

**OCCUPATIONAL STANDARDS AND BIBLIOGRAPHY  
FOR THE GMT RATING**

**FOR ALL EXAMINATIONS HAVING SERIAL NUMBERS**

- FROM 780001 TO 789999
- FROM 790001 TO 799999
- FROM 800001 TO 809999
- FROM 810001 TO 819999

**IMPORTANT INFORMATION**

1. The Occupational Standards for this rating in paygrades E-4 through E-9 are reprinted from Section I, Navy Enlisted Occupational Standards, of the MANUAL OF NAVY ENLISTED MANPOWER AND PERSONNEL CLASSIFICATIONS AND OCCUPATIONAL STANDARDS (NAVPERS 18068-D including change 2).

2. The basic bibliography is reprinted from NAVEDTRA 10052-Y, (MAR 1977) BIBLIOGRAPHY FOR ADVANCEMENT STUDY.

3. These pages are intended to serve TWO purposes:

- a. to furnish you, for study purposes, with a complete and up-to-date copy of the minimum occupational standards for advancement to paygrades E-4 through E-9 for your rating PLUS a copy of the current basic bibliography of source materials covering these minimum occupational standards.
- b. to assist you in an analysis of a PROFILE FORM should you receive one for any of the examination series to which these sheets apply.

4. For purpose 3.b. above, when analyzing your profile form, you should have in your possession: (1) the SUBJECT-MATTER SECTION IDENTIFICATION SHEET from the back of your examination booklet showing the broad subject-matter area titles and precisely what occupational standards were used to support the questions in each section of THAT examination. The reverse side of the subject-matter section identification sheet explains the format of the profile form; and (2) this OCCUPATIONAL STANDARDS/BIBLIOGRAPHY material.

**OCCUPATIONAL STANDARDS  
NAVPERS 18068-D INCLUDING CHANGE 2**

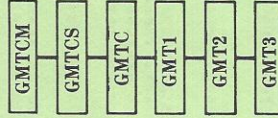
**GUNNER'S MATE TECHNICIAN  
(GMT)**



Gunner's Mate Technicians (GMT) perform organizational, intermediate, and depot maintenance; store, inspect, test, adjust, repair, and package nuclear weapon components and associated equipment; assemble, disassemble, and convert nuclear weapons, warheads, and/or components; maintain magazines, assembly and storage areas; and maintain sprinkler and alarm systems.

**GENERAL INFORMATION**

CAREER PATTERN



SEAMAN  
APPRENTICESHIP



# OCCUPATIONAL STANDARDS AND BIBLIOGRAPHY FOR THE GMT RATING

Normal path of advancement to Warrant Officer and Limited Duty Officer categories is to Ordnance Technician (716X/726X) and LDO Ordnance (616X/626X), or to Aviation Ordnance Technician (736X) and LDO Aviation Ordnance (636X).

## SPECIAL PHYSICAL REQUIREMENTS

Normal color perception.

## CITIZENSHIP/SECURITY REQUIREMENTS

Must be eligible for access to classified information.

### SAFETY

The observance of proper safety precautions in all areas is an integral part of each billet and the responsibility of every Navy man & woman; therefore, it is a universal requirement for all ratings.

## GUNNER'S MATE TECHNICIAN THIRD CLASS (GMT3)

- 15 HYDRAULIC MAINTENANCE
  - 15008 INSPECT AND SERVICE HYDRAULIC/PNEUMATIC RESERVOIRS
  - 15017 REPAIR DAMAGED SEALING SURFACES, MATING AREAS, AND THREADS
  - 15018 REPLACE FAULTY FASTENING HARDWARE AND SEALS
  - 15019 OPERATE MEASURING DEVICES
  - 15020 OPERATE TORQUING TOOLS
  - 15400 MONITOR SERVICEABILITY OF PRESSURE GAGES
- 29 ORDNANCE AND MISSILE HANDLING
  - 16324 HANDLE AND STOW NUCLEAR WEAPONS
  - 16325 PACKAGE AND UNPACKAGE NUCLEAR WEAPONS AND COMPONENTS
  - 16326 INTERPRET MARKINGS USED ON NUCLEAR WEAPONS AND COMPONENT CONTAINERS
- 17 WEAPONS MAINTENANCE
  - 17040 PERFORM STORAGE MONITORING TEST ON NUCLEAR WEAPONS AND COMPONENTS
  - 17041 DISASSEMBLE, ASSEMBLE, TEST, AND MODERNIZE NUCLEAR WEAPONS AND COMPONENTS
  - 17049 INTERPRET PRINCIPLES OF FISSION AND FUSION REACTION

## GUNNER'S MATE TECHNICIAN THIRD CLASS (GMT3)

- 17051 DIFFERENTIATE TYPES AND CHARACTERISTICS OF EXPLOSIVES CONTAINED IN NUCLEAR WEAPONS AND COMPONENTS
- 17052 DETERMINE FUNCTIONAL RELATIONSHIPS OF NUCLEAR WEAPONS AND COMPONENTS
- 17053 CLEAN, LUBRICATE AND PRESERVE NUCLEAR WEAPONS, COMPONENTS, AND ASSOCIATED EQUIPMENT
- 17054 RECOGNIZE EFFECTS OF HUMIDITY, TEMPERATURE, VIOLENT HANDLING, AND STORAGE TIME ON NUCLEAR WEAPONS
- 18 TEST EQUIPMENT
  - 18370 OPERATE TEST EQUIPMENT USED IN ASSEMBLY AND STRIKE PREPARATIONS
- 20 SAFETY
  - 20279 INTERPRET MEANING AND SIGNIFICANCE OF NUCLEAR SAFETY STANDARDS
- 24 ELECTRICAL MAINTENANCE
  - 24012 CLEAN AND INSPECT ELECTRICAL CONNECTORS/CABLES
  - 24013 PERFORM MECHANICAL WIRE CONNECTIONS INCLUDING SOLDERING
  - 24018 INSTALL AND REMOVE DUST COVERS AND SHORTING PLUGS
  - 24023 TEST FOR SHORT CIRCUITS, GROUNDS, AND CONTINUITY OF INTERCONNECTING CABLES AND WIRING BETWEEN COMPONENTS OF ELECTRICAL AND ELECTRONIC EQUIPMENT
  - 24502 DETECT AND REPLACE BLOWN FUZES
  - 24503 PERFORM POINT-TO-POINT VOLTAGE AND RESISTANCE MEASUREMENTS
- 29 MECHANICAL MAINTENANCE/OPERATION ORDNANCE EQUIPMENT
  - 29218 RECORD MAGAZINE TEMPERATURES AND INSPECT MAGAZINE AREAS
  - 29219 TEST, OPERATE, MAINTAIN AND REPAIR:
    - A. INSTALLED MAGAZINE FIRING SYSTEMS
    - B. INSTALLED PRP VALVES
  - 29220 READ AND INTERPRET RELATIVE-HUMIDITY INDICATORS
  - 29342 MAINTAIN NUCLEAR AND CONVENTIONAL ORDNANCE HANDLING EQUIPMENT
- 32 HEALTH CARE
  - 32350 INTERPRET TYPES AND SYMPTOMS OF RADIATION EXPOSURE; LETHAL AND SUB-LETHAL DOSAGES OF RADIATION



# OCCUPATIONAL STANDARDS AND BIBLIOGRAPHY FOR THE **GMT** RATING

GUNNER'S MATE TECHNICIAN THIRD CLASS (GMT3)

- 50 MAINTENANCE PLANNING AND QUALITY ASSURANCE  
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- 50303 USE MAINTENANCE REQUIREMENT CARDS (MRC)
- 50928 COMPLETE MAINTENANCE DATA FORMS FOR:
  - A. COMPLETE MAINTENANCE ACTIONS (MAP)
  - B. DEFERRED MAINTENANCE ACTIONS
  - C. WORK REQUESTS
- 77 SECURITY  
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- 77279 APPLY COMMAND CRITERIA FOR SAFEGUARDING NUCLEAR WEAPONS  
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- ~~ELECTRO/MECHANICAL MAINTENANCE~~
- 92336 USE AND MAINTAIN FIXED AND PORTABLE PNEUMATIC AND ELECTRICAL POWER TOOLS
- 94 MECHANICAL MAINTENANCE  
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- 94424 USE AND MAINTAIN HANDTOOLS
- 94551 INSPECT, CORRECT, AND REPLACE PIPES, FITTINGS, SEALS, AND GASKETS
- GUNNER'S MATE TECHNICIAN SECOND CLASS (GMT2)
- 15 HYDRAULIC MAINTENANCE  
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- 15009 CLEAN, LUBRICATE, REPAIR, AND MAKE HYDRAULIC/PNEUMATIC TESTS OF NUCLEAR WEAPONS SUPPORT EQUIPMENT
- 15010 INSPECT HYDRAULIC/PNEUMATIC SYSTEMS FOR CLEANLINESS; FLUSH AND DRAIN SYSTEMS AS REQUIRED
- 15011 INSPECT HYDRAULIC/PNEUMATIC ACCUMULATORS
- 15014 MAINTAIN SIMPLE, COMPOUND, DIRECTIONAL, AND PRESSURE-REDUCING VALVES
- 17 WEAPONS MAINTENANCE  
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- 17055 INSPECT AND MAINTAIN NUCLEAR WEAPONS, COMPONENTS AND EQUIPMENT
- 17056 CORRECT DAMAGED OR DEFECTIVE NUCLEAR WEAPON COMPONENTS
- 17330 CARRY OUT INITIAL RESPONSE PROCEDURES IN THE EVENT OF AN ACCIDENT OR INCIDENT

GUNNER'S MATE TECHNICIAN SECOND CLASS (GMT2)

- 19 TEST EQUIPMENT  
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- 18459 MAINTAIN NUCLEAR WEAPONS/SYSTEMS TEST EQUIPMENT
- 24 ELECTRICAL MAINTENANCE  
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- 24019 DETECT IMPROPER OPERATION OF CONTROL CIRCUITS EMPLOYING SWITCHES, RELAYS, AND SOLENOIDS
- 24523 REPAIR ELECTRICAL COMPONENTS
- 28 TECHNICAL DRAWINGS  
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- 28011 LOCATE AND IDENTIFY SYMBOLS, ASSEMBLIES AND SUBASSEMBLIES ON DIAGRAMS AND DRAWINGS
- 28012 TRACE CIRCUITS ON SCHEMATICS AND DRAWINGS
- 28025 USE WORKING DRAWINGS IN MAKING REPAIRS, ALTERATIONS AND MODIFICATIONS
- 29 MECHANICAL MAINTENANCE/OPERATION ORDNANCE EQUIPMENT  
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- 29221 COORDINATE AND DIRECT MAINTENANCE AND UPKEEP OF MAGAZINES AND SPACES
- 29222 TEST ALARMS AND SENSING DEVICES
- 29223 INTERPRET PROCEDURES FOR THE USE, STORAGE AND SECURITY OF EMERGENCY DESTRUCT MATERIALS
- 29343 INSPECT NUCLEAR AND CONVENTIONAL ORDNANCE HANDLING EQUIPMENT
- 38 ADMINISTRATION  
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- 38772 PREPARE NUCLEAR WEAPONS CHECK SHEETS
- 38773 SUBMIT OPERATION CHANGE REPORTS (OCR)
- 38774 INTERPRET REQUIREMENTS FOR NAVY TECHNICAL PROFICIENCY INSPECTIONS, NUCLEAR WEAPONS ACCEPTANCE INSPECTIONS, AND TECHNICAL STANDARDIZATION INSPECTIONS
- 46 PUBLICATIONS  
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- 46344 INTERPRET AND MAINTAIN NUCLEAR WEAPONS PUBLICATIONS
- 50 MAINTENANCE PLANNING AND QUALITY ASSURANCE  
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- 50632 COMPLETE PLANNED MAINTENANCE SUB-SYSTEM (PMS) FEEDBACK REPORTS



# OCCUPATIONAL STANDARDS AND BIBLIOGRAPHY FOR THE GMT RATING

## GUNNER'S MATE TECHNICIAN SECOND CLASS (GMT2)

- 54 LOGISTICS SUPPORT
- 54187 MAINTAIN CONSUMABLE SUPPLIES AND OBTAIN REPLACEMENTS
- 54188 IDENTIFY CATEGORIES OF MATERIAL CONTAINED IN EACH VOLUME OF COORDINATED SHIPBOARD/SHOREBASE ALLOWANCE LIST (COSAL)
- 54191 POST CHANGES AND ADDITIONS TO COSAL
- 54192 PACKAGE, PROTECT, PROCESS, AND DOCUMENT TURN-IN OF REPAIRABLES
- 54814 INVENTORY INSTALLED EQUIPMENT AND VERIFY SPARE PART SUPPORT IN COSAL
- 54815 ORDER REPAIR PARTS AND SPECIAL TOOLS REQUIRED FOR INSTALLED EQUIPMENT MAINTENANCE USING COSAL

## GUNNER'S MATE TECHNICIAN FIRST CLASS (GMT1)

- 15 HYDRAULIC MAINTENANCE
- 15398 INSPECT MAINTENANCE AND MODERNIZATION OF HYDRAULIC EQUIPMENT
- 16 ORDNANCE AND MISSILE HANDLING
- 16327 SUPERVISE CREWS IN TRANSFERRING, HANDLING, AND STOWAGE OF NUCLEAR WEAPONS
- 16328 IMPLEMENT LOADING AND STOWAGE PLANS
- 16339 HANDLE AND DISPOSE OF HIGH EXPLOSIVE EXUDATE, POWDERED HIGH EXPLOSIVE RESIDUE AND DAMAGED EXPLOSIVE COMPONENTS
- 17 WEAPONS MAINTENANCE
- 17045 COORDINATE AND DIRECT MODERNIZATIONS TO NUCLEAR WEAPONS, COMPONENTS, CONTAINERS AND TEST AND HANDLING EQUIPMENT
- 17437 SUPERVISE RESPONSE TO NUCLEAR ACCIDENTS AND INCIDENTS

- 24 ELECTRICAL MAINTENANCE
- 24524 INSPECT ELECTRICAL COMPONENT REPAIR
- 28 ADMINISTRATION
- 38771 SUPERVISE NUCLEAR WEAPONS MATERIAL STORAGE, SPACE LAYOUT, AND STOREROOM MAINTENANCE
- 38775 MAINTAIN RECORDS AND REPORTS FOR NUCLEAR WEAPONS AND COMPONENTS

## GUNNER'S MATE TECHNICIAN FIRST CLASS (GMT1)

- 50 MAINTENANCE PLANNING AND QUALITY ASSURANCE
- 50986 REVIEW COMPLETED MAINTENANCE DATA COLLECTION SUB-SYSTEM (WDCS) FORMS
- 50987 PREPARE WEEKLY SCHEDULES OF PREVENTIVE MAINTENANCE
- 54 LOGISTICS SUPPORT
- 54336 CHANGE THE ALLOWANCE PARTS LIST OR ALLOWANCE EQUIPMENT LIST ITEMS

## CHIEF GUNNER'S MATE TECHNICIAN (GMTC)

- 15 HYDRAULIC MAINTENANCE
- 15399 SUPERVISE MAINTENANCE AND MODERNIZATION OF HYDRAULIC EQUIPMENT
- 16 ORDNANCE AND MISSILE HANDLING
- 16340 ORGANIZE RECEIPT, MAINTENANCE, AND STORAGE OF NUCLEAR WEAPONS AND COMPONENTS
- 17 WEAPONS MAINTENANCE
- 17046 INSPECT COMPLETED MODERNIZATIONS
- 17337 DIAGNOSE THE EFFECTS OF ENVIRONMENTAL CONDITIONS UPON OPERATION OF NUCLEAR WEAPONS EQUIPMENT
- 20 SAFETY
- 20276 SUPERVISE SAFETY PROCEDURES FOR INSPECTION AND CHECKS OF NUCLEAR WEAPONS

- 24 ELECTRICAL MAINTENANCE
- 24017 ANALYZE ELECTRICAL AND ELECTRONIC DISCREPANCY TRENDS, DETERMINE DEFICIENCIES, AND RECOMMEND INSPECTION PROCEDURES OR CORRECTIVE ACTION
- 24600 SUPERVISE MAINTENANCE OF ELECTRICAL COMPONENTS
- 29 MECHANICAL MAINTENANCE/OPERATION ORDNANCE EQUIPMENT
- 29344 SUPERVISE MAINTENANCE OF NUCLEAR AND CONVENTIONAL ORDNANCE HANDLING EQUIPMENT



# OCCUPATIONAL STANDARDS AND BIBLIOGRAPHY FOR THE GMT RATING

## CHIEF GUNNER'S MATE TECHNICIAN (GMTCL)

### 38 ADMINISTRATION

- 38776 VERIFY NUCLEAR WEAPONS CHECKSHEETS
- 38777 INTERPRET THE POLICIES FOR MAINTAINING THE REQUIREMENTS OF GOVERNING DIRECTIVES FOR THE PRP
- 38782 INITIATE AND IMPLEMENT PLANS FOR INITIAL RESPONSE IN THE EVENT OF AN ACCIDENT/INCIDENT
- 38892 PREPARE WEAPONS DEPARTMENT REPORTS
- 50 MAINTENANCE PLANNING AND QUALITY ASSURANCE
- 75 ORGANIZE WORK REQUIREMENTS WITHIN ORDNANCE MAINTENANCE SHOP, ESTABLISH WORK PRIORITIES AND ASSIGN WORK
- 50988 PREPARE QUARTERLY SCHEDULES OF PREVENTIVE MAINTENANCE

### 54 LOGISTICS SUPPORT

- 54756 IMPLEMENT PROCEDURES FOR LOGISTICS MOVEMENT OF NUCLEAR WEAPONS

## SENIOR CHIEF GUNNER'S MATE TECHNICIAN (GMTCS)

### 16 ORDNANCE AND MISSILE HANDLING

- 16333 PREPARE ORDNANCE LOADING AND STOWAGE PLANS
- 20 SAFETY
- 20372 SUPERVISE THE NUCLEAR WEAPONS SAFETY PROGRAM

### 35 ADMINISTRATION

- 35476 PROVIDE INFORMATION AND ADVISE ON UTILIZATION, CAPABILITIES, RELIABILITY AND OPERATIONS IN OWN AREA OF RESPONSIBILITY
- 35478 PREPARE LOCAL DIRECTIVES AND INSTRUCTIONS FOR ATTAINING ORGANIZATION OBJECTIVES AND IMPROVING OPERATIONS
- 35479 PREPARE CORRESPONDENCE
- 35480 ESTABLISH AND IMPLEMENT A PROGRAM FOR INTERVIEWING, EVALUATING AND ASSIGNING PERSONNEL TO ASSURE MAXIMUM UTILIZATION
- 35600 REVIEW AND SUBMIT STATUS, PERFORMANCE, INVENTORY, CASUALTY, AND INSPECTION REPORTS FOR WEAPONS AND ASSOCIATED EQUIPMENT
- 35601 COORDINATE WEAPON OVERHAUL AND REPAIR WITHIN SHIPS AND BETWEEN OTHER SHIPS AND STATIONS
- 35602 ANALYZE EQUIPMENT RECORDS AND FAILURE REPORTS FOR DISCREPANCY TRENDS

## SENIOR CHIEF GUNNER'S MATE TECHNICIAN (GMTCS)

### 44 TRAINING

- 44375 ORGANIZE AND SCHEDULE TRAINING PROGRAMS, EVALUATE EFFECTIVENESS, AND INITIATE IMPROVEMENTS
- 50 MAINTENANCE PLANNING AND QUALITY ASSURANCE
- 50989 ADMINISTER A LONG RANGE PLANNED MAINTENANCE PROGRAM IN ACCORDANCE WITH THE NAVY MAINTENANCE AND MATERIAL MANAGEMENT SYSTEM AND/OR THE PREVENTIVE MAINTENANCE MANAGEMENT PLAN

### 54 LOGISTICS SUPPORT

- 54757 POST CHANGES TO SHIP EQUIPMENT CONFIGURATION ACCOUNTING SYSTEM (SECAS) AND SUBMIT REPORT TO SECAS VALIDATION FIELD OFFICE (VFO)

## MASTER CHIEF GUNNER'S MATE TECHNICIAN (GMTCM)

### 20 SAFETY

- 20373 COORDINATE AND MONITOR DEPARTMENTAL ORDNANCE SAFETY PROGRAMS

### 35 ADMINISTRATION

- 35483 PLAN, ORGANIZE, IMPLEMENT AND CONTROL ACTIVITIES IN COMPLIANCE WITH POLICY STATEMENTS, OPERATION ORDERS, AND DIRECTIVES
- 35489 FORECAST FUTURE REQUIREMENTS, AND PLAN AND INITIATE ACTION TO SATISFY REQUIREMENTS IN OWN AREA OF RESPONSIBILITY
- 35490 ESTABLISH GOALS, OBJECTIVES AND PRIORITIES IN OWN AREA OF RESPONSIBILITY
- 35492 REVIEW PERSONNEL, EQUIPMENT AND MATERIAL REQUIREMENTS
- 35603 ADVISE COMMAND OF TECHNICAL AND OPERATIONAL UTILIZATION OF NUCLEAR WEAPONS
- 35604 EVALUATE THE NEW TRENDS IN WEAPONS SYSTEMS AND WEAPONS
- 52 FINANCIAL CONTROL
- 52298 DEVELOP OPERATING BUDGETS AND MONITOR EXPENDITURES

## BIBLIOGRAPHY

(NAVEDTRA 10052-Y, MARCH 1977)



# OCCUPATIONAL STANDARDS AND BIBLIOGRAPHY FOR THE GMT RATING

Ratings (1)	Publications Titles (2)	Text Identification Number (3)	Course Identification Number (4)	Applicable Pay Grade Levels (5)
GUNNER'S MATE T (GMT)	*Gunner's Mate T 3 & 2	NAVTRA 10125-D	91377-D	E-4, E-5
	*Gunner's Mate T 1 & C	NAVPEP 10126-C	91378-D	E-6, E-7
	Gunner's Mate (G) 3 & 2	NAVETRA 10185-B	91355-4	E-4
	Loading and Underway Replenishment of Nuclear Weapons	NWP-38-1A		E-4
	Basic Electricity (Ch 1-4, 7, 14, 15)	NAVPEP 10086-B	10442-1 10443	E-4
	Instruction Book, Magazine Sprinkler System	NAVSHIPS 0348-078- 1000		E-4
	Tools and Their Uses	NAVPEP 10085-B	91228-2A	E-4
	Basic Machines	NAVPEP 10624-A	91230-F	E-4
	Fluid Power (Less Ch 14)	NAVPEP 16193-B	10439-A1	E-4
	Blueprint Reading and Sketching (Ch 1, 2, 4-7)	NAVETRA 10077-D	10077-D	E-4
	Disaster Control (Afloat and Ashore) (Ch 1, 2, 3, 6, 7, 8, 11)	NAVETRA 10899-B	10440-1	E-4
	SWOP 0-1			E-4
	SWOP 0-1B			E-4
	SWOP 35-51			E-4
	SWOP 50-1			E-4
SWOP H-Series			E-4	
SWOP 4-Series			E-4	
SWOP -1 Series			E-4	
SWOP 20-Series			E-4	
SWOP T Series			E-4	

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# OCCUPATIONAL STANDARDS AND BIBLIOGRAPHY FOR THE GMT RATING

(1) Ratings	(2) Publications Titles	(3) Text Identification Number	(4) Course Identification Number	(5) Applicable Pay Grade Levels
GUNNER'S MATE T (GMT) (Continued)	NAVSHIPS' Technical Manual (Ch 9880 Para 1017-1034, 1068-1075)	NAVSEA 0901-LP-882-0004		E-5
	Afloat Support Procedures (Ch 2, 3, 6)	NAVSUP P485		E-5
	SWOP 100-1			E-5
	SWOP 40-Series			E-5
	SWOP 51-1			E-5
	SWOP 55-1			E-5
	JCS Pub 6			E-5
	SWOP 5-8			E-6
	SWOP 50-8			E-6
	SWOP 35-Series (Except SWOP 35-51)			E-6
	SWOP 45 Series			E-6
	SWOP 100-2			E-6
	Special Incident Reporting (OPREP-3) Procedures	OPNAVINST 3100.6A		E-6
	Nuclear Weapons Accidents, Significant Incidents, and Incidents, Notification Procedures	OPNAVINST 8110.16C		E-6
	NWIP 50-3(A) App G			E-6
	SWOP 25-1			E-7
	The Weapons Officer	NAVTRA 10867-C	10722-C	E-8
	Nuclear Warfare Operations	NWP-28 (C)		E-9