

CHAPTER 73



SONAR TECHNICIAN (SURFACE) (STG)

NAVPERS 18068-73F
CH-68

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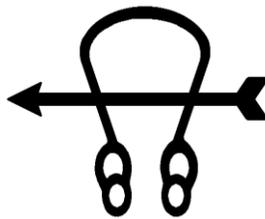
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NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

SONAR TECHNICIAN (SURFACE) (STG)



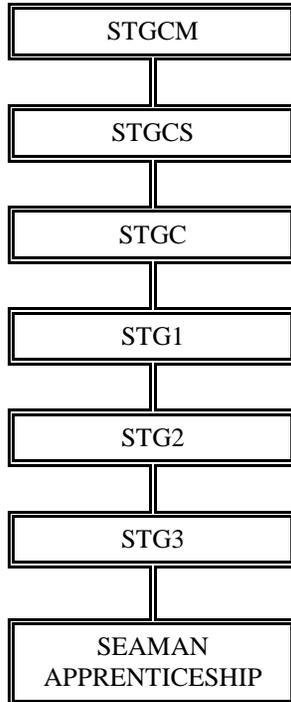
SCOPE OF RATING

Sonar Technicians (Surface) (STG) operate surface sonar and other oceanographic systems; collect, analyze, and interpret sonar and oceanographic data; operate surface ship underwater fire control systems (with associated equipment) for the solution of Anti-Submarine Warfare (ASW) problems; conduct ordnance evolutions; and perform organizational and intermediate maintenance on surface sonar and allied equipment.

This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) in Chapter 73.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title**Anti-Submarine Warfare Operations Manager****Job Code****003746****Job Family**
Management**NOC**
TBD**Short Title (30 Characters)**
ASW OPERATIONS MANAGER**Short Title (14 Characters)**
ASW OPS MGR**Pay Plan**
Enlisted**Career Field**
STG**Other Relationships and Rules**
NECs 0416, 0417, 0466, 0507, 0523, 0527, 0551, 0553, 0812, 0814, 1321**Job Description**

Anti-Submarine Warfare Operations Managers manage the employment of Undersea Warfare (USW)/Anti-Submarine Warfare (ASW) equipment; evaluate, disseminate, and make tactical Undersea Warfare (USW)/Anti-Submarine Warfare (ASW) decisions; coordinate communications; manage equipment maintenance; conduct ordnance oversight; manage training programs; and monitor watch team operations.

DoD Relationship**O*NET Relationship**

<u>Group Title</u>	<u>DoD Code</u>	<u>Occupation Title</u>	<u>SOC Code</u>	<u>Job Family</u>
Sonar, General	113000	Computer and Information Systems Managers	11-3021.00	Management

Skills

Judgment and Decision Making
Quality Control Analysis
Monitoring
Management of Material Resources
Complex Problem Solving
Coordination
Active Learning
Critical Thinking
Operation and Control
Systems Evaluation

Abilities

Deductive Reasoning
Problem Sensitivity
Written Comprehension
Time Sharing
Information Ordering
Category Flexibility
Inductive Reasoning
Written Expression
Oral Expression
Spatial Orientation

ANTI-SUBMARINE WARFARE (ASW)**Paygrade****Task Type****Task Statements**

E7	CORE	Assign final contact priorities
E5	CORE	Assign initial contact priorities
E7	CORE	Coordinate Anti-Submarine Warfare (ASW) missions
E7	CORE	Coordinate multi-force prosecutions (e.g., air, surface, and subsurface)
E7	CORE	Coordinate Surface Action Unit (SAU) procedures
E5	CORE	Correlate acoustic intelligence data
E5	CORE	Correlate multi-sensor data
E7	CORE	Develop Anti-Submarine Warfare (ASW) plans
E7	CORE	Develop Prevention of Mutual Interference (PMI) plans
E7	CORE	Develop Undersea Warfare Decision Support System (USWDSS) force lay down plans
E7	CORE	Develop Water Space Management (WSM) plans
E5	NON-CORE	Evaluate Anti-Submarine Warfare (ASW) plots
E7	CORE	Evaluate Anti-Submarine Warfare (ASW) search and attack plans
E7	CORE	Evaluate final contact classifications
E5	CORE	Evaluate Target Motion Analysis (TMA)
E7	CORE	Evaluate Undersea Warfare Decision Support System (USWDSS) force lay down plans

ANTI-SUBMARINE WARFARE (ASW) (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E7	CORE	Finalize Target Motion Analysis (TMA)
E7	CORE	Manage Anti-Submarine Warfare (ASW) safety programs and instructions
E7	CORE	Manage battle group Anti-Submarine Warfare (ASW) operations
E7	CORE	Manage Integrated Undersea Surveillance System (IUSS) operations
E6	CORE	Manage shipboard Anti-Submarine Warfare (ASW) operations
E5	CORE	Recommend actions to reduce own ships detectability
E5	CORE	Recommend evasive steering actions
E5	CORE	Recommend torpedo evasion tactics
E6	NON-CORE	Supervise Integrated Undersea Surveillance System (IUSS) operations
E5	CORE	Supervise shipboard Anti-Submarine Warfare (ASW) operations
E5	CORE	Supervise small object avoidance operations
E7	CORE	Supervise towed systems handling operations
E7	CORE	Verify Anti-Submarine Warfare (ASW) systems Standard Operating Procedures (SOP)

AUXILIARY AND SUPPORT SYSTEMS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	CORE	Configure torpedo countermeasure systems
E7	CORE	Manage sonar dome pressurization system operations
E5	CORE	Supervise sonar dome pressurization system operations

EQUIPMENT ADMINISTRATION

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E7	CORE	Approve equipment installations, testing, and alterations
E7	CORE	Coordinate equipment certifications and recertifications
E6	CORE	Draft Casualty Reports (CASREP)
E5	CORE	Maintain preventive maintenance documents
E6	CORE	Manage controlled equipment
E7	CORE	Manage divisional equipment and system configuration and maintenance operations
E6	CORE	Manage network software and firmware operations
E6	CORE	Manage underwater system password accounts
E5	CORE	Supervise controlled equipment inventories
E6	CORE	Supervise divisional equipment and system configuration and maintenance operations
E5	NON-CORE	Supervise equipment installations, testing, and alterations
E5	CORE	Supervise Maintenance Assistance Modules (MAM) usage
E5	CORE	Supervise work center equipment and system configuration and maintenance operations

EQUIPMENT ADMINISTRATION (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E7	CORE	Verify Casualty Reports (CASREP)
E6	CORE	Verify equipment installations, testing, and alterations

ORDNANCE EVOLUTIONS AND MAGAZINE SYSTEMS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E7	NON-CORE	Coordinate ordnance handling evolutions
E7	NON-CORE	Coordinate ordnance stowage
E5	NON-CORE	Inventory ordnance
E7	NON-CORE	Manage ordnance fuel spill decontaminations
E7	NON-CORE	Manage ordnance handling evolutions
E7	NON-CORE	Manage ordnance stowage evolutions
E7	NON-CORE	Monitor ordnance handling evolutions
E7	NON-CORE	Monitor ordnance inspections
E6	NON-CORE	Supervise ordnance fuel spill decontaminations
E6	NON-CORE	Supervise Ordnance Handling Equipment (OHE) testing
E6	NON-CORE	Supervise ordnance handling evolutions
E6	NON-CORE	Supervise ordnance inspections
E6	NON-CORE	Supervise ordnance stowage evolutions

TECHNICAL CORE FUNDAMENTALS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	NON-CORE	Assess Electromagnetic Interference (EMI) and Radio Frequency Interference (RFI) effects on sonobuoy systems
E6	CORE	Manage Combat Systems Operational Sequencing System (CSOSS) operations
E6	CORE	Train technicians in casualty control procedures
E5	CORE	Update Combat Systems Operational Sequencing Systems (CSOSS)

UNDERWATER ANALYSIS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E7	CORE	Manage tactical oceanographic analysis operations
E5	CORE	Supervise tactical oceanographic analysis operations

WATCH TEAM OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	CORE	Calculate maneuvering board solutions
E5	CORE	Configure systems for training operations
E5	CORE	Direct execution of warfare Commander's messages and intentions
E7	CORE	Manage Anti-Submarine Warfare (ASW) doctrine statements
E7	CORE	Manage Anti-Submarine Warfare (ASW) system alignment evolutions
E6	CORE	Manage Anti-Submarine Warfare (ASW) watchstander qualification processes
E5	CORE	Mitigate biological and environmental effects on acoustic data
E5	CORE	Supervise Anti-Submarine Warfare (ASW) system alignment evolutions

WATCH TEAM OPERATIONS (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	CORE	Supervise sonar control during casualty conditions
E5	CORE	Supervise sonar control during special evolutions
E5	CORE	Supervise sonar watch team performance
E5	CORE	Transition sonar control between conditions of readiness
E7	CORE	Verify message formats

Job Title**Anti-Submarine Warfare Equipment Operator****Job Code****003747****Job Family**

Military Specific

NOC

TBD

Short Title (30 Characters)

ASW EQUIPMENT OPERATOR

Short Title (14 Characters)

ASW EQUIP OPER

Pay Plan

Enlisted

Career Field

STG

Other Relationships and Rules

NECs 0340, 0342, 0356, 0402, 0406, 0410, 0411, 0414, 0415, 0430, 0450, 0505, 0510, 0511, 0521, 0524, 0540, 0550, 0552, 1213, 5328, 7846, 98AS

Job Description

Anti-Submarine Warfare Equipment Operators operate sonar systems, underwater fire control systems, and support equipment on combatant surface ships and fixed shore stations; conduct undersea surveillance and aid in safe navigation; use shipboard equipment and fixed shore equipment to detect, analyze, and locate targets of interest; conduct ordnance handling; and operate various support equipment.

DoD Relationship**Group Title**

Sonar, General

DoD Code

113000

O*NET Relationship**Occupation Title**

Radar and Sonar Technicians

SOC Code

55-3017.00

Job Family

Military Specific

Skills*Complex Problem Solving**Operation and Control**Coordination**Critical Thinking**Judgment and Decision Making**Speaking**Active Learning**Quality Control Analysis**Reading Comprehension**Management of Material Resources***Abilities***Deductive Reasoning**Written Comprehension**Control Precision**Problem Sensitivity**Manual Dexterity**Mathematical Reasoning**Written Expression**Information Ordering**Inductive Reasoning**Selective Attention***ANTI-SUBMARINE WARFARE (ASW)****Paygrade**

E4

Task Type

CORE

Task Statements

Analyze Contacts of Interest (COI)

E5

CORE

Assign initial contact priorities

E4

CORE

Assign symbology to contacts

E4

CORE

Calculate contact ranges

E4

CORE

Compute contact course and speed

E4

NON-CORE

Conduct Integrated Undersea Surveillance System (IUSS) operations

E4

CORE

Conduct shipboard sonar search and attack operations

E4

CORE

Conduct Target Motion Analysis (TMA)

E5

NON-CORE

Configure Anti-Submarine Warfare (ASW) fire control systems

E4

CORE

Configure Expendable Mobile Anti-Submarine Training Targets (EMATT)

E4

CORE

Configure sonobuoys

E5

CORE

Correlate acoustic intelligence data

E5

CORE

Correlate multi-sensor data

E4

CORE

Deploy Expendable Mobile Anti-Submarine Training Targets (EMATT)

E4

CORE

Deploy sonobuoys

E4

CORE

Develop threat briefs

E5

NON-CORE

Engage underwater contacts with anti-submarine weapons

E4

CORE

Evaluate contact information

ANTI-SUBMARINE WARFARE (ASW) (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	CORE	Evaluate Target Motion Analysis (TMA)
E4	CORE	Generate acoustic data media recordings
E5	NON-CORE	Input Anti-Submarine Warfare (ASW) fire control parameters
E4	CORE	Input Undersea Warfare Decision Support System (USWDSS) force lay down plan parameters
E4	CORE	Interpret contact symbologies
E4	CORE	Log amplifying Contact of Interest (COI) data
E4	CORE	Perform Battle Damage Assessments (BDA)
E4	CORE	Perform preventive maintenance on Anti-Submarine Warfare (ASW) fire control systems
E4	CORE	Prepare acoustic data media for shipment
E5	CORE	Recommend actions to reduce own ships detectability
E5	CORE	Recommend Anti-Submarine Warfare (ASW) search and attack plans
E5	CORE	Recommend evasive steering actions
E4	CORE	Recommend own ships course and speed changes
E5	CORE	Recommend torpedo evasion tactics
E4	CORE	Report break point and ambient limited speeds
E4	CORE	Report contact bearing
E4	CORE	Report Contacts of Interest (COI)
E4	CORE	Resolve towed array ambiguities
E6	NON-CORE	Supervise Integrated Undersea Surveillance System (IUSS) operations
E5	CORE	Supervise shipboard Anti-Submarine Warfare (ASW) operations
E5	CORE	Supervise small object avoidance operations
E4	CORE	Track Contacts of Interest (COI)
E4	CORE	Update contact information

AUXILIARY AND SUPPORT SYSTEMS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Configure auxiliary air and cooling water systems
E4	CORE	Configure depth sounding systems
E4	CORE	Configure sonar dome pressurization systems
E5	CORE	Configure torpedo countermeasure systems
E4	CORE	Configure underwater communication systems equipment
E4	CORE	Document external communications
E4	CORE	Perform external communications (e.g., ship-to-ship, ship-to-shore, ship-to-air, and ship-to-sub)
E4	CORE	Perform internal communications (e.g., amplified voice communications, sound powered phone, and ships service telephone)

AUXILIARY AND SUPPORT SYSTEMS (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Perform preventive maintenance on Expendable Bathythermograph (XBT) equipment
E4	CORE	Perform preventive maintenance on valves
E4	CORE	Perform torpedo countermeasure stream and recovery operations
E4	CORE	Repair valves
E4	CORE	Test valves

EQUIPMENT ADMINISTRATION

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Collect equipment and system status data
E4	CORE	Document equipment status
E4	CORE	Inspect work areas, tools, and equipment
E4	CORE	Inventory controlled equipment
E5	CORE	Supervise work center equipment and system configuration and maintenance operations

ORDNANCE EVOLUTIONS AND MAGAZINE SYSTEMS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	NON-CORE	Inspect ordnance containers
E4	NON-CORE	Inspect ordnance magazines and lockers
E4	NON-CORE	Install torpedo flight accessories
E5	NON-CORE	Inventory ordnance
E4	NON-CORE	Pack naval ordnance
E4	NON-CORE	Perform ordnance fuel spill decontamination procedures
E4	NON-CORE	Perform Ordnance Handling Equipment (OHE) operations
E4	NON-CORE	Perform ordnance inspections
E4	NON-CORE	Perform torpedo pre-fire tests
E4	NON-CORE	Prepare ordnance for transporting
E4	NON-CORE	Stow naval ordnance
E4	NON-CORE	Test Ordnance Handling Equipment (OHE)
E4	NON-CORE	Transfer naval ordnance
E4	NON-CORE	Transport naval ordnance
E4	NON-CORE	Unpack naval ordnance

SONAR SYSTEMS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Configure computer and peripheral systems
E4	CORE	Configure environmental range prediction systems
E4	CORE	Configure tactical display systems
E4	CORE	Launch Expendable Bathythermographs (XBT)
E4	CORE	Make tow point changes

SONAR SYSTEMS (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Perform towed array stream and recovery operations
E4	CORE	Prepare towed array and handling equipment for deployment and recovery operations

TECHNICAL CORE FUNDAMENTALS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	NON-CORE	Assess Electromagnetic Interference (EMI) and Radio Frequency Interference (RFI) effects on sonobuoy systems
E4	CORE	Configure General Purpose Electronic Test Equipment (GPETE)
E4	NON-CORE	Interpret blueprints and ship drawings
E4	CORE	Perform Combat Systems Operational Sequencing System (CSOSS) procedures (e.g., casualty responses/operations, normal operations, energize/de-energize equipment, etc.)
E4	CORE	Perform corrosion prevention and control procedures on Anti-Submarine Warfare (ASW) systems
E4	CORE	Troubleshoot valves

UNDERWATER ANALYSIS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Analyze active acoustic data
E4	CORE	Analyze Expendable Bathythermograph (XBT) data
E4	CORE	Analyze passive acoustic data
E4	CORE	Analyze tactical oceanographic data
E4	CORE	Calculate best depth for submarine to avoid detection
E4	CORE	Calculate bottom loss
E4	CORE	Calculate real time sound propagation changes
E4	CORE	Calculate turn counts and Shaft Revolutions Per Minute (SRPM)
E4	CORE	Collect acoustic intelligence data
E4	CORE	Report biological effects on acoustic data
E4	CORE	Report environmental effects on acoustic data
E4	CORE	Report evasion devices and acoustic jamming
E4	CORE	Report initial contact classifications
E4	CORE	Report sources of self noise

WATCH TEAM OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Align Anti-Submarine Warfare (ASW) systems
E4	CORE	Calculate environmental range predictions
E5	CORE	Calculate maneuvering board solutions
E6	CORE	Comply with warfare Commander's messages and intentions
E4	CORE	Conduct active sonar searches

WATCH TEAM OPERATIONS (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Conduct passive sonar searches
E5	CORE	Configure systems for training operations
E5	CORE	Direct execution of warfare Commander's messages and intentions
E4	CORE	Draft messages
E4	CORE	Interpret Naval messages
E4	CORE	Make operational and situational reports
E5	CORE	Mitigate biological and environmental effects on acoustic data
E5	NON-CORE	Monitor assignment and engagement status of own ships weapon systems
E4	CORE	Report bottom depth
E4	CORE	Review Anti-Submarine Warfare (ASW) doctrines
E4	CORE	Review combat systems equipment status
E4	CORE	Review Rules of Engagement (ROE)
E5	CORE	Supervise Anti-Submarine Warfare (ASW) system alignment evolutions
E5	CORE	Supervise sonar control during casualty conditions
E5	CORE	Supervise sonar control during special evolutions
E4	CORE	Update plotting and status boards

Job Title**Anti-Submarine Warfare Equipment Technician****Job Code****003748****Job Family**

Installation, Maintenance, and Repair

NOC

TBD

Short Title (30 Characters)

ASW EQUIPMENT TECHNICIAN

Short Title (14 Characters)

ASW EQUIP TECH

Pay Plan

Enlisted

Career Field

STG

Other Relationships and Rules

NECs 0402, 0410, 0414, 0415, 0455, 0506, 0509, 0510, 0522, 0525, 0541, 1212, 1591, 9616, 98AS

Job Description

Anti-Submarine Warfare Equipment Technicians maintain, troubleshoot, and repair sonar systems, underwater fire control systems, and support equipment on combatant surface ships and fixed shore stations.

DoD Relationship**Group Title**

Sonar, General

DoD Code

113000

O*NET Relationship**Occupation Title**Electrical and Electronics
Repairers, Commercial and
Industrial Equipment**SOC Code**

49-2094.00

Job FamilyInstallation, Maintenance,
and Repair**Skills***Reading Comprehension*
Complex Problem Solving
Quality Control Analysis
Troubleshooting
Operation Monitoring
Repairing
Systems Evaluation
Equipment Maintenance
Operation and Control
*Critical Thinking***Abilities***Deductive Reasoning*
Problem Sensitivity
Manual Dexterity
Written Comprehension
Control Precision
Information Ordering
Inductive Reasoning
Written Expression
Time Sharing
*Hearing Sensitivity***ANTI-SUBMARINE WARFARE (ASW)****Paygrade**

E4

Task Type

CORE

Task Statements

Perform preventive maintenance on Anti-Submarine Warfare (ASW) fire control systems

E4

NON-CORE

Repair Anti-Submarine Warfare (ASW) fire control systems

E4

NON-CORE

Test Anti-Submarine Warfare (ASW) fire control systems

E4

NON-CORE

Troubleshoot Anti-Submarine Warfare (ASW) fire control systems

AUXILIARY AND SUPPORT SYSTEMS**Paygrade**

E4

Task Type

CORE

Task Statements

Configure sonar dome pressurization systems

E4

CORE

Perform internal communications (e.g., amplified voice communications, sound powered phone, and ships service telephone)

E4

CORE

Perform preventive maintenance on auxiliary air and cooling water systems

E4

CORE

Perform preventive maintenance on depth sounding systems

E4

CORE

Perform preventive maintenance on environmental range prediction systems

E4

CORE

Perform preventive maintenance on Expendable Bathythermograph (XBT) equipment

E4

CORE

Perform preventive maintenance on sonar dome pressurization systems

E4

CORE

Perform preventive maintenance on torpedo countermeasure systems

AUXILIARY AND SUPPORT SYSTEMS (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Perform preventive maintenance on underwater communication systems
E4	NON-CORE	Repair auxiliary air and cooling water systems
E4	NON-CORE	Repair depth sounding systems
E4	NON-CORE	Repair environmental range prediction systems
E4	NON-CORE	Repair Expendable Bathythermograph (XBT) equipment
E4	NON-CORE	Repair sonar dome pressurization systems
E4	NON-CORE	Repair torpedo countermeasure systems
E4	NON-CORE	Repair underwater communication systems
E4	NON-CORE	Test auxiliary air and cooling water systems
E4	NON-CORE	Test depth sounding systems
E4	NON-CORE	Test environmental range prediction systems
E4	NON-CORE	Test Expendable Bathythermograph (XBT) equipment
E4	NON-CORE	Test shipboard communication systems
E4	NON-CORE	Test sonar dome pressurization systems
E4	NON-CORE	Test torpedo countermeasure systems
E4	NON-CORE	Test underwater communication systems
E4	NON-CORE	Troubleshoot auxiliary air and cooling water systems
E4	NON-CORE	Troubleshoot depth sounding systems
E4	NON-CORE	Troubleshoot environmental range prediction systems
E4	NON-CORE	Troubleshoot Expendable Bathythermograph (XBT) equipment
E4	NON-CORE	Troubleshoot sonar dome pressurization systems
E4	NON-CORE	Troubleshoot torpedo countermeasure systems
E4	NON-CORE	Troubleshoot underwater communication systems

EQUIPMENT ADMINISTRATION

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Collect equipment and system status data
E4	CORE	Document equipment status
E4	CORE	Inspect work areas, tools, and equipment
E4	CORE	Inventory controlled equipment
E4	NON-CORE	Inventory network software and firmware
E4	NON-CORE	Maintain underwater system password accounts
E4	CORE	Review technical briefs, notices, and bulletins
E4	NON-CORE	Supervise contractor installations
E5	NON-CORE	Supervise equipment installations, testing, and alterations
E5	CORE	Supervise work center equipment and system configuration and maintenance operations
E4	NON-CORE	Update network software and firmware

SONAR SYSTEMS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	NON-CORE	Configure network systems
E4	CORE	Perform preventive maintenance on active sonar systems
E4	CORE	Perform preventive maintenance on computer and peripheral systems
E4	CORE	Perform preventive maintenance on network systems
E4	CORE	Perform preventive maintenance on passive sonar systems
E4	CORE	Perform preventive maintenance on tactical display systems
E4	CORE	Perform preventive maintenance on towed array and handling equipment
E4	CORE	Prepare towed array and handling equipment for deployment and recovery operations
E4	NON-CORE	Repair active sonar systems
E4	NON-CORE	Repair computer and peripheral systems
E4	NON-CORE	Repair network systems
E4	NON-CORE	Repair passive sonar systems
E4	NON-CORE	Repair tactical display systems
E4	NON-CORE	Repair towed array and handling equipment
E4	NON-CORE	Test active sonar systems
E4	NON-CORE	Test computer and peripheral systems
E4	NON-CORE	Test network systems
E4	NON-CORE	Test passive sonar systems
E4	NON-CORE	Test tactical display systems
E4	NON-CORE	Test towed array and handling equipment
E4	NON-CORE	Troubleshoot active sonar systems
E4	NON-CORE	Troubleshoot computer and peripheral systems
E4	NON-CORE	Troubleshoot network systems
E4	NON-CORE	Troubleshoot passive sonar systems
E4	NON-CORE	Troubleshoot tactical display systems
E4	NON-CORE	Troubleshoot towed array and handling equipment

TECHNICAL CORE FUNDAMENTALS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	NON-CORE	Assess Electromagnetic Interference (EMI) and Radio Frequency Interference (RFI) effects on sonobuoy systems
E4	CORE	Configure General Purpose Electronic Test Equipment (GPETE)
E4	CORE	Configure Special Purpose Electronic Test Equipment (SPETE)
E4	NON-CORE	Interpret blueprints and ship drawings
E4	NON-CORE	Interpret electronic schematics
E4	NON-CORE	Interpret mechanical drawings
E4	NON-CORE	Interpret technical manuals
E4	NON-CORE	Perform basic soldering on electrical and electronic equipment

TECHNICAL CORE FUNDAMENTALS (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Perform Combat Systems Operational Sequencing System (CSOSS) procedures (e.g., casualty responses/operations, normal operations, energize/de-energize equipment, etc.)
E4	CORE	Perform corrosion prevention and control procedures on Anti-Submarine Warfare (ASW) systems
E4	NON-CORE	Perform digital logic numeric conversions
E4	CORE	Perform preventive maintenance on fiber optic cables and connectors
E4	CORE	Perform preventive maintenance on interconnecting cables and connectors
E4	NON-CORE	Repair fiber optic cables and connectors
E4	NON-CORE	Repair interconnecting cables and connectors
E4	NON-CORE	Test fiber optic cables and connectors
E4	NON-CORE	Test interconnecting cables and connectors
E4	NON-CORE	Troubleshoot Alternating Current (AC) circuits
E4	NON-CORE	Troubleshoot digital circuits
E4	NON-CORE	Troubleshoot Direct Current (DC) circuits
E4	NON-CORE	Troubleshoot fiber optic cables and connectors
E4	NON-CORE	Troubleshoot interconnecting cables and connectors

WATCH TEAM OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Align Anti-Submarine Warfare (ASW) systems
E5	CORE	Configure systems for training operations
E4	NON-CORE	Manage system databases