

CHAPTER 12



NAVAL AIRCREWMAN (OPERATOR) (AWO)

NAVPERS 18068F-12J
Change 100

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NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

NAVAL AIRCREWMEN (OPERATOR) (AWO)



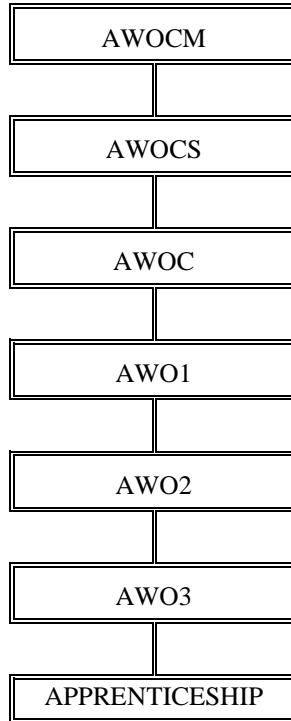
SCOPE OF RATING

Naval Aircrewmens (Operator) (AWO) operate advanced airborne tactical systems onboard Maritime Patrol and Reconnaissance Aircraft (MPRA) and Unmanned Aerial Systems (UAS) utilizing Mission Acoustic Subsystem (MAS), Radio Detection and Ranging (RADAR), Electronic Support Measures (ESM), Identification Friend or Foe/Selective Identification Feature (IFF/SIF), Multi-Static Active Coherent system, active, passive, and special sonobuoy, Advanced Airborne Sensor (AAS), Electronic Intelligence (ELINT), and Electro-Optic/Infrared (EO/IR) sensors to detect, analyze, classify, track, and attack surface, subsurface, land, and airborne contacts; support mission planning, safeguard classified material, handle ordnance, collect and produce intelligence products for aircrews and theater Commanders in support of operations and tactical missions worldwide.

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 12.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer 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**Acoustic Systems Specialist****Job Code****002544****Job Family**

Military Specific

NOC

TBD

Short Title (30 Characters)

ACOUSTIC SYSTEMS SPECIALIST

Short Title (14 Characters)

NAC ACOUS SPEC

Pay Plan

Enlisted

Career Field

AWO

Other Relationships and Rules

NEC GXXX and 7XXX series and other NECs as assigned

Job Description

Acoustic Systems Specialists are members of an integrated Combat Aircrew aboard Maritime Patrol and Reconnaissance Aircraft (MPRA); perform aircrew duties to detect, analyze, classify, track, and attack surface and subsurface contacts utilizing state of the art acoustic technology; operate advanced tactical systems utilizing sonobuoys, acoustic and oceanographic data, hand-held imagery devices, Electro-Optic/Infrared (EO/IR) and Advanced Airborne Sensor (AAS); attain and maintain aircrew qualifications and certifications; handle ordnance; train in acoustic intelligence analysis; support mission planning, safeguard classified material, and train to conduct tactical operations worldwide.

DoD Relationship**Group Title**

Sonar Operator, General

DoD Code

121000

O*NET Relationship**Occupation Title**

Air Crew Members

SOC Code

55-3011.00

Job Family

Military Specific

Skills

Coordination

Operation and Control

Management of Material Resources

Critical Thinking

Complex Problem Solving

Monitoring

Judgment and Decision Making

Speaking

Learning Strategies

Writing

Abilities

Information Ordering

Deductive Reasoning

Written Expression

Inductive Reasoning

Oral Expression

Problem Sensitivity

Written Comprehension

Memorization

Oral Comprehension

Spatial Orientation

AIRCREW ADMINISTRATION**Paygrade**

E6

Task Type

NON-CORE

Task Statements

Brief fleet acquisition programs

E7

NON-CORE

Brief fleet aviation training requirements to upper echelon

E6

NON-CORE

Conduct Flight Order Audit Boards (FOAB)

E4

CORE

Maintain tactical publication library

E7

CORE

Manage aircrew assignments

E7

NON-CORE

Manage fleet acquisition programs

E5

CORE

Manage Naval Air Training and Operating Procedures Standardization (NATOPS) programs

E7

CORE

Manage Temporary Flight Orders (TFO) program

E6

CORE

Prepare flight hour reports

E5

CORE

Prepare flight schedules

E5

CORE

Prepare mission capability briefs

E4

CORE

Update flight time logbooks

E4

CORE

Verify individual flight time summaries

AIRCREW DUTIES**Paygrade**

E4

Task Type

CORE

Task Statements

Analyze mission tactical plots during on-station period

E4

CORE

Analyze threat data

E4

NON-CORE

Assign aircraft ditching stations

AWO-5

AIRCREW DUTIES (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Capture aerial hand-held photography
E4	CORE	Classify visual contacts
E4	CORE	Collect Acoustic Intelligence (ACINT)
E5	CORE	Conduct aircraft integrity inspections
E5	NON-CORE	Conduct Unmanned Aerial Vehicle (UAV) operations
E5	CORE	Conduct visual searches
E5	NON-CORE	Conduct weapons bay door operations
E4	CORE	Configure aircraft equipment for rescue missions
E4	CORE	Configure aircraft for internal cargo operations
E5	CORE	Develop tactical search plan
E4	CORE	Document aircraft discrepancies
E4	CORE	Document in-flight maintenance
E4	CORE	Identify stores/pyrotechnic communications
E4	CORE	Monitor Automatic Identification System (AIS) surface contacts
E4	CORE	Monitor engine start-ups
E4	CORE	Monitor weapons employment
E4	CORE	Perform Advanced Airborne Sensor (AAS) operations
E4	CORE	Perform aircraft emergency procedures
E4	CORE	Perform aircraft ground handling operations
E5	NON-CORE	Perform aircraft loss communication procedures
E4	CORE	Perform aircraft pre-flight and post-flight inspections
E4	CORE	Perform aircraft safety and emergency equipment operations
E4	CORE	Perform aircraft security
E4	CORE	Perform Air-to-Air Refueling (AAR) procedures
E4	CORE	Perform Auxiliary Power Unit (APU) operations
E4	CORE	Perform Bomb Hit Assessments (BHA)
E4	CORE	Perform Crew Resource Management (CRM)
E4	CORE	Perform drug interdiction operations
E4	CORE	Perform individual aircrew mission briefs
E4	CORE	Perform in-flight observer duties
E4	CORE	Perform mission planning
E4	CORE	Perform passenger safety briefs
E4	CORE	Perform pre-flight and post-flight checks of survival equipment
E4	NON-CORE	Perform preservation and depreservation procedures
E4	CORE	Perform Search And Rescue (SAR) procedures
E4	CORE	Plot geographical areas
E4	CORE	Plot Position of Intended Movement (PIM) tracks
E4	CORE	Plot tactical symbologies
E4	NON-CORE	Prepare aircraft for static displays

AIRCREW DUTIES (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Prepare mission summary logs
E4	CORE	Review aircraft records
E4	CORE	Troubleshoot tactical systems
E4	CORE	Update tactical databases
E4	CORE	Verify attack criteria for recommended weapons release

AIRCREW TRAINING

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	NON-CORE	Analyze emerging technology to meet fleet aviation training requirements
E6	CORE	Analyze monthly training and operation reports
E5	CORE	Conduct Air Combat Training Continuum (ACTC) evaluations
E5	CORE	Conduct individual and crew tactical evaluations
E5	NON-CORE	Conduct land survival training
E5	NON-CORE	Conduct Naval Air Training and Operating Procedures Standardization (NATOPS) evaluations
E5	CORE	Control operations of Weapons Systems Trainer (WST)
E6	NON-CORE	Coordinate warfare exercises
E5	NON-CORE	Coordinate weapons systems designs with contract engineers
E5	CORE	Determine aircrew requirements for flight events and training devices
E5	CORE	Develop aircrew training plans
E5	NON-CORE	Develop tactical exams
E5	NON-CORE	Develop tactical proficiency programs
E5	NON-CORE	Develop tactical Weapons Systems Trainer (WST) scenarios
E5	CORE	Evaluate aircrew qualification and readiness programs
E5	NON-CORE	Evaluate aircrew training programs
E5	NON-CORE	Evaluate tactical equipment programs
E5	NON-CORE	Implement aircrew course curriculum changes
E6	CORE	Manage Air Combat Training Continuum (ACTC) programs
E5	CORE	Manage aircrew training materials
E6	CORE	Manage aircrew training programs
E5	CORE	Manage Crew Resource Management (CRM) programs
E6	NON-CORE	Manage readiness evaluation programs
E7	NON-CORE	Monitor Fleet Replacement Squadron (FRS) student production
E5	CORE	Prepare monthly training and operation reports
E5	CORE	Prepare tactical lessons learned
E7	CORE	Verify training and readiness matrix

COMMUNICATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	CORE	Conduct communication through visual/hand signals
E4	CORE	Control operations of communications equipment

COMMUNICATIONS (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Interpret tactical messages
E4	CORE	Monitor radio communications
E4	CORE	Perform brevity code communications
E4	CORE	Perform on-station mission turnovers/swaps
E7	CORE	Perform Operational Reporting (OPREP) procedures
E4	CORE	Report contacts
E4	CORE	Report in-flight status
E4	CORE	Report Targets of Interest (TOI)
E4	CORE	Review card of the day
E4	CORE	Safeguard Communications Security (COMSEC) classified materials
E4	CORE	Transfer Communications Security (COMSEC) materials

ENVIRONMENTAL

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Analyze environmental data
E4	CORE	Determine optimal sonobuoy depths
E4	CORE	Determine sensor effectiveness/placement in given environmental conditions
E4	CORE	Perform environmental calculations
E4	CORE	Record on-station environmental data

OPERATIONS AND LOGISTICS MANAGEMENT

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E7	NON-CORE	Conduct detachment site surveys
E6	NON-CORE	Coordinate aircraft assignments with maintenance control
E7	CORE	Coordinate aircraft availability for long and short range planning
E6	NON-CORE	Coordinate airlift support
E7	CORE	Coordinate logistical operations
E6	NON-CORE	Manage flight operations
E7	CORE	Manage Humanitarian Assistance and Disaster Relief (HADR) mission
E7	CORE	Manage operation assets
E6	CORE	Organize Search And Rescue (SAR) and Combat Search And Rescue (CSAR) operations
E4	CORE	Perform Humanitarian Assistance and Disaster Relief (HADR) operations
E4	CORE	Perform passenger transports
E6	NON-CORE	Prepare country clearance requests
E5	NON-CORE	Verify hot areas and air space restrictions

PYROTECHNICS/STORES

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Deploy search stores/pyrotechnics
E4	CORE	Identify capabilities and limitations of search stores
E4	CORE	Inspect search stores/pyrotechnics

PYROTECHNICS/STORES (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Load search stores/pyrotechnics
E4	CORE	Monitor sonobuoy deployment
E4	CORE	Track search stores/pyrotechnics expenditures

SENSOR SYSTEMS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Acquire signals for recording
E4	CORE	Analyze passive, active, and multi-static acoustic contact data
E4	CORE	Classify Electro-Optical (EO) and Infrared (IR) contact information
E4	CORE	Classify passive, active, and multi-static acoustic contact data
E5	NON-CORE	Conduct aircraft systems testing
E5	CORE	Conduct Electro-Optical (EO) and Infrared (IR) surveillance
E4	CORE	Configure operating software
E4	CORE	Coordinate positional signal detections
E4	CORE	Determine non-target data
E4	CORE	Identify sonobuoy aural cues
E4	NON-CORE	Load mission software
E4	CORE	Manage acoustic mission equipment
E4	CORE	Manage mission systems
E4	CORE	Monitor in-flight aircraft stand-offs
E4	CORE	Optimize sensor effectiveness
E4	CORE	Perform audio/video recording procedures
E4	CORE	Perform in-flight imagery analysis
E5	CORE	Perform mission equipment operational checks
E4	CORE	Perform multi-static searches
E4	CORE	Perform passive acoustic searches
E4	CORE	Track Target of Interest (TOI)

TACTICAL OPERATIONS CENTER (TOC)/MOBILE TACTICAL OPERATIONS CENTERS (MTOC)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	NON-CORE	Analyze tactical missions data/Post Mission Analysis (PMA)
E5	NON-CORE	Conduct Carrier, Fixed Wing Aircraft, Nuclear Tactical Operation Center (CVN-TOC) operations
E5	CORE	Conduct crew mission briefs and debriefs
E5	NON-CORE	Conduct Mobile Tactical Operations Center (MTOC) loadmaster responsibilities
E5	NON-CORE	Conduct watch team positional training
E5	NON-CORE	Control operations of analysis equipment
E7	NON-CORE	Coordinate Naval Special Warfare (NSW) operations
E6	NON-CORE	Coordinate Operating Area (OPAREA) schedules with external agencies
E5	NON-CORE	Coordinate operations with tactical watch officers
E6	CORE	Coordinate tactical exercises and missions

**TACTICAL OPERATIONS CENTER (TOC)/MOBILE TACTICAL OPERATIONS CENTERS (MTOC)
(CONT'D)**

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	NON-CORE	Issue mission equipment
E4	NON-CORE	Perform Support Equipment (SE) operations
E5	NON-CORE	Prepare post-flight Naval messages
E7	NON-CORE	Release post-mission data in Naval messages
E5	NON-CORE	Setup communication antenna fields
E5	CORE	Setup tactical stations
E5	NON-CORE	Supervise Support Equipment (SE) operations

TARGET MOTION ANALYSIS AND TACTICAL CALCULATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Calculate active and passive ranges
E4	CORE	Calculate Figure of Merit (FOM)
E4	CORE	Calculate visual search altitudes
E4	CORE	Define Area of Probability (AOP)
E4	CORE	Determine Target of Interest (TOI) datum
E4	CORE	Identify contact's Closest Point of Approach (CPA)
E4	CORE	Perform Target Motion Analysis (TMA) calculations

Job Title**Electronic Warfare Systems Specialist****Job Code****002571****Job Family**

Military Specific

NOC

TBD

Short Title (30 Characters)

ELECTRONIC WARFARE SYS SPEC

Short Title (14 Characters)

EW SYS SPEC

Pay Plan

Enlisted

Career Field

AWO

Other Relationships and Rules

NEC GXXX and 7XXX series and other NECs as assigned

Job Description

Electronic Warfare Systems Specialists are members of an integrated Combat Aircrew aboard Maritime Patrol and Reconnaissance Aircraft (MPRA) and Unmanned Aircraft Systems (UAS); perform aircrew duties to detect, analyze, classify, localize, track, and attack surface, subsurface, land, and airborne contacts; operate radar, Electronic Support Systems (ES), Identification Friend or Foe/Selective Identification Feature (IFF/SIF), and Electro-Optic/Infrared (EO/IR) systems; coordinate with surface, ground and air assets; attain and maintain aircrew qualifications and certifications; handle ordnance; train in Electronic Intelligence (ELINT) analysis; support mission planning, safeguard classified material, and train to conduct tactical operations worldwide.

DoD Relationship**Group Title**

Sonar Operator, General

DoD Code

121000

O*NET Relationship**Occupation Title**

Air Crew Members

SOC Code

55-3011.00

Job Family

Military Specific

Skills*Operation and Control**Coordination**Management of Material Resources**Critical Thinking**Complex Problem Solving**Monitoring**Systems Analysis**Judgment and Decision Making**Speaking**Learning Strategies***Abilities***Information Ordering**Deductive Reasoning**Written Expression**Inductive Reasoning**Oral Expression**Problem Sensitivity**Memorization**Written Comprehension**Spatial Orientation**Oral Comprehension***AIRCREW ADMINISTRATION****Paygrade****Task Type****Task Statements**

E6

NON-CORE

Brief fleet acquisition programs

E7

NON-CORE

Brief fleet aviation training requirements to upper echelon

E6

NON-CORE

Conduct Flight Order Audit Boards (FOAB)

E4

CORE

Maintain tactical publication library

E7

CORE

Manage aircrew assignments

E7

NON-CORE

Manage fleet acquisition programs

E5

CORE

Manage Naval Air Training and Operating Procedures Standardization (NATOPS) programs

E7

CORE

Manage Temporary Flight Orders (TFO) program

E6

CORE

Prepare flight hour reports

E5

CORE

Prepare flight schedules

E5

CORE

Prepare mission capability briefs

E4

CORE

Update flight time logbooks

E4

CORE

Verify individual flight time summaries

AIRCREW DUTIES**Paygrade****Task Type****Task Statements**

E4

CORE

Analyze mission tactical plots during on-station period

E4

CORE

Analyze threat data

AIRCREW DUTIES (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	NON-CORE	Assign aircraft ditching stations
E4	CORE	Classify visual contacts
E5	CORE	Conduct aircraft integrity inspections
E5	NON-CORE	Conduct Unmanned Aerial Vehicle (UAV) operations
E5	CORE	Conduct visual searches
E5	NON-CORE	Conduct weapons bay door operations
E4	CORE	Configure aircraft equipment for rescue missions
E4	CORE	Configure aircraft for internal cargo operations
E5	CORE	Develop tactical search plan
E4	CORE	Document aircraft discrepancies
E4	CORE	Document in-flight maintenance
E4	CORE	Identify stores/pyrotechnic communications
E4	CORE	Monitor Automatic Identification System (AIS) surface contacts
E4	CORE	Monitor engine start-ups
E4	CORE	Monitor weapons employment
E4	CORE	Perform aircraft emergency procedures
E5	NON-CORE	Perform aircraft fueling
E4	CORE	Perform aircraft ground handling operations
E5	NON-CORE	Perform aircraft loss communication procedures
E4	CORE	Perform aircraft pre-flight and post-flight inspections
E4	CORE	Perform aircraft safety and emergency equipment operations
E4	CORE	Perform aircraft security
E4	CORE	Perform Air-to-Air Refueling (AAR) procedures
E4	CORE	Perform Auxiliary Power Unit (APU) operations
E4	CORE	Perform Bomb Hit Assessments (BHA)
E4	CORE	Perform Crew Resource Management (CRM)
E4	CORE	Perform drug interdiction operations
E4	CORE	Perform individual aircrew mission briefs
E4	CORE	Perform in-flight observer duties
E4	CORE	Perform mission planning
E4	CORE	Perform passenger safety briefs
E4	CORE	Perform pre-flight and post-flight checks of survival equipment
E4	NON-CORE	Perform preservation and depreservation procedures
E4	CORE	Perform Search And Rescue (SAR) procedures
E4	CORE	Plot geographical areas
E4	CORE	Plot Position of Intended Movement (PIM) tracks
E4	CORE	Plot tactical symbologies

AIRCREW DUTIES (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	NON-CORE	Prepare aircraft for static displays
E4	CORE	Prepare mission summary logs
E4	CORE	Program Electronic Warfare Support (ES) libraries
E4	CORE	Review aircraft records
E4	CORE	Troubleshoot tactical systems
E4	CORE	Update tactical databases
E4	CORE	Verify attack criteria for recommended weapons release

AIRCREW TRAINING

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	NON-CORE	Analyze emerging technology to meet fleet aviation training requirements
E6	CORE	Analyze monthly training and operation reports
E5	CORE	Conduct Air Combat Training Continuum (ACTC) evaluations
E5	CORE	Conduct individual and crew tactical evaluations
E5	NON-CORE	Conduct land survival training
E5	NON-CORE	Conduct Naval Air Training and Operating Procedures Standardization (NATOPS) evaluations
E5	CORE	Control operations of Weapons Systems Trainer (WST)
E6	NON-CORE	Coordinate warfare exercises
E5	NON-CORE	Coordinate weapons systems designs with contract engineers
E5	CORE	Determine aircrew requirements for flight events and training devices
E5	CORE	Develop aircrew training plans
E5	NON-CORE	Develop tactical exams
E5	NON-CORE	Develop tactical proficiency programs
E5	NON-CORE	Develop tactical Weapons Systems Trainer (WST) scenarios
E5	CORE	Evaluate aircrew qualification and readiness programs
E5	NON-CORE	Evaluate aircrew training programs
E5	NON-CORE	Evaluate tactical equipment programs
E5	NON-CORE	Implement aircrew course curriculum changes
E6	CORE	Manage Air Combat Training Continuum (ACTC) programs
E5	CORE	Manage aircrew training materials
E6	CORE	Manage aircrew training programs
E5	CORE	Manage Crew Resource Management (CRM) programs
E6	NON-CORE	Manage readiness evaluation programs
E7	NON-CORE	Monitor Fleet Replacement Squadron (FRS) student production
E5	CORE	Prepare monthly training and operation reports
E5	CORE	Prepare tactical lessons learned
E7	CORE	Verify training and readiness matrix

COMMUNICATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	CORE	Conduct communication through visual/hand signals
E4	CORE	Control operations of communications equipment
E4	CORE	Interpret tactical messages
E4	CORE	Monitor radio communications
E4	CORE	Perform brevity code communications
E4	CORE	Perform on-station mission turnovers/swaps
E7	CORE	Perform Operational Reporting (OPREP) procedures
E4	CORE	Report contacts
E4	CORE	Report in-flight status
E4	CORE	Report Targets of Interest (TOI)
E4	CORE	Review card of the day
E4	CORE	Safeguard Communications Security (COMSEC) classified materials
E4	CORE	Transfer Communications Security (COMSEC) materials

ENVIRONMENTAL

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Analyze environmental data
E4	CORE	Determine sensor effectiveness/placement in given environmental conditions
E4	CORE	Perform environmental calculations
E4	CORE	Record on-station environmental data

OPERATIONS AND LOGISTICS MANAGEMENT

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E7	NON-CORE	Conduct detachment site surveys
E6	NON-CORE	Coordinate aircraft assignments with maintenance control
E7	CORE	Coordinate aircraft availability for long and short range planning
E6	NON-CORE	Coordinate airlift support
E7	CORE	Coordinate logistical operations
E6	NON-CORE	Manage flight operations
E7	CORE	Manage Humanitarian Assistance and Disaster Relief (HADR) mission
E7	CORE	Manage operation assets
E6	CORE	Organize Search And Rescue (SAR) and Combat Search And Rescue (CSAR) operations
E4	CORE	Perform Humanitarian Assistance and Disaster Relief (HADR) operations
E4	CORE	Perform passenger transports
E6	NON-CORE	Prepare country clearance requests
E5	NON-CORE	Verify hot areas and air space restrictions

PYROTECHNICS/STORES

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Deploy search stores/pyrotechnics
E4	CORE	Identify capabilities and limitations of search stores

PYROTECHNICS/STORES (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Inspect search stores/pyrotechnics
E4	CORE	Load search stores/pyrotechnics
E4	CORE	Monitor sonobuoy deployment
E4	CORE	Track search stores/pyrotechnics expenditures

SENSOR SYSTEMS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Acquire signals for recording
E4	CORE	Analyze Electronic Support Measures (ESM) contacts
E4	CORE	Analyze mission radar data
E4	CORE	Analyze Synthetic Aperture Radar (SAR) contact information
E4	CORE	Classify Electronic Support Measures (ESM) contact information
E4	CORE	Classify Electro-Optical (EO) and Infrared (IR) contact information
E4	CORE	Classify Inverse Synthetic-Aperture Radar (ISAR) contact information
E4	CORE	Collect Specific Emitter Identification (SEI) data
E5	NON-CORE	Conduct aircraft systems testing
E5	CORE	Conduct Electronic Support Measures (ESM) searches
E5	CORE	Conduct Electro-Optical (EO) and Infrared (IR) surveillance
E5	CORE	Conduct Identification Friend or Foe (IFF) and Selective Identification Feature (SIF) interrogations
E5	CORE	Conduct Over-The-Horizon Targeting (OTHT)
E5	CORE	Conduct tactical airborne radar operations
E4	CORE	Configure operating software
E4	CORE	Coordinate positional signal detections
E4	CORE	Correlate Electronic Support Measures (ESM) contact information
E4	CORE	Determine non-target data
E4	NON-CORE	Load mission software
E4	CORE	Manage mission systems
E4	CORE	Monitor in-flight aircraft stand-offs
E4	CORE	Optimize sensor effectiveness
E4	CORE	Perform audio/video recording procedures
E4	CORE	Perform in-flight imagery analysis
E5	CORE	Perform mission equipment operational checks
E4	NON-CORE	Perform off-line radar operations
E4	CORE	Perform terrain avoidance radar navigation
E4	CORE	Perform weather avoidance radar navigation
E4	CORE	Track Target of Interest (TOI)

TACTICAL OPERATIONS CENTER (TOC)/MOBILE TACTICAL OPERATIONS CENTERS (MTOC)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	NON-CORE	Analyze tactical missions data/Post Mission Analysis (PMA)
E5	NON-CORE	Conduct Carrier, Fixed Wing Aircraft, Nuclear Tactical Operation Center (CVN-TOC) operations
E5	CORE	Conduct crew mission briefs and debriefs
E5	NON-CORE	Conduct Mobile Tactical Operations Center (MTOC) loadmaster responsibilities
E5	NON-CORE	Conduct watch team positional training
E5	NON-CORE	Control operations of analysis equipment
E7	NON-CORE	Coordinate Naval Special Warfare (NSW) operations
E6	NON-CORE	Coordinate Operating Area (OPAREA) schedules with external agencies
E5	NON-CORE	Coordinate operations with tactical watch officers
E6	CORE	Coordinate tactical exercises and missions
E5	NON-CORE	Issue mission equipment
E4	NON-CORE	Perform Support Equipment (SE) operations
E5	NON-CORE	Prepare post-flight Naval messages
E7	NON-CORE	Release post-mission data in Naval messages
E5	NON-CORE	Setup communication antenna fields
E5	CORE	Setup tactical stations
E5	NON-CORE	Supervise Support Equipment (SE) operations

TARGET MOTION ANALYSIS AND TACTICAL CALCULATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Calculate Figure of Merit (FOM)
E4	CORE	Calculate visual search altitudes
E4	CORE	Compute radar contact intercepts
E4	CORE	Define Area of Probability (AOP)
E4	CORE	Determine Target of Interest (TOI) datum
E4	CORE	Identify contact's Closest Point of Approach (CPA)
E4	CORE	Perform Electronic Warfare (EW) calculations
E4	CORE	Perform Target Motion Analysis (TMA) calculations

Job Title**Operations, Training, And Readiness Specialist (Operator)****Job Code****002827****Job Family**

Management

NOC

TBD

Short Title (30 Characters)

OPS, TRNG, & RDNS SPEC OP

Short Title (14 Characters)

OT&R SPEC OP

Pay Plan

Enlisted

Career Field

AWO

Other Relationships and Rules

NEC GXXX and 7XXX series and other NECs as assigned

Job Description

Operations, Training, and Readiness Specialists (Operator) are integral members of aviation commands: coordinate operational, administrative, and aircrew scheduling functions; administer and manage aircrew training programs and resources; analyze training resource requirements; review proposed training devices and programs; develop and revise curriculum; manage standardization of aircrew training to enhance proficiency and readiness; manage student quotas, qualifications and certifications; coordinate aircrew physical fitness and health program initiatives; track all aspects of aircrew performance data to support the rigorous demands of operational commitments worldwide; administer and direct the Naval Air Training and Operating Procedures Standardization (NATOPS) programs; and support tactics, training and readiness, weapons safety, Search and Rescue (SAR), and various other aircrew training/missions.

DoD Relationship**Group Title**

Air Crew, General

DoD Code

105000

O*NET Relationship**Occupation Title**

Training and Development Manager

SOC Code

11-3131.00

Job Family

Management

Skills*Management of Material Resources**Coordination**Critical Thinking**Complex Problem Solving**Learning Strategies**Monitoring**Operation and Control**Management of Personnel Resources**Writing**Quality Control Analysis***Abilities***Information Ordering**Written Expression**Inductive Reasoning**Written Comprehension**Deductive Reasoning**Oral Expression**Oral Comprehension**Problem Sensitivity**Fluency of Ideas**Spatial Orientation***AIRCREW ADMINISTRATION****Paygrade****Task Type****Task Statements**

E6

NON-CORE

Brief fleet acquisition programs

E7

NON-CORE

Brief fleet aviation training requirements to upper echelon

E6

NON-CORE

Conduct Flight Order Audit Boards (FOAB)

E4

CORE

Maintain tactical publication library

E7

CORE

Manage aircrew assignments

E7

NON-CORE

Manage fleet acquisition programs

E5

CORE

Manage Naval Air Training and Operating Procedures Standardization (NATOPS) programs

E7

CORE

Manage Temporary Flight Orders (TFO) program

E6

CORE

Prepare flight hour reports

E5

CORE

Prepare flight schedules

E5

CORE

Prepare mission capability briefs

E4

CORE

Update flight time logbooks

E4

CORE

Verify individual flight time summaries

AIRCREW DUTIES**Paygrade****Task Type****Task Statements**

E5

CORE

Develop tactical search plan

E4

CORE

Document aircraft discrepancies

AWO-17

AIRCREW DUTIES (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Document in-flight maintenance
E5	NON-CORE	Perform aircraft loss communication procedures
E4	CORE	Perform aircraft security
E4	CORE	Perform Crew Resource Management (CRM)
E4	CORE	Perform individual aircrew mission briefs
E4	CORE	Perform mission planning
E4	CORE	Plot geographical areas
E4	CORE	Plot Position of Intended Movement (PIM) tracks
E4	NON-CORE	Prepare aircraft for static displays
E4	CORE	Program Electronic Warfare Support (ES) libraries
E4	CORE	Review aircraft records
E4	CORE	Update tactical databases

AIRCREW TRAINING

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	NON-CORE	Analyze emerging technology to meet fleet aviation training requirements
E6	CORE	Analyze monthly training and operation reports
E5	CORE	Conduct Air Combat Training Continuum (ACTC) evaluations
E5	CORE	Conduct individual and crew tactical evaluations
E5	NON-CORE	Conduct land survival training
E5	NON-CORE	Conduct Naval Air Training and Operating Procedures Standardization (NATOPS) evaluations
E5	CORE	Control operations of Weapons Systems Trainer (WST)
E6	NON-CORE	Coordinate warfare exercises
E5	NON-CORE	Coordinate weapons systems designs with contract engineers
E5	CORE	Determine aircrew requirements for flight events and training devices
E5	CORE	Develop aircrew training plans
E5	NON-CORE	Develop tactical exams
E5	NON-CORE	Develop tactical proficiency programs
E5	NON-CORE	Develop tactical Weapons Systems Trainer (WST) scenarios
E5	CORE	Evaluate aircrew qualification and readiness programs
E5	NON-CORE	Evaluate aircrew training programs
E5	NON-CORE	Evaluate tactical equipment programs
E5	NON-CORE	Implement aircrew course curriculum changes
E6	CORE	Manage Air Combat Training Continuum (ACTC) programs
E5	CORE	Manage aircrew training materials
E6	CORE	Manage aircrew training programs
E5	CORE	Manage Crew Resource Management (CRM) programs
E6	NON-CORE	Manage readiness evaluation programs
E7	NON-CORE	Monitor Fleet Replacement Squadron (FRS) student production

AIRCREW TRAINING (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	CORE	Prepare monthly training and operation reports
E5	CORE	Prepare tactical lessons learned
E7	CORE	Verify training and readiness matrix

COMMUNICATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Interpret tactical messages
E7	CORE	Perform Operational Reporting (OPREP) procedures
E4	CORE	Safeguard Communications Security (COMSEC) classified materials
E4	CORE	Transfer Communications Security (COMSEC) materials

ENVIRONMENTAL

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Analyze environmental data
E4	CORE	Determine sensor effectiveness/placement in given environmental conditions

OPERATIONS AND LOGISTICS MANAGEMENT

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E7	NON-CORE	Conduct detachment site surveys
E6	NON-CORE	Coordinate aircraft assignments with maintenance control
E7	CORE	Coordinate aircraft availability for long and short range planning
E6	NON-CORE	Coordinate airlift support
E7	CORE	Coordinate logistical operations
E6	NON-CORE	Manage flight operations
E7	CORE	Manage Humanitarian Assistance and Disaster Relief (HADR) mission
E7	CORE	Manage operation assets
E6	CORE	Organize Search And Rescue (SAR) and Combat Search And Rescue (CSAR) operations
E6	NON-CORE	Prepare country clearance requests
E5	NON-CORE	Verify hot areas and air space restrictions

PYROTECHNICS/STORES

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Track search stores/pyrotechnics expenditures

SENSOR SYSTEMS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Analyze passive, active, and multi-static acoustic contact data
E4	CORE	Analyze Synthetic Aperture Radar (SAR) contact information
E4	CORE	Classify Electro-Optical (EO) and Infrared (IR) contact information
E4	CORE	Classify Inverse Synthetic-Aperture Radar (ISAR) contact information
E4	CORE	Classify passive, active, and multi-static acoustic contact data
E4	CORE	Optimize sensor effectiveness

TACTICAL OPERATIONS CENTER (TOC)/MOBILE TACTICAL OPERATIONS CENTERS (MTOC)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	NON-CORE	Analyze tactical missions data/Post Mission Analysis (PMA)
E5	CORE	Conduct crew mission briefs and debriefs
E5	NON-CORE	Conduct Mobile Tactical Operations Center (MTOC) loadmaster responsibilities
E5	NON-CORE	Conduct watch team positional training
E7	NON-CORE	Coordinate Naval Special Warfare (NSW) operations
E6	NON-CORE	Coordinate Operating Area (OPAREA) schedules with external agencies
E5	NON-CORE	Coordinate operations with tactical watch officers
E6	CORE	Coordinate tactical exercises and missions
E5	NON-CORE	Issue mission equipment
E4	NON-CORE	Perform Support Equipment (SE) operations
E5	NON-CORE	Prepare post-flight Naval messages
E7	NON-CORE	Release post-mission data in Naval messages

TARGET MOTION ANALYSIS AND TACTICAL CALCULATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Calculate active and passive ranges
E4	CORE	Calculate visual search altitudes
E4	CORE	Define Area of Probability (AOP)
E4	CORE	Determine Target of Interest (TOI) datum