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JOINT FLEET MAINTENANCE MANUAL

FOREWORD

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 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. The term “Surface Ship” applies to all ships and craft except submarines and deep submersibles. When no specific platform is mentioned, the requirements apply to all platforms. In this context, 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) to reflect the fact that under Regional Maintenance the responsibility for, and the management of, repair facilities has moved to the Fleet.

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.

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

CLF/CPFINST 4720.3 - Management of Afloat Combat Systems and C4I Installations and Improvements

CNAFINST 3500.71 - Flight Deck Certification

CNAP/CNALINST 9210.4 - Nuclear Propulsion Note 9200-2

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 4700.10 - Policies and Procedures for Fleet Technical Support (Cancelled)
COMLANTFLTINST 5400.2 - U.S. Atlantic Fleet Regulations

COMLANTFLT OPORD 2000

COMLANTFLT/COMPACFLTINST 4720.3 - Management of Afloat Combat Systems and C4I Installations and Improvements

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 4700.4 - 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

COMPACFLTINST 4100.3 - Navy Energy Usage Reporting System (NEURS)
COMPACFLTINST 4341.1 - Fleet Technical Assistance (FTA) Program (Cancelled)
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 C5400.30 - Engineering Department Organization Manual
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
COMSUBPACINST 3540.10 - Periodic Monitoring of Submarines and Support Facilities
COMSUBPACINST 4406.1 - Submarine Supply Procedures Manual
COMSUBPACINST 4419.1 - Submarine Tender Supply Management Procedures for AN/BSY-1 Repairables
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

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) and MSMO Liability and Insurance Clause
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)

FGC 2200 - Outfit Logistics Support Requirements

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 4722/007 - 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-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-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 (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 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

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

NAVSEA Contracts Handbook (NCH) - Master Agreement for Repair and Alteration of Vessels

NAVSEA Contracts Handbook (NCH), Part 45 - Government Property

NAVSEA Itr - Ser 05T1/009 of 06 April 04, Passive Countermeasure System (PCMS) Waterfront Support Requirements for Regional Maintenance Centers

NAVSEA Itr - Ser 396A23/0641 of 25 June 93 - Trident Preservation Maintenance

NAVSEA Itr - 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-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-LP-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-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 - Guide for User Maintenance of NAVSEA Technical Manuals; NAVSEA Technical Manual Management Program

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-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 - Handbook for Fleet 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 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-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/(C) - 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-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 S9553-BS-OMP-010 - Oxygen Generating Plant (OGP) Preliminary Technical Manual, Volumes 1 and 2

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 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 - Ship Repair Scheduling

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 - Private Shipyard Contractual Item to Provide Departure Reports

NAVSEA SL720-AA-MAN-010/020 - Fleet Modernization Program (FMP) Management and Operations Manual

NAVSEA SL720-AA-MAN-030 - Navy Modernization Process Management and Operations Manual

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 ST700-AM-PRO-010 - Test and Monitoring Systems (TAMS) Program Operations and Procedures

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 Revision 2 - 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 9090-310 - Ship Alteration Accomplishment by Alteration Installation Teams (AIT)

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

NAVSEAINST 4710.13 - Government Man-day Rates for Use in Private Sector Ship Overhaul and Repair, Planning, Programming and Budgeting
NAVSEAINST 4710.6 - Submarine Advanced Equipment Repair Program (AERP); Assignment of Responsibilities for and Administration of
NAVSEAINST 4710.8 - Cost and Performance Reporting for CNO Scheduled Ship Maintenance Availabilities
NAVSEAINST 4710.9 - Requirements for Turnover of Planning Products and Specification Package
NAVSEAINST 4720.14 - Temporary Alterations to Active Fleet Submarines; Control of
NAVSEAINST 4720.15 - Machinery Alterations on HM&E Equipment and Systems
NAVSEAINST 4720.23 - Deep Submergence Systems Temporary Modifications

NAVSEAINST 4730.1 - Shipyard Inspection and Required Conditions of Propulsion Plant Systems (Non-Nuclear) on Nuclear Powered Submarines
NAVSEAINST 4730.2 - Shipyard Inspection and Required Conditions of Propulsion Plant Systems (Non-Nuclear) for Nuclear Powered Surface Ships
NAVSEAINST 4734.1 - NAVSEA Test, Measurement, and Diagnostic Equipment (TMDE) and Calibration Programs

NAVSEAINST 4790.8 - Ship's Maintenance and Material Management (3-M) Manual
NAVSEAINST 4790.14 - Ship Departure and Alteration Completion Reports
NAVSEAINST 4790.16 - SSBN Extended Operating Cycle (EOC) Program; Policy, Procedures and Responsibilities for
NAVSEAINST 4790.17 - Fleet Test and Repair of Shipboard Electronic Equipment
NAVSEAINST 4790.19 - Submarine Engineered Operating Cycle (SEOC) Program
NAVSEAINST 4790.23 - Baseline Project Management Plan (BPMP)

NAVSEAINST 5370.1 - Standards of Conduct and Statements of Affiliations and Financial Interests
NAVSEAINST 5400.95 - Waterfront Engineering and Technical Authority Policy
NAVSEAINST 5450.142 - Mission and Functions of the Surface Maintenance Engineering Planning Program Activity
NAVSEAINST C5511.32 - Safeguarding of Naval Nuclear Propulsion Information

NAVSEAINST 5730.1 - Legislative and Congressional Matters

NAVSEAINST 7500.1 - Audits of NAVSEA by External Audit Organizations

NAVSEAINST 9070.1 - Standard Specification for Ship Repair and Alteration Committee

NAVSEAINST C9073.2 - Acoustical Survey of Submarines

NAVSEAINST C9094.2 - Submarine Valve Operation Requirements for Builders and Post-Overhaul Sea Trial Test Dives

NAVSEAINST C9096.2 - Weight and Stability Requirements for Active Submarines

NAVSEAINST 9210.31 - Government Procurement Quality Source Inspection Actions for Shipyard Procedure of Material Under NAVSEA 08 Cognizance

NAVSEAINST C9210.4 - Changes, Repairs and Maintenance to Nuclear Powered Ships

NAVSEAINST 9210.14 - Changes to Submarine Tenders and Destroyer Tenders with Nuclear Support Facilities, Requirements Concerning

NAVSEAINST 9210.23 - Requirements for Naval Nuclear Work at Naval Activities and Private Shipyards -

Certification of Work Accomplishment and Data Retention of Associated Records and Retention of Design Records

NAVSEAINST 9210.30 - Procedures for Administration of Nuclear Reactor Plant Preventive Maintenance and

Tender Nuclear Support Facilities Preventive Maintenance on Ships

NAVSEAINST 9210.31 - Government Procurement Quality Source Inspection Actions for Shipyard Procedure of Material Under NAVSEA 08 Cognizance

NAVSEAINST C9210.34 - All Nuclear Projects - Material Identification and Control Requirements for Naval Nuclear Reactor Plant Piping Systems

NAVSEAINST 9210.39 - Submarine Nuclear Propulsion Plant Operator Welders: Procedures for Maintenance of Qualification

NAVSEAINST 9210.41 - All Naval Nuclear Propulsion Plants - Use of Standard Lubricants and Penetrating Fluid; Requirements for

NAVSEAINST 9210.45 - Reactor Plant Welding and Nondestructive Testing Personnel

NAVSEAINST 9254-1 - Eddy Current Inspection of Condensers and Reboilers on Nuclear Vessels

NAVSEAINST 9304.1 - Shipboard Electrical Cable and Cableway Inspection and Reporting Procedures

NAVSEAINST 9593.1 - Certification Program for Sewage Marine Sanitation Devices in U.S. Navy Surface Ships and Craft

NAVSHIPS 0900-070-6010 - Material Control Standard

NAVSHIPS 0948-045-7010 - Material Identification and Control (MIC) for Piping Systems

NAVSO P-1000 - Navy Comptroller Manual

NAVSO P-3006 - Financial Management of Resources Operations and Maintenance, (Shore Activities)

NAVSO P-3635 - Federal Acquisition Regulation, Section 13, Chapter 312

NAVSUP 484 - Supply Afloat Fleet and Field Packaging Procedures

NAVSUP 5009 (DLAM 4215.1) - Management of Defense-Owned Industrial Plant Equipment

NAVSUP Publication 485 - Afloat Supply Procedures

NAVSUP P2003 - Navy Stock List of Forms and Publications

NAVSUPPUB 437 - Material Required Delivery Date Processing

NMCARS 5201 - Federal Acquisition Regulations System

NMCARS 5219.7 - The Small Business Subcontracting Program

NMCARS 5233 - Protests, Disputes and Appeals

NMCARS 5233.9000 - Documentation of Significant Contract Events

NMCARS 5242 - Contract Administration and Audit Services

NMCARS 5245.302 - Providing Facilities

NMCARS 5245.505 - Records and Reports of Government Property

NMCARS Part 5245 - Government Property

NSTR-99 - Qualification Examination Requirements for Nondestructive Test Personnel

NSWC Philadelphia ltr 9320, Ser 934/010 dated 19 Mar 2001, titled Shipboard Circuit Breaker Maintenance and Overhaul Policy

NSWCCD-71-TR-2001/020 - February 2001 USS SEAWOLF (SSN 21) Class Acoustic Stealth Manual

NSWCCD-SSES 9332-GGTB 11 - General Gas Turbine Bulletin Number 11 (Gas Turbine Fleet Representatives)

NSWCCD-SSES 9352-GGTB 0 - General Gas Turbine Bulletin Number 0 (Technical Directive Zero Index)

NUSC 551 - Handbook for Submarine Antenna Systems

NWP 1-03.1 - Naval Warfare Publication Operational Report

Occupational Safety and Health Act of 1970

ONRINST 5400.1 - Obtaining Waivers Under Office of Naval Research Designation as a Reinvention Laboratory

OPNAV 43P6 - MEASURE Users Manual

OPNAVINST 3000.12 - Operational Availability of Equipments and Weapons Systems

OPNAVINST 3000.15 - Fleet Response Plan

OPNAVINST C3000.5 - Operation of Naval Nuclear Powered Ships

OPNAVINST 3120.28 - Certification of the Aviation Capability of Naval Ships Operating Aircraft

OPNAVINST 3120.32 - Standard Organization and Regulations of the U.S. Navy

OPNAVINST 3120.33 - Submarine Extended Operating Cycle (SEOC) Program

OPNAVINST 3150.27 - Navy Diving Program

OPNAVINST 3540.3 - Naval Nuclear Propulsion Examining Boards

OPNAVINST 3540.4 - Propulsion Examining Boards for Conventionally Powered Ships

OPNAVINST 3960.16 - Navy Test, Measurement, and Diagnostic Equipment (TMDE) Automatic Test Systems (ATS), and Metrology and Calibration (METCAL)

OPNAVINST 4000.57 - Logistic Support of the TRIDENT and POSEIDON Fleet Ballistic Missile (FBM) Systems

OPNAVINST 4100.11 - Navy Energy Usage Reporting System (NEURS)

OPNAVINST 4614.1 - Uniform Material Movement and Issue Priority System

OPNAVINST 4700.7 - Maintenance Policy for U.S. Naval Ships

OPNAVINST 4700.8 - Trials, Acceptance, Commissioning, Fitting Out, Shakedown and Post Shakedown

Availability of U.S. Naval Ships Undergoing Construction or Conversion

OPNAVINST 4700.38 - Berthing and Messing During CNO Scheduled Maintenance Availabilities

OPNAVINST 4720.2 - Fleet Modernization Program (FMP); Policy For

OPNAVINST 4730.5 - Trials and Material Inspections (MI) of Ships Conducted by the Board of Inspection and Survey

OPNAVINST 4770.5 - General Policy for the Inactivation, Retirement and Disposition of United States Naval Vessels

OPNAVINST 4730.7 - Material Inspection of Submarines Conducted by the Board of Inspection and Survey

OPNAVINST 4780.6 - Policy for Administering Service Craft and Boats in the U.S. Navy

OPNAVINST 4790.4 - Ships' Maintenance and Material Management (3-M) Manual

OPNAVINST 4790.15 - Aircraft Launch and Recovery Equipment Maintenance Program (ALREMP)

OPNAVINST 5090.1 - Environmental and Natural Resources Program Manual

OPNAVINST 5100.19 - Navy Occupational Safety and Health (NAVOSH) Program Manual for Forces Afloat

OPNAVINST 5100.20 - Shipboard Heat Stress Control and Personnel Protection

OPNAVINST 5100.23 - Navy Occupational Safety and Health (NAVOSH) Program Manual

OPNAVINST 5420.53 - General Precept for the Conduct of Trials and Material Inspections of Ships and Service Craft

OPNAVINST C5510.93 - Navy Implementation of National Policy on Control of Compromising Emanations

OPNAVINST C8950.2 - Magnetic Silencing

OPNAVINST 9070.2 - Signature Control Policy for Ships and Craft of the U.S. Navy

OPNAVINST 9080.3 - Procedures for Tests and Trials of Navy Nuclear Powered Ships Under Construction, Modernization, Conversion, Refueling and Overhaul

OPNAVINST 9110.1 - Policy Concerning Submarine Test and Operating Depths

OPNAVINST C9210.2 - Engineering Department Manual for Naval Nuclear Propulsion Plants

OPNAVINST 9220.2 - U.S. Navy Boiler Water and Feedwater Test and Treatment Program (Nuclear Excluded)

OPNAVINST 9220.3 - Propulsion and Auxiliary Plant Inspection and Inspector Certification Program

OPNAVINST 9640.1 - Shipboard Habitability Program

OPNAVINST 11010.20 - Facilities Project Instruction Manual

OPNAVNOTE 4700 - Representative Intervals, Durations, Maintenance Cycles, and Repair Mandays for Depot Level Maintenance Availabilities of U.S. Navy Ships

OPNAVNOTE 4710 - Fleet Depot Maintenance Schedule

OPNAVNOTE 4780 - Service Craft and Boats Accounting Report (SABAR)

OPNAVNOTE 5400 - DNS-33/10U229822 of Sep 10

OSHA 29 CFR 1915 - Confined and Enclosed Spaces and Other Dangerous Atmospheres in Shipyard Employment

Public Law 97-114 - DoD Appropriations Act

Public Law 109-61 - Emergency Preparedness and Response

SECNAV M-5210.1 - Records Management Manual

SECNAVINST 4855.3 - Product Data Reporting and Evaluation Program (PDREP)

SECNAVINST 5400.15 - Department of the Navy Research, Development and Acquisition, and Associated Life Cycle Management Responsibilities

SECNAVINST 5430.92 - Assignment of Responsibilities to Counteract Fraud, Waste and Related Improprieties within the Department of the Navy

SECNAVINST 5510.30 - Department of the Navy Personnel Security Program

SECNAVINST 5510.36 - Department of the Navy Information Security Program Regulation

SL720-AA-MAN-010 - Fleet Modernization Program (FMP) Management and Operations Manual

SOBT Video SVT-GT-9336 - Submarine Preservation

SPCCINST 4440.376 - Supply Policies and Procedures for Naval Reactor Plant Parts and Material

SPCCINST 4440.482 - Pipe, Fittings, Fasteners

SPCCINST 4441.170 - COSAL Use and Maintenance Manual

SSN 21-081-PMS350L-035 - Rotatable Pool Management Plan for the SEAWOLF Class SSN

SSPINST 4720.1 - Policies and Procedures for Alteration of Strategic Weapon System Equipment

SSPINST 5600.11 - Preventive Maintenance Management Program for Strategic Weapon Systems Equipment and Associated Material

SSPINST 8950.2 - Procedure for Fleet Ballistic Missile (FBM)/Strategic Weapons System (SWS) Components During Flash-Deperm Treatment of an SSBN

STARS Users Manual (FMSO P-104)

SUBMEPP Test Procedure 441-5-7001 - SSN 688 Class Submarine, Systems EMI Measurements, Dockside

COMUSFLTFORCOMINST 4790.3 REV B CH-5

SUBMEPP 9086-008-814 - TRIPER Information Notebook

SWT 077-01 - Hazardous Waste Produced on Naval Vessels; control

SWT 857-01 - Temporary Galley and Messing Facilities; provide

SWT 857-011 - Temporary Off Ship Berthing Equivalent to BOQ/BEQ; provide

The North American Industry Classification System (NAICS)

Title 10 U.S. Code - Armed Forces

TL130-A1-HBK-010 - MSC Procedures Manual - Maintenance Support Center Library Procedures Manual

TMIN SL700-AB-GYD-010 - Pictorial Guide for Painting Ship's Interiors

URO-MRC 003

U.S. Navy Regulations Article 1115

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-3.3.6.2	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's 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 • (Surface Force Ships) Assume the lead role in managing the AWP from the BAWP developed by SURFMEPP
II-I-3.3.6.3	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-3.6.8.3.11d	Availability Completion Prerequisites	<ul style="list-style-type: none"> Issue message to the ship certifying the FBW SCS and authorizing FBW SCS unrestricted use
II-I-3.6.8.4.1c	Responsibilities for trials and inspections	<ul style="list-style-type: none"> Schedule Fleet Commander PORSE Provide Fast Cruise, Sea Trial and completion prerequisites to the ship Assign material representatives to embark for trials Inform CNO and Fleet Commander of trials Provide escorts as required Conduct ship salvage inspection Approve Sea Trial Agenda Report crew readiness and request authorization for critical ops Report status of SUBSAFE boundary conditions and authorization of Sea Trials Report status of SUBSAFE certification and authorize URO to test depth Authorize underway operation of the FBW SCS Issue a message to the ship authorizing FBW SCS unrestricted use in support of submarine unrestricted operations
II-II-2.5	Milestones	<ul style="list-style-type: none"> Obtain technical adjudication for any Baseline AWP items prior to the removal of any Baseline AWP item from the work package.
IV-2.4.1	FMA Assessment	<ul style="list-style-type: none"> Promulgate assessment schedule Forward precepts letter or message to FMA's Commanding Officer Conduct in-brief and out-brief with designated personnel Issue assessment report
IV-5.3.1	Marine Sanitation Devices	<ul style="list-style-type: none"> Ensure surface ships participate in pollution abatement program Ensure MSD systems are properly installed, operated and maintained
IV-16.2.3	Aircraft Launch and Recovery Systems	<ul style="list-style-type: none"> Provide ALRE Maintenance Management Teams to conduct assist visits and annual audits of all units
IV-17.3.3	Steam Catapult Inspection	<ul style="list-style-type: none"> Provide or arrange for certified SGPIs to perform inspections Coordinate inspections of all catapult accumulators and support systems Assist COs in arranging for corrective action of deficient items Review the SCIRMIS
IV-26.2.1	Board of Inspection and Survey Material Inspections Policy	<ul style="list-style-type: none"> Act as cognizant authority for conduct of INSURV inspections Nominate active ships for MIs by the INSURV board Schedule inspections/assessments within 60 days of MI

Section	Area of Responsibility	Responsibility
VI-9.2.2	Metrology and Calibration Program	<ul style="list-style-type: none"> • Assign a METCAL program single point of contact • Submit TAMS allowance change requests to TAMS allowance manager • Redistribute excess TAMS • Provide properly trained personnel to authorized calibration activities • Periodically perform Quality Assurance reviews of laboratories • Manage calibration overflow program • Ensure Regional Loan Pools are established • Evaluate FMA/Regional Calibration Laboratories • Coordinate for SCAT assignments and SPETERL revisions • Assign Fleet Commander representatives
VI-11.5.1	Maintenance, Repair and Overhaul of Service Craft, Landing Craft and Small Boats	<ul style="list-style-type: none"> • Coordinate all aspects of advanced planning • Authorize all new industrial work items • Authorize growth in existing industrial work item • Provide funding for authorized work • Monitor and approve changes in established milestones • Direct action when quality or completeness of industrial activity work is in question
VI-12.3.2.1	Degaussing (ships with installed degaussing systems)	<ul style="list-style-type: none"> • Monitor degaussing readiness of assigned ships • Ensure ships “check range” as required
VI-13.4.3d	Coating System Inspections	<ul style="list-style-type: none"> • Employ NACE Certified Coating Inspectors to train and assist Ship’s Force with coating system inspections
VI-16.2.2.1.3	Habitability Improvement/ Self Help Responsibilities	<ul style="list-style-type: none"> • Develop Five Year Plan, establish priorities for attainment of standards • Plan, schedule, coordinate and monitor projects • Authorize, budget and fund habitability program
VI-19.2.1.1	Ship Maintenance and Material Management	<ul style="list-style-type: none"> • Maintenance Data System • Planned Maintenance System • Alteration Management System • (Submarines) TFBR History/Tracking Program • Maintenance Resource Management System • PMR Scheduling System • CSMP • SNAP I/II/III Organizational Maintenance Management System • TRIDENT Logistical Data System/MRMS Interface • Master Job Catalog
VI-24.7.1	Periodic Maintenance Requirement Program	<ul style="list-style-type: none"> • Provide overall scheduling system for accomplishment of PMRs • Perform periodic audits of ISICs and FMAs • Provide guidance to ISICs when deviation is required

Section	Area of Responsibility	Responsibility
VI-25.3.1	Unrestricted Operations	<ul style="list-style-type: none"> • Perform periodic audits of ISICs and FMAs • Provide guidance to ISICs when deviating from schedules due to DFS requests
VI-27.3.1	Scheduled Preservation Upkeep Coordinated Effort	<ul style="list-style-type: none"> • Administer the SPRUCE program • Maintain and distribute file of SPRUCE lessons learned
VI-31.3.4	Surface Ship Maintenance Placement and Oversight Business Rules	<ul style="list-style-type: none"> • Establish force maintenance policies and directives • Provide list of Fleet Alteration requirements for execution year as input to RMC business plan • Issue spending controls to RMC and update on quarterly basis • Has authority to recapture spending controls previously issued, as a last resort • Funds will be provided early enough to avoid premiums • If not funding an availability, must approve removal of funds before RMC initiates this action • Evaluate Maintenance and Modernization Business Plan adjustment requests • Evaluate RMCs end of quarter financial status report
VI-33.2.4	MMBP Responsibilities	<ul style="list-style-type: none"> • Establish Force maintenance policies and directives and authorize the RMC to execute them • Provide the RMC with Target Controls in March of each year • Ensure that established modernization plan is accurate and issue Fleet Alteration Letters of Authorization • Establish the percentage of CNO Availability and CM funding controls to be allocated to the MFOM Funding Distribution Pools • Final approval of MMBP
VI-33.4.2	Initial Budget Guidance (March)	<ul style="list-style-type: none"> • Establish an initial estimate of the expected funding controls for the next Fiscal Year • Develop a common maintenance funding strategy • Establish initial TYCOM Target Controls for each ship's CNO Availability and each ship's CM budget • Ensure Letters of Authorization accurately reflect the modernization plan
VI-33.4.4	Execution Strategy Adjustments (May)	<ul style="list-style-type: none"> • Determine if adjustments to the TYCOM Target Controls are required
VI-33.4.6	Approve MMBPs (July)	<ul style="list-style-type: none"> • Approve MMBPs and promulgate final approved CNO availability and CM controls • Provide final CNO budget controls and CM controls to the Maintenance Teams
VI-33.4.7	Submit Phasing Plans (August)	<ul style="list-style-type: none"> • Submit Phasing Plans to the Fleet Commander

Section	Area of Responsibility	Responsibility
VI-37.5c	Regional Maintenance Center Passive Countermeasure System Support Requirements	<ul style="list-style-type: none"> • Coordinate in identifying, solving and correcting PCMS deficiencies • Arrange for PCMS maintenance services when required • Review and authorize documents that contain procedures relative to PCMS • Evaluate comments and recommendations regarding Fleet PCMS program
VI-38.3.1	DSS Hull Integrity Procedures	<ul style="list-style-type: none"> • Perform periodic audits of ISICs and FMAs • Provide guidance to ISICs for DFS request and resolution
VI-40.5.1	(SUBS) Messages	<ul style="list-style-type: none"> • Review (SUBS) message traffic • Assist and support the ISIC • Track (SUBS) messages initiated by the TYCOM department generating the message • Track (SUBS) messages generated by submarines under its cognizance
VI-41.3.4.1	Availability Coordination	<ul style="list-style-type: none"> • Assigns scheduled and year long CM and Emergent Maintenance Availabilities • Provides oversight on Ashore Ship Maintenance Manager recommended brokering of work • Funds CNO and CM Depot Availability Contracts • Authorizes growth and new work • Acts on contract cost performance concerns • Resolves CNO availability scheduling issues • Approves other contracting vehicles, as applicable • Authorizes maintenance below MFOM threshold as funding permits • Chairs post availability "Hot Wash" meetings • Makes determination of urgent and compelling circumstances when necessary
VI-42.6.2	Material Assessment	<ul style="list-style-type: none"> • Schedule and authorize material assessments • Define the scope of material assessment • Provide funding for execution and support • Conduct periodic reviews of the material assessment process • Establish standards of effectiveness to ensure program improvement • Evaluate unit's ability to self assess and report training deficiencies

Immediate Superior in Command (ISIC)

Section	Area of Responsibility	Responsibility
I-2.5.1	Pre-Commissioning	<ul style="list-style-type: none"> ● Provide crew support prior to initial man-up ● Conduct an inspection of the crew at the building yard ● Conduct periodic monitoring of ships ● Ensure personnel arrive in support of initial crew man-up ● Conduct a Habitability Inspection ● Make recommendations to the TYCOM for placing the ship "In Service" ● Conduct a review of units to be established as Field Calibration Activities ● Ensure that assigned New Construction Units operate and maintain installed diesel engines ● (Nuclear Powered Ships only) Conduct a Pre-RSE of the Engineering/Reactor Department ● (Nuclear Powered Ships only) Review Pre-RSE findings, the CO's training plan and progress evaluations ● (Submarines only) Prior to Fast Cruise, report ship's preparations to assume responsibility for Re-entry Control ● (Submarines only) Schedule salvage inspections ● (Submarines only) Designate the salvage inspection team ● For CVNs, conduct crew certification ● For all other hulls, conduct Phase I crew certification ● Conduct Phase II crew certification ● Conduct a material inspection of the ship ● Report satisfactory completion of the inspections to the TYCOM ● Message reporting requirements

Section	Area of Responsibility	Responsibility
II-I-3.6.1.2	Availability Execution	<ul style="list-style-type: none"> • Authorize new items and growth industrial work items • Monitor and approve all changes in established milestones • Issue direction when the quality or completeness of industrial work is in question • Monitor off-ship crew messing and berthing arrangements • Notify the TYCOM when essential Ship's Force work cannot be completed on the scheduled contract date • (Surface Force Ships only) Assess and monitor shipboard conditions • (Submarines only) Assess and monitor shipboard conditions • Monitor Ship's Force preparations for LOA • (Nuclear Powered Ships only) Conduct a Pre-Critical Inspection of the Engineering Department • (Submarines only) Schedule a salvage inspection by the Forces Afloat • Conduct a formal Phase I crew certification inspection(s) of the Ship's Force • (Submarines only) Prior to Fast Cruise, conduct a formal audit of Ship's Force, Re-Entry Control, Departure from Specification Records and CSMP • Conduct Phase II crew certification • Conduct a material inspection of the ship • Report satisfactory completion of inspections to the TYCOM • Receive schedule and agenda of tests for Sea Trials for review and approval • (Submarines only) Prior to Sea Trials, report material certification of the ship by message • Monitor the progress of the availability • If required, initiate Operating Cycle Extension Assessment
II-I-3.6.8.3b(5)(d) (Submarines Only)	Trials, Inspections and Certification Minor Availabilities	<ul style="list-style-type: none"> • Perform 100% audit of FBW SCS Upgrades/Alterations or Major Repair Work
II-I-3.6.8.3b(6)(c)	Trials, Inspections and Certification Minor Availabilities	<ul style="list-style-type: none"> • Perform 100% audit of FBW SCS Upgrades/Alterations or Major Repair Work
II-I-3.6.8.3.9	Sea Trials	<ul style="list-style-type: none"> • Authorize the ship to get underway for Sea Trials. Notify TYCOM of satisfactory completion of Fast Cruise
II-I-3.6.8.3.11c	Availability Completion Prerequisites	<ul style="list-style-type: none"> • Certify to TYCOM material condition of parts of ship installed, repaired and/or tested by the ISEA activity
II-I-3.6.8.4.1d	Fast Cruise	<ul style="list-style-type: none"> • Perform 100% audit of FBW SCS Upgrades/Alterations or Major Repair Work

Section	Area of Responsibility	Responsibility
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
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"> • Schedule a Navy Safety Center Safety Survey • Monitor ship's preparation for MI • 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 • Provide ship original and three copies of AWR and CSMP • 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-5.13.4c	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
V-I-8.3.1g and V-I-8.3.7e(2)	Departure from Specification Procedures	<ul style="list-style-type: none"> • Provide the Job Control Number and Departure serial number for Departures initiated by a depot level activity

Section	Area of Responsibility	Responsibility
VI-25.3.3	Unrestricted Operations	<ul style="list-style-type: none"> • Maintain auditable records of URO MRC accomplishment • Perform periodic audits of assigned FMAs • Maintain a file of current URO MRC inventories and schedules as provided by SUBMEPP • Coordinate accomplishment of URO MRCs in accordance with SUBMEPP provided PMR inventories and schedules • Control input of SUBMEPP scheduling file • Ensure all URO MRC requirements are in the CSMP • Request approval from TYCOM for deviations from required periodicities • Establish procedures to affect routing of completed AWRs • Ensure accomplishing activity immediately reports conditions that would result in reduced inspection periodicity • Monitor timely submission of URO MRC data reports and reports of accomplishment • Review ship's certification continuity report prior to underway period • Parent ISIC of deploying ships: ensure URO MRC due for accomplishment during deployment is in CSMP transfer file, provide message to applicable deployed FMA • Deployed squadrons will review URO MRC status of deployed submarines at in-chop • Prior to start of CNO availability: assign JCNs as necessary, reassign URO MRCs not completed • During availability, URO MRCs not accomplished during depot period will be placed on guarantee list or reassigned • Prior to CNO availability completion, audit URO MRCs assigned to Forces Afloat by the AWP • Following availability completion ensure all MRCs were reported and subsequently updated by SUBMEPP
VI-27.3.2	Scheduled Preservation Upkeep Coordinated Effort	<ul style="list-style-type: none"> • Schedule and coordinate SPRUCE upkeeps • Coordinate submarine crew training • Monitor effectiveness of program • Chair a debrief with Ship's Force and FMA to review effectiveness of SPRUCE
VI-28.6.1	Cableway Assessment	<ul style="list-style-type: none"> • Ensure assigned ships are scheduled to receive cableway assessments and training
VI-33.4.3	Provide Controls to Maintenance Team (April)	<ul style="list-style-type: none"> • Provide ship operational schedule information to the Maintenance Team

Section	Area of Responsibility	Responsibility
VI-38.3.3	DSS Hull Integrity Procedures	<ul style="list-style-type: none"> • Maintain auditable records of DSS HIP accomplishments • Conduct periodic audits of assigned FMAs • Maintain a file of DSS HIP inventories and schedules • Assist in preparation and approve DSS HIP performance schedule • Ensure review and implementation of DSS HIP procedural inventories and schedules • Ensure all DSS HIP requirements are in the CSMP • Request approval from TYCOM for deviations from DSS HIP requirements and periodicities • Establish procedures for routing of completed DSS HIP AWRs • Monitor the timely submission of DSS HIP data report forms and report of accomplishment • Review vehicle's certification continuity report prior to underway period • Ensure DSS HIPs due for accomplishment during deployment are in CSMP transfer file • Provide message to deployed FMA/Squadron identifying DSS HIPs to be accomplished and materials required for period of deployment • Audit DSS HIPs assigned to Forces Afloat by the AWP
VI-40.5.2	(SUBS) Messages	<ul style="list-style-type: none"> • Review and take for action all (SUBS) messages • Track (SUBS) messages sent or initiated by submarines under its cognizance • Track (SUBS) messages initiated by the ISIC
VI-41.3.4.1	(SUBS) Availability Coordination	<ul style="list-style-type: none"> • Assigns scheduled and year long CM and Emergent Maintenance Availabilities • Provides oversight on Ashore Ship Maintenance Manager recommended brokering of work • Funds CNO and CM Depot Availability contracts • Authorizes growth and new work • Acts on contract cost performance concerns • Resolves CNO availability scheduling issues • Approves other contracting vehicles, as applicable • Authorizes maintenance below MFOM threshold as funding permits • Chairs post availability "Hot Wash" meetings • Makes determination of urgent and compelling circumstances when necessary

Section	Area of Responsibility	Responsibility
VI-42.6.2	Material Assessment	<ul style="list-style-type: none">• Schedule and authorize material assessments• Define the scope of material assessment• Provide funding for execution and support• Conduct periodic reviews of the material assessment process• Establish standards of effectiveness to ensure program improvement• Evaluate unit's ability to self assess and report training deficiencies

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
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
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 a TAVR is submitted at the completion of an on-site FTA Ensure submission of a message report if an on-site assist visit is terminated

Section	Area of Responsibility	Responsibility
VI-8.2.5	2M/MTR Fleet Coordinators	<ul style="list-style-type: none"> • Maintain qualified 2M/MTR Fleet Coordinators
VI-31.3.3	Business Responsibilities	<ul style="list-style-type: none"> • Execute surface ship maintenance • Develop a consolidated spending plan for the execution year • Issue quarterly spending controls to all of the Maintenance Teams • Evaluate Maintenance and Modernization Business Plan adjustment requests • Redistribute controls across the surface ship Maintenance Teams • Provide an impact statement to the TYCOM regarding the effect on the execution of maintenance • Provide a recommendation to minimize the impact on Force readiness • Evaluate the financial status of each of the Maintenance Teams on a monthly basis • Submit end of quarter financial summary reports to the respective surface TYCOM • Use Emergency Maintenance funds to execute CNO availability or CM maintenance • Determine when Emergency Maintenance funds should be used for the correction of C2 CASREPs or other non-CASREP related, but nonetheless urgent maintenance • Approve any planned delay of action on a CASREP • Generate monthly reports for all assigned ships planning, in or having completed Hot Wash following completion of a CNO availability
VI-35.5.2	Operational Responsibilities	<ul style="list-style-type: none"> • Adhere to established policy, guidance and regulations regarding expenditure of government funds • Comply with all applicable environmental, safety and health requirements • Ensure appropriately trained personnel are available to meet mission requirements • Submit budget and ensure fiscal execution information is provided as directed by higher authority • Focus command on improving operations to achieve efficiencies • Comply with all NAVSEA Technical Warrant requirements • Comply with Federal Acquisition Regulations and NAVSEA Contracting Warrant guidance • Accomplish Navy Supervising Activity responsibilities for RMC administered work • Maintain quality surveillance system • Accomplish maintenance, repair and modernization of ships

Section	Area of Responsibility	Responsibility
VI-37.5d.	Countermeasure System Support Requirements	<ul style="list-style-type: none"> • Schedule PCMS core activities prior to deployment for each unit • Review and take the appropriate action to correct PCMS discrepancies for subordinate units • Request NAVSEA engineering assistance when determined necessary
VI-41.3.4.1	Availability Coordination (Surface Ships)	<ul style="list-style-type: none"> • Assigns scheduled and year long CM and Emergent Maintenance Availabilities • Provides oversight on Ashore Ship Maintenance Manager recommended brokering of work • Funds CNO and CM Depot Availability contracts • Authorizes growth and new work • Acts on contract cost performance concerns • Resolves CNO availability scheduling issues • Approves other contracting vehicles, as applicable • Authorizes maintenance below MFOM threshold as funding permits • Chairs post availability "Hot Wash" meetings • Makes determination of urgent and compelling circumstances when necessary
VII-6.6.2	Maintenance Center Funding	<ul style="list-style-type: none"> • Develop a consolidated spending plan for the execution year • Determine when Emergency Maintenance funds should be used for the correction of C2 CASREPs or other non-CASREP related, but nonetheless urgent maintenance

Ship's Commanding Officer

Section	Area of Responsibility	Responsibility
II-I-3.3.6.6	Maintenance Policies and Procedures	<ul style="list-style-type: none"> • Review AWP's and provide comments to TYCOM, ISIC and SUBMEPP • Assign a Ship's Selected Records Coordinator • Publish policies concerning the ship status and crew before availability starts <p>(Submarines Only)</p> <ul style="list-style-type: none"> • Review status of PMR maintenance schedules and CSMP reports with ISIC prior to CNO availability • Maintain a current SUBMEPP PMR inventory
II-I-3.6.8.3.11b	Availability Completion Prerequisites	<ul style="list-style-type: none"> • Verify satisfactory completion of all Sea Trial evolutions
II-I-3.6.8.4.1e	Responsibilities for trials and inspections	<ul style="list-style-type: none"> • Carry out responsibilities per reference (e) • Develop and execute training plans and documents • Supervise operation of nuclear propulsion plant • Prepare ship's engineering personnel; and propulsion plant spaces for inspection • Maintain PMS, SUBSAFE re-entry control, RPPMS, in accordance with applicable references • Participate in at-sea periods prior to the first Sea Trials • Review Sea Trial agenda and concur • Undergo salvage inspection • Conduct one day Ship's Force dock trials • Demonstrate state of training of the crew • Ensure all alongside tests, inspections, and trials are conducted • Certify to designated ISIC/TYCOM representative that all salvage inspections discrepancies have been corrected • Concur with Supervising Authority message • Report by message to TYCOM that ship and crew are ready for Sea Trials • When authorized conduct a Fast Cruise • Concur with Supervising Authority message • Report completion of Fast Cruise to TYCOM • When requirements of this instruction are complete and permission is received proceed to sea

Section	Area of Responsibility	Responsibility
IV-3.3.7	Boiler Inspections	<ul style="list-style-type: none"> • Request inspections and recommend desired dates to ISIC • Prepare for scheduled inspections • Review inspection results and initiate corrective actions • Assess impact of corrective actions on operating schedules • Submit reports per paragraph 3.7.2 • Conduct boiler inspections by appropriate PMS item
IV-5.3.2	Marine Sanitation Devices	<ul style="list-style-type: none"> • Oversee correction of discrepancies on MSD system installations • Prevent food stuffs from being stored in areas below sanitation valves, flanges, or take-down joints • Log each unavoidable discharge of prohibited sewage in restricted waters
IV-14.2.1	Magazine Sprinkler Inspection Requirements	<ul style="list-style-type: none"> • Sprinkler systems tested in accordance with PMS • Magazine temperatures checked and recorded daily • Magazines are properly maintained • Cognizant industrial activities provide written verification that system is operational • System inspection requirements in accordance with reference (a) and PMS • System verification inspection prior to weapons on-load • Take action to correct discrepancies noted during inspection • Ensure design discrepancies reported to TYCOM and entered in CSMP
IV-16.4.1.1	Aircraft Launch and Recovery Systems for Aviation Ships	<ul style="list-style-type: none"> • Request CAFSU technical assistance when required • Provide berthing and messing for CAFSU representatives • Pass to TYCOM any comments concerning performance of CAFSU representatives • Upon completion of CAFSU ensure timely departure from ship
IV-17.3.5	Steam Catapult Inspections	<ul style="list-style-type: none"> • Request inspections and recommend dates for accomplishment • Prepare for scheduled inspections • Conduct Ship's Force responsible inspections • Review inspection results and initiate corrective actions • Assess impact of corrective action on ship's operating schedule • Submit reports • Schedule inspections as required by appropriate PMS/Class Maintenance Plan items

Section	Area of Responsibility	Responsibility
IV-18.3.2	Submarine Salvage Inspection	<ul style="list-style-type: none"> • Request ISIC to conduct salvage inspection • Coordinate support requirements as needed by inspection team • Complete and forward a pre-inspection information letter • Assemble all ship's data indicated in applicable appendix • Take action to correct discrepancies found and report corrections to ISIC • Submit CASREP if applicable
IV-20.2.9	Diver Life Support Systems, Submarine Rescue Chamber and Dry Deck Shelter Maintenance and Certification	<ul style="list-style-type: none"> • Maintain certification of DLSS • Ensure deficiencies identified during recertification inspection are corrected in an expeditious manner • Readiness of DLSS to meet operational requirements • Maintain QA program and re-entry procedures
IV-21.2.3	Submarine Oxygen Generating Plants	<ul style="list-style-type: none"> • Report reduced status in accordance with established procedures • Maintain EOG personnel qualifications • Prohibit operation of EOGs if necessary • Maintain EOG material maintenance log • Ensure EOG material maintenance log is periodically reviewed • Safety related deficiencies promptly entered into ESL • Prior to availability, ensure PMT conducts material inspection of EOGs • Ensure PMT conducts post-availability material inspection • Ensure PMT conducts operational inspection • Ensure electrolysis is secured and EOG is in safe condition prior to drills involving loss of power
IV-23.2.2.7	Gas Turbine Engine Inspection	<ul style="list-style-type: none"> • Request gas turbine inspections • Prepare for scheduled inspections • Review inspection results and initiate corrective action for those items within Ship's Force capability • Assess the impact of corrective action on operating schedules. Decide the optimum timing of repair actions • Submit reports • Schedule gas turbine inspections as required by PMS/Class Maintenance Plan item
IV-26.2.3	Board of Inspection and Survey Material Inspections Policy	<ul style="list-style-type: none"> • Ensure ship is prepared for MI • Be prepared to discuss items from previous INSURV which is still on CSMP • Designate INSURV coordinator • Assign senior coordinator for each INSURV departmental category

Section	Area of Responsibility	Responsibility
IV-27.3.5	Steam Reboiler Inspection	<ul style="list-style-type: none"> • Request inspections via Naval message to the TYCOM • Prepare for the scheduled inspections • Conduct Ship's Force responsible (Annual) inspections • Review inspection results and initiate corrective action for deficiencies within Ship's Force capability. Initiate requests for actions beyond Ship's Force capability and for deferred items. Submit a CASREP for discrepancies that will impact operational schedule. • Assess the impact of corrective action on the ship's operating schedules. Advise the TYCOM and operational commanders of adverse effects. • Submit reports
V-I-1.5.1	Organizational Responsibilities	<ul style="list-style-type: none"> • Designate QAO in writing • Approve TWD as required • (Submarines) provide ISIC written report of ship's certification continuity prior to underway • (Submarines) maintain material condition necessary to support URO to authorized operating depth • (Submarines) approve and sign recertification RPPAR • Certify QA personnel qualifications • Review and sign MOA prior to start of SUBSAFE, nuclear, FBW SCS, Level I work • Approve DFSs
VI-2.6.1	Fleet Technical Assistance	<ul style="list-style-type: none"> • Ensure FTA requests are accurate, complete and timely • Ensure TYCOM/ISIC are informed of technical issues • Ensure distance support alternatives are exhausted before requesting on-site technical assistance • Ensure qualified Ship's Force technicians are available for support • Upon completion of technical assistance visit, release FTA personnel • Establish secure, central e-mail account to all RMC techs who visit ship
VI-4.8.d	Shipboard Electromagnetic Compatibility	<ul style="list-style-type: none"> • Ensure EMS PMS is conducted • Request EMI survey within six months of deployment or when any new indications of EMI occur • Transmit EMC departure message to cognizant activities • Maintain up-to-date file of EMI/EMC information

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 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 • 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

Section	Area of Responsibility	Responsibility
V-I-1.6.10	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
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-5.8.5.2c	Nuclear Steam Plant Cleanliness	<ul style="list-style-type: none"> • Upon loss of cleanliness, approve recovery procedure
V-I-5.10.4b(13)	Re-Entry Control	<ul style="list-style-type: none"> • Establish and maintain CWP/REC log
V-I-8.3.1c	Departure From Specification	<ul style="list-style-type: none"> • Ensure repair for DFS is entered in ship's CSMP