarine Main Storage Battery Technical Manual
NAVSEA S9233-CJ-HBK-010 - U.S. Navy Diesel Engine Inspectors Handbook, Part 1 (Inspection Procedures)
NAVSEA S9233-CJ-HBK-020 - U.S. Navy Diesel Engine Inspectors Handbook, Part 2 (Technical Information)
NAVSEA S9425-AW-PRO-010 - Submarine Pressure Test, Evacuation/Charge and Dew Point Test Procedures
NAVSEA S9425-CF-STD-010 - Submarine Antenna/Periscope and Mast Materials
NAVSEA S9425-CG-STD-010 - Installation Standards for Submarines
NAVSEA S9475-AC-PRO-010 - Degaussing Forms, Records and Reporting Procedures

NAVSEA S9505-AF-MMA-010 - Submarine Non-Nuclear Piping Systems Test Manual
NAVSEA S9505-AM-GYD-010 - Submarine Fastening Criteria (Non-Nuclear), Description, Design and Maintenance
NAVSEA S9510-AB-ATM-010 - Nuclear Powered Submarine Atmosphere Control Manual, Volume 1
NAVSEA S9510-AB-ATM-020 - Nuclear Powered Submarine Atmosphere Control Manual, Volume 2

NAVSEA S9515-A1-MMO-010/020/030 - Automated Electrolytic Oxygen Generator (AEOG) Treadwell Corporation Preliminary Technical Manual, Volumes 1, 2 and 3
NAVSEA S9515-A4-MMA-010/020 - Low Pressure Electrolyzer (LPE) Oxygen Generator Technical Manual Volumes 1 and 2
NAVSEA S9515-AA-MMO-010 - Electrolytic Oxygen Generator 6L16; Vol 1
NAVSEA S9515-AA-MMO-021 - Electrolytic Oxygen Generator 6L16; Vol 2, Chapter 5, Part I
NAVSEA S9515-AA-MMO-022 - Electrolytic Oxygen Generator 6L16; Vol 2, Chapter 5, Part II
NAVSEA S9515-AA-MMO-030 - Electrolytic Oxygen Generator 6L16; Vol 3
NAVSEA S9515-AA-MMO-040 - Twelve-Pulse Hexagon Power Supply for Electrolytic Oxygen Generator, 6L16; Installation, Operation & Maintenance
NAVSEA S9515-AL-MMA-010/020 - Integrated Low Pressure Electrolyzer (ILPE) Preliminary Technical Manual,

Volumes 1 and 2

NAVSEA S9520-AA-MMA-010 - Repair of Submarine Seawater Ball Valves (Non-Nuclear)
 NAVSEA S9522-AA-HBK-010 - Description, Operation and Maintenance Handbook for Magazine Sprinkler Systems
 NAVSEA S9534-AD-MMA-010 - Steam Reboiler Maintenance
 NAVSEA S9560-CH-SCB-010 - VIRGINIA Class Submarine Fly-By-Wire Ship Control System Certification Boundary Book
 NAVSEA S9560-CK-SCB-010 - SEAWOLF Class Submarine Fly-By-Wire Ship Control System Certification Boundary Book
 NAVSEA S9587-AT-MMA-010 - Electronic Controls Charging System Tech Manual
 NAVSEA S9587-B1-MMA-010 - Catapult Steam Support Systems for CV/CVN Class Ships; Description, Operation and Maintenance
 NAVSEA S9592-B3-MAN-010 - Dry Deck Shelter Systems Scope of Certification Notebook, Volume I

NAVSEA S9600-AD-GTP-010 - U.S. Navy Shipboard Furniture Catalog
 NAVSEA S9810-AA-GTP-010 - Intermediate Maintenance Activity Work Center Requirements Manual

NAVSEA S9AA0-AB-GOS-010 - General Specifications for Overhaul of Surface Ships (GSO) 2004 Edition
 NAVSEA S9AA0-AB-GOS-030 - General Specifications for Overhaul of Surface Ships (GSO) AEGIS Supplement
 NAVSEA S9SSN-W4-SSM-PA0/C688CLV7 - SSN688 Class Ship Systems Manual, Vol 7

NAVSEA SE004-AK-TRS-010 - Standard Maintenance Practices 2M Electronic Assembly Repair
 NAVSEA SE300-AZ-MMA-010 - Description, Operation and Maintenance SSN 21 Class Sonar Bow Dome
 NAVSEA SE300-MA-MMA-011 - Glass Reinforced Plastic (GRP) Bow Sonar Dome
 NAVSEA SE400-DA-MMO-010 - Passive Countermeasure System (PCMS) Technical Manual

NAVSEA SG420-AP-MMA-010 - Periodic Testing Arrangements for Ordnance Handling Equipment

NAVSEA SI 0009-60 - Schedule and Associated Reports for Availabilities over 9 Weeks in Duration
 NAVSEA SI 009-01 - General Criteria; Accomplish
 NAVSEA SI 009-04 - Quality Management System
 NAVSEA SI 009-07 - Procedures and Equipment Required for the Prevention of Fire

NAVSEA SI 009-08 - Fire Fighting and Fire Prevention

NAVSEA SI 009-99 - Ship Departure Report

NAVSEA SL720-AA-MAN-010/020 - Fleet Modernization Program (FMP) Management and Operations Manual
 NAVSEA SL720-AA-MAN-030 - Navy Modernization Process Management and Operation Manual (NMP MOM)
 NAVSEA SS521-AA-MAN-010 - U.S. Navy Diving and Manned Hyperbaric Systems Safety Certification Manual
 NAVSEA SS521-AG-PRO-010 - U.S. Navy Diving Manual
 NAVSEA SS750-AA-MMA-010 - Submarine Rescue Chamber (SRC), Modernized 850 Ft
 NAVSEA SS800-AG-MAN-010/P-9290 - System Certification Procedures and Criteria Manual for Deep Submergence Systems

NAVSEA ST000-A-IDX-010 - Test, Measurement and Diagnostic Equipment Index (TMDEI)
 NAVSEA ST700-AA-LST-010 - Navy Calibration Activity (NCA) List
 NAVSEA ST700-AM-GYD-010 - Metrology and Calibration (METCAL) Laboratory Requirements and Certification Guide

NAVSEA Standard Work Item 077-01 - Hazardous Waste Produced on Naval Vessels; control

NAVSEA T0300-AA-MMI-010 - Commercial Industrial Services (CIS) Manual

NAVSEA T9044-AD-MAN-010 - Requirements Manual for Submarine Fly-By-Wire Ship Control Systems

NAVSEA T9074-AS-GIB-010/271 - Requirements for Nondestructive Testing Methods
NAVSEA T9074-AD-GIB-010/1688 - Requirements for Fabrication, Welding and Inspection of Submarine Structure
NAVSEA T9512-AC-TRQ-010 - SS/SSN/SSBN Submarine Snorkel Systems

NAVSEA TE000-AA-MAN-010/2M - Certification Manual for Miniature/Microminiature (2M)/Module Test and Repair (MTR) Program

NAVSEA TL710-AB-MAN-010 - Depot Modernization Period (DMP) Procedures Manual

NAVSEA TW024-AA-ORD-010 - Unserviceable, Suspended, and Limited Use Ammunition

NAVSEA Technical Publication T-9630-AB-MMD-010/ALL USN HULLS - Corrosion Control Assessment and Maintenance Manual for Corrosion Control Information Management System (CCAMM for CCIMS)

NAVSEA Technical Specification 9090-100 - Planning Yard (PY) Representatives
NAVSEA Technical Specification 9090-100A - Liaison Action Record
NAVSEA Technical Specification 9090-310 - Ship Alteration Accomplishment by Installation Teams

NAVSEA STD DWG 213-4362626 - Lagging and Insulation Schedule for Reactor Plant Systems
NAVSEA STD DWG 407-5287556 - Electronics Material Officer's Guide to Shipboard Electromagnetic Interference Control
NAVSEA STD DWG 514-8316912 - CVN 68 Reboiler Strength and Integrity Inspection
NAVSEA STD DWG 709-5549373 - Weapons Handling Equipment SSN 688 Class Test Loads/ Methods and Inspection Procedures
NAVSEA STD DWG 709-5549374 - Weapons Handling Equipment SSBN 726 Class Test Loads/Methods and Inspection Procedures
NAVSEA STD DWG 709-6633924 - Vertical Launch System Weapons Handling Equipment SSN 688 Class Test Loads/Methods and Inspection Procedures
NAVSEA STD DWG 709-6726350 - Weapons Handling Equipment SSN 21 Class Test Loads/Methods and Inspection Procedures

NAVSEA STD DWG 803-5000902 - Safety Net, Deck Edge, Steel Frame and Nets
NAVSEA STD DWG 803-5184097 - Safety Net, Deck Edge, Aluminum Frame and Nylon Nets
NAVSEA STD DWG 803-5959209 - Aircraft Deck Tiedown Fittings
NAVSEA STD DWG 804-1213717 - Vehicle Tiedown Deck Fittings
NAVSEA STD DWG 804-5184163 - Trunk Safety Nets
NAVSEA STD DWG 805-1639000 - Deck Screw Reversible Eyebolts
NAVSEA STD DWG 805-1645271 - Portable Davits
NAVSEA STD DWG 805-1916300 - Aircraft Securing and Engine Run-up Fittings
NAVSEA STD DWG 805-2276338 - Cleats
NAVSEA STD DWG 805-921806 - Installation of Planking on Deck Plating
NAVSEAINST 3960.4 - Implementation of Total Ship Test Program for Ship Production
NAVSEAINST 3960.5 - Policy on Ship Testing

NAVSEAINST 4130.9 - Configuration Control Procedures For Preparation of Ordnance Alterations (ORDALTS) to Expendable and Non-Expendable Items
NAVSEAINST 4160.3 - Technical Manual Management Program
NAVSEAINST 4200.17 - Contracting Officer's Representative
NAVSEAINST 4280.2 - Master Agreement for Repair and Alteration of Vessels, Master Ship Repair Agreement (MSRA) and Agreement for Boat Repair (ABR)
NAVSEAINST 4355.7 - Nondestructive Test (NDT) Examiner Qualification and Requalification
NAVSEAINST 4441.2 - Changes to Coordinated Shipboard Allowance List (COSAL); Procedures for

NAVSEAINST 4700.6 - Guarantee Engineer and Industrial Availability Quality Assessment
NAVSEAINST 4700.17 - Preparation and Review of Trouble Reports

Section	Area of Responsibility	Responsibility
VI-35-3.1	RMC I-Level Maintenance Capabilities	<ul style="list-style-type: none"> • Approve changes, additions and deletions to the I-Level Capabilities Matrix • Approve recommended changes to the NAMTS NEC At-Sea Requirements Matrix • Approve and forward, with endorsement, NAMTS NEC modifications as developed and recommended by CNRMC • Review, approve and submit Billet Change Requests developed by CNRMC to support sea/shore rotation requirements • Request additions and deletions to the I-Level capabilities and/or corresponding capacities at each RMC based on utilization metrics and written Business Case Analysis to the cognizant Fleet Commander • Ensure full utilization of the full range of organic RMC I-Level capability • Establish and communicate work priorities to CNRMC and cognizant RMCs. Resolve work priority conflicts as necessary • Regularly assess NAMTS maintenance skills required on respective afloat units • Approve CNRMC recommended, or recommend additional changes to specific NAMTS maintenance skills and required training for billets on respective afloat units • In collaboration with CNRMC, review and recommend NAMTS NEC At-Sea Requirements Matrix revisions to the cognizant Fleet Commander(s) • Review and approve establishment and disestablishment of MATs, as recommended by CNRMC. Optimize utilization of MATs capacity within existing total I-Level workload in each cognizant RMC
VI-42.6.1	Material Assessment	<ul style="list-style-type: none"> • Maintain a common material assessment process and policy • Be the Fleet's advocate and single point of contact for all material assessment issues • Provide and support a standard material assessment tool set • Review the personnel and monetary resources required • Establish minimum standards of continuous program improvements

Type Commander (TYCOM)

Section	Area of Responsibility	Responsibility
FWD-7.3.2	Life Cycle Maintenance Process for JFMM	<ul style="list-style-type: none"> • Review and evaluate JFMM changes (21 days) • Notify Fleet Commanders of changes which affect ship and personnel safety • Review ACNs and forward to Fleet Commanders • Review and endorse all change packages • Designate representatives of JFMM BOD • Identify changes to JFMM distribution list
II-I-3.2.2	Early Start Concurrence	<ul style="list-style-type: none"> • Provide concurrence to execute an “early start” period
II-I-3.3.7.2	Maintenance Policies and Procedures	<ul style="list-style-type: none"> • Coordinate scheduling of availabilities with Fleet Commander • Initiate required budgetary actions • Coordinate work assignments between FMA and industrial activity • Seek resolution of technical problems and coordinate requirements for modernization and repair • Authorize AWP prepared by SUBMEPP • (Submarines) Coordinate interface 3-M system with PMR scheduling and feedback • Designate representative for WDC/PRC and pre-arrival conference • Recommend to CNO any high priority fleet modernization • (Submarines) Send a Sea Trials Support Services message, if required • (Submarines) For minor maintenance availabilities, send a Waiver of Escort Requirements message when requested by the ISIC • Conduct QA audit of Ship’s Force and FMA CWPs • (Submarines) For major availabilities send message for Fast Cruise, Sea Trials and Unrestricted Operations • (Submarines) For availabilities less than six months issue required message for Sea Trials
II-I-3.3.7.3a (All Ships)	Maintenance Policies and Procedures	<ul style="list-style-type: none"> • Assist TYCOM and SUBMEPP in preparation of AWP • Monitor corrective maintenance action taken • Schedule and conduct inspections of Forces Afloat • Monitor progress of CNO maintenance availabilities • Ensure that a MOA is executed prior to availability start

Section	Area of Responsibility	Responsibility
II-I-3.6.8.4.1d	Trials and Inspections	<ul style="list-style-type: none"> • Conduct periodic monitoring of ships • Conduct a Pre-Critical Inspection of the Engineering Department • Schedule a salvage inspection • Conduct a formal Phase I certification inspection of the ship's company • Prior to Fast Cruise, conduct a formal audit of Ship's Force REC and DFS records and CSMP • Witness and certify to the TYCOM that the state of crew training is satisfactory for at-sea operations • Conduct a material inspection of the ship • Report satisfactory completion of inspections to the TYCOM • Review the scope, schedule and agenda of tests for Sea Trials • Prior to Sea Trials, report the material certification of the ship to the TYCOM • Advise the TYCOM of escort requirements • Arrange for SRDRS to be on "modified alert" during Sea Trials • Provide updated Sea Trials status to COMSUBRON ELEVEN if "mod-alert" support services are in use • Provide an operation order • Arrange for the embarkation of technical personnel • Arrange for assignment of operating areas and communications frequencies • Assign a submarine qualified officer to act as TYCOM representative embarked during Sea Trials • When authorized by the TYCOM, grant permission for the Ship's CO to commence Sea Trials • Upon completion of Sea Trials, report to the TYCOM the status of Forces Afloat work performed within the SUBSAFE boundary
II-I-3.6.8.4.4b(3)	Pre-Critical Inspection	<ul style="list-style-type: none"> • Conduct a Pre-Critical Inspection within six weeks of intended criticality
II-I-3.6.8.4.7b(5)	Sea Trials	<ul style="list-style-type: none"> • Designate a minimum of one officer qualified in submarines and ensure a sufficient number of officers qualified in submarines will be embarked during the escort duty

Section	Area of Responsibility	Responsibility
II-I-4.4.1.1	Common Elements	<ul style="list-style-type: none"> • Coordinate scheduling of availabilities at LMAs • Monitor corrective maintenance action • Schedule and conduct inspections • Monitor progress • Initiate budgetary actions for funding availabilities • Alterations identified by priority based on material availability • Identify routine packages • Review results of monitoring inspections and testing • Identify special evolutions • Issue availability planning message • (Submarines) Ensure PMR and URO MRC actions are identified • (Submarines) Send Sea Trials Support Services message • (Submarines) Provide updated Sea Trials Status • (Submarines) Identify key events for each CMAV • (Submarines) Monitor Ship and Executing Activity preparations to transition to a CMAV period
II-I-4.5.4	Ship Certification Prior to Underway	<ul style="list-style-type: none"> • Perform 100% audit of FBW SCS Upgrades/Alterations or Major Repair Work
II-I-4.9.1	Interim Drydocking/Pre-Inactivation Restricted Availabilities (Submarines)	<ul style="list-style-type: none"> • Authorize new items and growth industrial work items • Monitor and approve changes in established milestones • Issue direction when Industrial Activity work is in question • Notify TYCOM when Ship's Force work can not be completed • Periodically monitor and assess shipboard conditions • ISIC QA officer will conduct audit of Ship's Force Re-entry Control and Departure from Specification Records • Conduct material inspection prior to Fast Cruise
IV-3.3.6	Boiler Inspections	<ul style="list-style-type: none"> • Maintain overall cognizance of SGPI Program • Schedule routine inspections • Arrange for availability of SGPI during CAI • Monitor follow-up action • Assist COs in arranging for corrective action when requested

Section	Area of Responsibility	Responsibility
IV-14.2.3	Magazine Sprinkler Inspection Requirements	<ul style="list-style-type: none"> • Ensure scheduling of Shipboard Explosive Safety Inspection • Follow-up on all discrepancies posted by verification activity • Act as sole grantor of all magazine sprinkler systems re-certification
IV-18.3.1	Submarine Salvage Inspection	<ul style="list-style-type: none"> • Submarine Salvage Inspection
IV-21.2.1	Submarine Oxygen Generating Plants	<ul style="list-style-type: none"> • Ensure assigned units are in compliance with paragraph 21.1.1 • Conduct periodic inspections and audits • Ensure PMT inspectors perform material inspections of the ship's EOGs
IV-23.2.2.6	Gas Turbine Engine Inspection	<ul style="list-style-type: none"> • Monitor the follow-up action to correct noted discrepancies by randomly sampling ship's files and reports • Assist Commanding Officers in arranging for corrective action items beyond the capability of Ship's Force
IV-26.2.2	Board of Inspection and Survey Material Inspections Policy	<ul style="list-style-type: none"> • (Surface Force Ships only) The ISIC, if deployed, will request assistance with inspection preparations • Monitor ship's preparation for MI • Surface Ships ISIC conduct an inspection readiness assessment prior to submitting reports • Ensure post inspection reporting procedures followed • Attend post-INSURV inspection critiques • Ensure subordinate commands are prepared for scheduled INSURV • Ensure ship is prepared to discuss deficiencies not corrected and items removed from CSMP • Ensure preparation for the sequence of accomplishing inspection underway demonstrations is conducted in advance of inspection • Monitor reporting and correction of MI deficiencies

Section	Area of Responsibility	Responsibility
V-I-1.4.1	Organizational Responsibilities	<ul style="list-style-type: none"> • Organize and implement a QA program • (Submarines) Organize and implement program to verify performance of required maintenance • Organize and implement a work request screening process • (Submarines) Review Ship's Force Controlled Work Packages • (Submarines) Ensure ship's certification continuity report is received before ship is underway • Review and sign MOA • (Submarines) Administer a DFS system • Monitor QA program and procedures • Schedule and conduct QA program assessment • Review and endorse TYCOM audit report • Conduct periodic monitoring of Ship's Force work and QA program • (Submarines) Perform annual SUBSAFE/SOC/FBW SCS awareness training • (Submarines) Conduct oral interview with Ship's Force relieving QAO • Ensure fact-finding critiques are held to establish causes of errors during maintenance • Provide sufficient time for crew training during Upgrades/Alterations or Major Repair Work on the FBW SCS • Conduct FBW SCS certification audits • Report by message, crew readiness and verification from the ISEA/activity performing work that work necessary for at-sea testing is complete • Certify to the TYCOM the FBW SCS material condition of parts installed, repaired and/or tested by the ISEA is satisfactory • Transmit a Submarine Material Transfer Message to the gaining ISIC for deploying/ deployed submarines when the unit out chops
V-I-2D-1	Formal Work Package Approval	<ul style="list-style-type: none"> • Review Ship's Force and RMC/FMA prepared CWPs • (Submarines) At the end of every FMA upkeep, verify all SUBSAFE deficiencies in the ship's CSMP have been corrected or have an appropriate DFS • (Submarines) Prior to submerged underway operations when submarines are in a port with an ISIC, the ISIC QAO shall complete a QA Pre-Underway Checklist
V-I-5.9.4c	Objective Quality Evidence to Support Controlled FBW SCS Work	<ul style="list-style-type: none"> • Perform 100% audit of FBW SCS Upgrades/Alterations or Major Repair Work

Regional Maintenance Center Commander

Section	Area of Responsibility	Responsibility
II-II-1.2.1	Surface Ship Maintenance	<ul style="list-style-type: none"> Overall responsibility for efficient planning, brokering and execution of all ship maintenance and modernization for assigned ships
IV-3.3.5	Boiler Inspections	<ul style="list-style-type: none"> Coordinate inspections in cognizant maintenance areas Maintain an up-to-date status of required steam generating plant inspections
IV-17.3.4	Steam Catapult Inspection	<ul style="list-style-type: none"> Provide a certified SGPI when requested by the ship, ISIC or TYCOM to conduct accumulator inspections
IV-23.2.2.5	Gas Turbine Engine Inspection	<ul style="list-style-type: none"> Coordinate inspections in cognizant maintenance areas Maintain an up-to-date status of required marine gas turbine system inspections
IV-27.3.4	Steam Boiler Inspection	<ul style="list-style-type: none"> Provide certified SGPIs to perform inspections
V-I-1.6.1	Quality Assurance for Maintenance, Repair and Alteration	<ul style="list-style-type: none"> Designate the RMC/FMA QAO (Submarines only) Provide a written report of certification Certify the qualifications of QA personnel Ensure the RMC/FMA has an effective audit and surveillance program Initiate a semi-annual evaluation of the RMC/FMA QA Program (Submarines) Implement all aspects of the SUBSAFE and FBW-SCS programs
V-I-1.6.3m	RMC/FMA Responsibilities	<ul style="list-style-type: none"> Ensure fact-finding critiques are held Contact the ISIC for issues that will result in a SUBSAFE critique

Section	Area of Responsibility	Responsibility
VI-2.6.2	Technical Assistance	<ul style="list-style-type: none"> • Ensure sufficient capability exists to provide timely response to all requests for technical assistance • Ensure RMC mission funds are used to fund all FTA efforts • Ensure technical support is provided to Fleet units. • Ensure the initial response to every FTA request is via Distance Support • Ensure personnel responding to a request for technical assistance are thorough in their review of the specific technical problem • Ensure acknowledgment and response to all FTA requests • Ensure personnel providing on-site technical assistance keep the cognizant ship's department head or designated representative informed • Ensure FTA data is required to be entered into the Common Submarine Problem/Maintenance Reporting System • Ensure a TAVR is submitted at the completion of an on-site FTA • Ensure an E-mail TAVR is required at the completion of an on-site FTA on Surface Force Ships/Carriers • Task other Source of Support provider who responds to an on-site FTA submit a TAVR or task them to provide the technical information for the cognizant RMC to generate a TAVR. • Ensure submission of a message report if an on-site assist visit is terminated • Track all requests for FTA using approved FTA software • Ensure technicians providing FTA to submarines are eligible for access to Sensitive Compartmented Information
VI-8.2.5	2M/MTR Fleet Coordinators	<ul style="list-style-type: none"> • Maintain qualified 2M/MTR Fleet Coordinators

Section	Area of Responsibility	Responsibility
VI-16.2.2.1.6	Habitability Improvement	<ul style="list-style-type: none"> • Assign project manager and petty officer supervision • Assign labor force for removal, space preparation and installation • Conduct training programs • Accept delivery, store and account for materials • Coordinate all required tag-out/in paperwork and Work Authorization Forms • Dispose of all retrograde material generated by the project • Report changes to Naval Inventory Control Point • Report completion to TYCOM • Ensure ship's selected records are updated
VI-18.6.1	Inflatable Life Rafts	<ul style="list-style-type: none"> • Submit OPNAV 4790/2K for any life raft requiring replacement or recertification • Maintain log or database of all life rafts onboard • Send report to NSWCCD/TYCOM if life raft is lost or transferred to another ship • Ensure life raft fiberglass containers are handled with care • Upon decommissioning contact designated Life Raft Contingency Pool • Requisition replacement life rafts when necessary
VI-23.3.3	Submarine Noise Reduction	<ul style="list-style-type: none"> • Establish and maintain Ship's Noise Reduction program • Appoint Senior Department Head as Noise Reduction Officer
VI-24.7.5	Periodic Maintenance Requirement Program	<ul style="list-style-type: none"> • Responsible for execution of PMR work on ship • Document discovered maintenance deficiencies • Maintenance deficiencies will reflect block 46 of OPNAV 4790/2K • Review Depot Availability Work Packages • Review status of PMR maintenance in SUBMEPP quarterly PMR schedules • Deficiencies in equipment covered by PMR should be documented • Ensure quarterly PMR schedules and inventories are carried onboard • Ensure MRCs, MSs and TRSs are referenced and used during equipment maintenance • Report repairs to PMR covered components to ISIC • Ensure completed AWRs and PMRs are signed as completed by Ship's Force • At the conclusion of an availability, provide to the ISIC the reason that any PMRs could not be accomplished

Section	Area of Responsibility	Responsibility
VI-25.3.4	Unrestricted Operations	<ul style="list-style-type: none"> • Ensure URO MRCs are accomplished within required periodicity • For visual inspections between URO MRC 003 inspections use Volume V, Part I, paragraph 5.4.3.d • Maintain auditable records of accomplishment of URO MRCs
VI-27.3.4	Scheduled Preservation Upkeep Coordinated Effort	<ul style="list-style-type: none"> • Ensure preservation is performed using procedures in references (c) and (e) • Ensure Ship's Force are relieved of all requirements except those necessary to maintain safety and security of ship • Designate SPRUCE manager • Ensure ship is divided into preservation zones • Submit completion letter to TYCOM
VI-28.6.5	Cableway Assessment	<ul style="list-style-type: none"> • Assign Ship's Force personnel for FMA cableway assessment repair training • Correct outstanding discrepancies • Within 30 days of completion enter all unrepaired category I discrepancies in CSMP
VI-37.5f	Regional Maintenance Center Passive Countermeasure System Support Requirements	<ul style="list-style-type: none"> • (Surface) Scheduling of PCMS activities within periodicity • Obtaining RMC SME assistance in reviewing work packages • Establishment and maintaining the following shipboard organization: PCMS Department Head; Command PCMS coordinator
VI-38.3.4	DSS Hull Integrity Procedures	<ul style="list-style-type: none"> • Ensure DSS HIPs are accomplished within required periodicity • Maintain auditable records of accomplishment of DSS HIPs
VI-40.5.3	(SUBS) Messages	<ul style="list-style-type: none"> • Track (SUBS) messages initiated by the ship • Respond to technical assistance (SUBS) messages • Use guidance of Chapter VI-2 to request technical assistance • Issue TEMPALT and SHIPALT (SUBS) messages

Quality Assurance Officer

Section	Area of Responsibility	Responsibility
V-I-FWD-App B	Loss of Traceability	<ul style="list-style-type: none"> • Initiate action to restore traceability or use alternate traceable material
V-I-1.5.12	Ship Responsibilities	<ul style="list-style-type: none"> • Administer ship's QA program • Review TWDs • Review FWPs • Verify the FWP specifies the correct OQE • Verify the testing requirements for controlled work are correct • Verify completed test results • Review and close out TWDs as required • Maintain record files as required • Determine suitability for use of material from another ship • Provide disposition instructions for rejected material • Obtain documentation for certified material • Provide technical services to Supply Officer • Authorize downgrading of material • Review requests for DFS • Maintain auditable file of outstanding DFS; audit active DFSs prior to underway • Maintain DFS files • Verify ship's mapping plans, selected records and drawings are updated as required • Submit DFS clearance reports • Manage ship's internal QA surveillance program • Ensure that QA training is conducted as required • Assess QA training • Implement formal qualification program • Conduct oral qualification interviews • Maintain master qualification list as required • (Submarines only) Verify reactor plant hull integrity area maintenance • (Submarines only) Verify REC is initiated for SUBSAFE boundary work as required • (Submarines only) Maintain SUBSAFE REC records including log • (Submarines only) Coordinate with ISIC and FMA to ensure URO MRC program is in accordance with requirements • (Submarines only) Retain QA form 34 as required • Review as many non-nuclear weld records as possible • Verify an active Job Control Number exists for all active temporary DFSs

Section	Area of Responsibility	Responsibility
V-I-1.5.12	Ship Responsibilities	<ul style="list-style-type: none"> • (Submarines) At the end of a scheduled FMA upkeep, verify all SUBSAFE deficiencies in the ship's CSMP have been corrected or have an appropriate DFS
V-I-1.6.11	RMC/FMA Responsibilities	<ul style="list-style-type: none"> • Organize and implement QA program within the RMC/FMA as required • Provide guidance and evaluate efforts to produce work of acceptable standards • Prepare QA procedures as required • Assist in QA audits as required • Provide QA training as required • Approve downgrading of controlled material • Determine suitability for use of controlled material as required • Provide disposition instructions for rejected material • Institute a formal qualification program for QA personnel • Train and qualify work center CMPOs/CMHs • Review RMC/FMA generated DFSs as required • Obtain documentation for certified material • Establish and coordinate procedures for material control • Review, open and close out TWDs as required • Review FWP • (Submarines only) Review and sign RPWAR • Develop QA training program • Maintain current master list of qualifications as required • Establish and administer RMC/FMA QA audit and surveillance program • Maintain QA records and files • Ensure all testing required for completion of TWD is complete and reviewed as required • Perform opening and closing reviews of CWP as required • Supervise QASs, QAIs, Cleanliness Inspectors/Certifiers, CMPOs/CMHs • Conduct QA audits • Maintain QA records and files
V-I-2.3.7.3	CWP Revisions	<ul style="list-style-type: none"> • Concur with addition of material
V-I-2.3.7.8	CWP Closeout	<ul style="list-style-type: none"> • Review CWP for correctness and completeness • Retain closed CWP
V-I-3.5.1	Maintenance Personnel Training	<ul style="list-style-type: none"> • Provide a list of training topics to ship's departments
V-I-3.5.2	Quality Assurance Training	<ul style="list-style-type: none"> • Establish a separate advanced training program for personnel as required
V-I-5.4.5.2c	Nuclear Steam Plant Cleanliness	<ul style="list-style-type: none"> • Upon loss of cleanliness, approve recovery procedure
V-I-5.6.4b(13)	Re-Entry Control	<ul style="list-style-type: none"> • Establish and maintain CWP/REC log

Section	Area of Responsibility	Responsibility
V-I-8.3.1c	Departure From Specification	<ul style="list-style-type: none"> • Ensure repair for DFS is entered in ship's CSMP
V-I-10.5.4	Qualification Records	<ul style="list-style-type: none"> • Maintain a master list of various qualified supervisors, planners, inspectors and instructors
V-I-10.7	FMA QA Record Retention	<ul style="list-style-type: none"> • Retain material certification and CWP log for life of ship • Maintain records not associated with CWPs as required • Maintain records of assessments, audits, surveillance and evaluations as required • Retain a copy of the last end of fleet maintenance availability certification report to tended submarines • Maintain a master list of qualified CMPOs, Controlled Material Handlers, Cleanliness Inspectors, QAIs, QASs, Oxygen Clean Workers and Oxygen Clean Instructors
V-III-6.3.4c and d	Receipt of SOC Material	<ul style="list-style-type: none"> • Certify MCD-A and MCD-B materials
V-III-6.5.4	Material Re-certification Following Transfer to Outside Agency	<ul style="list-style-type: none"> • Review vendor data, COC and test data
V-III-8.2.4a	Departure From Specification	<ul style="list-style-type: none"> • Ensure repair for DFS is entered in ship's CSMP
VI-18.7	Unserviceable/Rejected Life Rafts	<ul style="list-style-type: none"> • Verify the condition of the rejected life raft
VII-11.5.6.1c	Corrective Action Request	<ul style="list-style-type: none"> • Issue Method C letter when required

Quality Assurance Supervisor

Section	Area of Responsibility	Responsibility
V-I-1.6.13	Organizational Responsibilities	<ul style="list-style-type: none"> • Ensure all testing required for completion of CWP is complete and reviewed • Perform opening reviews of CWP • Perform closing reviews of CWP • Train and supervise QAIs, Cleanliness Inspectors/Certifiers, CMPOs/CMHs and other personnel • Conduct QA audits, surveillance and coordinate corrective actions • Maintain QA records and files including completed CWPs • Review DFS for accuracy and technical merit and forward to QAO
V-I-2.3.7.1	Formal Work Package Changes	<ul style="list-style-type: none"> • Make pen and ink changes to the QA forms in a CWP
V-I-2.3.7.3	Formal Work Package Revisions	<ul style="list-style-type: none"> • For FWPs executed as a part of the CWP, the QAO/QAS will concur with the addition of material
V-I-2.3.7.9	Emergent Controlled Work	<ul style="list-style-type: none"> • Continuously monitor the task and record all actions taken, if a FMA is involved
V-I-5.6.7	Re-Entry Control	<ul style="list-style-type: none"> • Inspect controlled assemblies
V-I-6.3.5.1b	Material Control	<ul style="list-style-type: none"> • File QA form 1 with all applicable documents
V-III-6.3.4c	Material Control	<ul style="list-style-type: none"> • File QA form 1 with all applicable documents