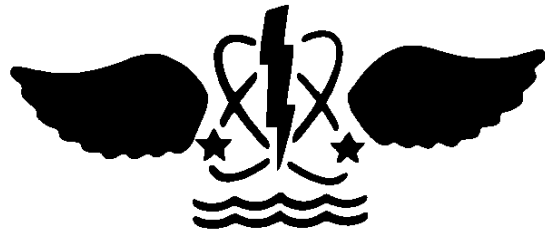


# CHAPTER 12



## NAVAL AIRCREWMAN (OPERATOR) (AWO)

NAVPERS 18068F-12I  
Change 86

Updated: April 2021

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NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

NAVAL AIRCREWMEN (OPERATOR) (AWO)



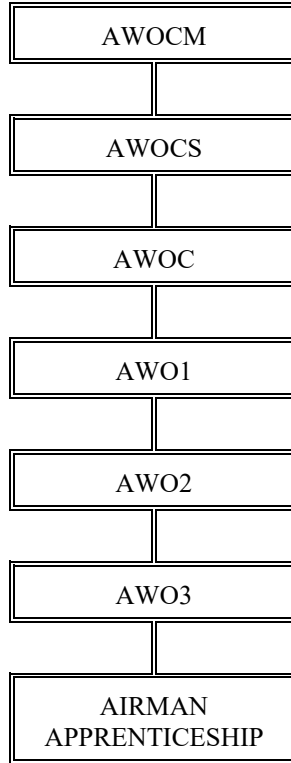
SCOPE OF RATING

Naval Aircrewmens (Operator) (AWO) operate advanced airborne tactical systems onboard Maritime Patrol and Reconnaissance Aircraft (MPRA) utilizing Mission Acoustic Subsystem (MAS), Radio Detection and Ranging (RADAR), Electronic Support Measures (ESM), Identification Friend or Foe/Selective Identification Feature (IFF/SIF), and Electro-Optic/Infrared (EO/IR) sensors to detect, analyze, classify, track, and attack surface and subsurface 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.

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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 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****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 G06A, G07A, 709B, 712B 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, and imagery devices; 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

Radar and Sonar Technicians

SOC Code

55-3017.00

Job Family

Military Specific

**Skills***Coordination**Critical Thinking**Operation and Control**Management of Material Resources**Complex Problem Solving**Monitoring**Science**Judgment and Decision Making**Writing**Management of Personnel Resources***Abilities***Information Ordering**Written Expression**Deductive Reasoning**Oral Expression**Problem Sensitivity**Inductive Reasoning**Written Comprehension**Memorization**Mathematical Reasoning**Oral Comprehension***AIRCREW ADMINISTRATION****Paygrade**

E7

**Task Type**

CORE

**Task Statements**

Conduct flight order audit boards

E5

NON-CORE

Implement aircrew course curriculum changes

E4

CORE

Maintain aircrew flight databases

E4

CORE

Maintain tactical publication library

E7

CORE

Manage aircrew assignments

E6

CORE

Prepare flight hour reports

E5

CORE

Prepare flight schedules

E4

CORE

Update flight time log books

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 ditching stations

E4

CORE

Capture aerial hand-held photography

E4

CORE

Classify visual contacts

E5

CORE

Collect Acoustic Intelligence (ACINT)

E4

CORE

Communicate using visual signals

### **AIRCREW DUTIES (CONT'D)**

<b><u>Pavgrade</u></b>	<b><u>Task Type</u></b>	<b><u>Task Statements</u></b>
E4	CORE	Complete mission summary logs
E4	NON-CORE	Conduct aircraft fueling operations
E4	CORE	Conduct aircraft integrity inspections
E4	CORE	Conduct aircraft post-flight
E4	CORE	Conduct aircraft pre-flight
E4	CORE	Conduct aircrew mission briefs
E4	CORE	Conduct Battle Hit Assessments (BHA)
E4	CORE	Conduct drug interdiction operations
E4	NON-CORE	Conduct ground bomb bay door operations
E4	CORE	Conduct in-flight observer duties
E4	CORE	Conduct passenger safety briefs
E4	CORE	Conduct visual searches
E4	NON-CORE	Configure aircraft equipment for rescue missions
E4	CORE	Configure aircraft for internal cargo operations
E4	CORE	Document aircraft discrepancies
E4	CORE	Document in-flight maintenance
E4	CORE	Execute aircraft emergency procedures
E4	CORE	Execute Search And Rescue (SAR) procedures
E4	CORE	Identify pyrotechnic communications
E4	CORE	Inspect small arms
E4	CORE	Inspect survival equipment
E4	CORE	Monitor Crew Resource Management (CRM)
E4	NON-CORE	Monitor engine start ups
E4	CORE	Monitor weapons employment
E4	CORE	Perform aircraft ground handling operations
E4	CORE	Perform aircraft security
E4	CORE	Perform Auxiliary Power Unit (APU) operations
E4	CORE	Perform mission planning
E4	NON-CORE	Perform Unmanned Aerial Vehicle (UAV) operations
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
E4	CORE	Review aircraft records
E4	CORE	Safeguard Communications Security (COMSEC) classified materials
E4	CORE	Transfer Communications Security (COMSEC) materials
E4	CORE	Troubleshoot tactical systems
E5	CORE	Update tactical databases
E5	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 training requirements
E6	CORE	Analyze monthly training and operation reports
E5	NON-CORE	Conduct fleet acquisition program briefs
E5	NON-CORE	Conduct land survival training
E5	CORE	Conduct Naval Air Training and Operating Procedures Standardization (NATOPS) evaluations
E5	NON-CORE	Conduct tactical flight and ground training
E5	NON-CORE	Coordinate warfare training exercises
E5	NON-CORE	Coordinate weapons system designs with contract engineers
E6	CORE	Develop aircrew training plans
E5	NON-CORE	Develop tactical exams
E5	NON-CORE	Develop tactical proficiency programs
E5	NON-CORE	Develop tactical Weapons System Trainer (WST) scenarios
E6	NON-CORE	Evaluate aircrew training programs
E5	NON-CORE	Evaluate tactical equipment programs
E7	CORE	Manage Aircrew Combat Training Continuum (ACTC)
E5	CORE	Manage aircrew training materials
E7	CORE	Manage aircrew training programs
E6	CORE	Manage Crew Resource Management (CRM) program
E6	CORE	Manage Naval Air Training and Operating Procedures Standardization (NATOPS) programs
E6	NON-CORE	Manage tactics evaluation programs
E7	NON-CORE	Monitor Fleet Replacement Squadron (FRS) student production
E5	CORE	Operate Weapons Systems Trainer (WST)
E5	NON-CORE	Perform individual and crew tactical evaluations
E5	CORE	Prepare monthly training and operation reports
E5	CORE	Prepare tactical lessons learned
E7	NON-CORE	Verify training and readiness matrices

## COMMUNICATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	CORE	Interpret Naval messages
E4	CORE	Monitor radio communications
E4	CORE	Operate communications equipment
E4	CORE	Perform Intercommunication Systems (ICS) communications
E5	CORE	Perform on-station mission turnovers/swap procedures
E7	CORE	Perform Operational Reporting (OPREP) procedures
E6	NON-CORE	Perform overdue aircraft procedures
E4	CORE	Perform Secure Internet Protocol Router Network (SIPRNET) chat operations
E4	CORE	Report contacts

### COMMUNICATIONS (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Report in-flight status
E4	CORE	Review card of the day
E4	CORE	Translate brevity codes

### ENVIRONMENTAL

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Analyze environmental data
E5	CORE	Determine optimal sonobouy depths
E4	CORE	Determine sensor effectiveness 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	CORE	Conduct detachment site surveys
E7	CORE	Coordinate aircraft assignments with maintenance control
E6	NON-CORE	Coordinate airlift support
E7	CORE	Coordinate logistical operations
E7	CORE	Coordinate long and short range aircraft availability plans
E7	CORE	Manage coordinated operation assets
E6	CORE	Manage flight operations
E7	CORE	Manage temporary flight orders
E6	CORE	Organize Search And Rescue (SAR) and Combat Search And Rescue (CSAR) operations
E5	NON-CORE	Prepare country clearance requests
E6	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	Inspect search stores/pyrotechnics
E4	CORE	Load aircraft search stores/pyrotechnics
E4	CORE	Monitor sonobuoy drops
E6	CORE	Track search stores 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
E5	CORE	Classify Electro-Optics and Infrared (EO/IR) contact information
E5	CORE	Classify passive, active, and multi-static acoustic contact data
E4	CORE	Conduct Electro-Optical and Infrared (EO/IR) surveillance
E4	CORE	Conduct multi-static searches



### SENSOR SYSTEMS (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Conduct passive acoustic searches
E4	CORE	Configure operating software
E4	NON-CORE	Coordinate positional signal detections
E5	CORE	Determine non-target data
E4	CORE	Identify sonobouy aural cues
E4	NON-CORE	Load mission software
E5	CORE	Manage mission systems
E4	CORE	Monitor in-flight aircraft stand-offs
E4	CORE	Operate acoustic mission equipment
E4	CORE	Optimize sensor effectiveness
E4	CORE	Perform audio/video recording procedures
E4	CORE	Perform in-flight imagery analysis
E4	CORE	Perform in-flight mission equipment operational checks
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	CORE	Analyze tactical missions data/Post Mission Analysis (PMA)
E5	CORE	Conduct mission debriefs
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
E7	CORE	Develop tactical search plan
E5	NON-CORE	Issue mission equipment
E5	NON-CORE	Operate analysis equipment
E4	NON-CORE	Operate Support Equipment (SE)
E5	NON-CORE	Perform Carrier, Fixed Wing Aircraft, Nuclear Tactical Operation Center (CVN-TOC) operations
E5	NON-CORE	Perform Mobile Tactical Operations Center (MTOC) loadmaster responsibilities
E5	CORE	Prepare post-flight Naval messages
E6	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)

**TARGET MOTION ANALYSIS AND TACTICAL CALCULATIONS (CONT'D)**

<b><u>Paygrade</u></b>	<b><u>Task Type</u></b>	<b><u>Task Statements</u></b>
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 G08A, G09A 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; perform aircrew duties to detect, analyze, classify, localize, track, and attack airborne, surface and subsurface contacts; operate radar, Electronic Support Systems (ES), Identification Friend or Foe/Selective Identification Feature (IFF/SIF), and Electro-Optic/Infrared (EO/IR) electronic warfare systems; coordinate with surface, ground and air assets; attain and maintain aircrew qualifications and certifications; handle ordnance; train in electronic 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*

Radar and Sonar Technicians

*SOC Code*

55-3017.00

*Job Family*

Military Specific

**Skills***Coordination**Operation and Control**Critical Thinking**Management of Material Resources**Systems Analysis**Complex Problem Solving**Monitoring**Judgment and Decision Making**Science**Mathematics***Abilities***Information Ordering**Written Expression**Deductive Reasoning**Oral Expression**Problem Sensitivity**Written Comprehension**Inductive Reasoning**Memorization**Perceptual Speed**Spatial Orientation***AIRCREW ADMINISTRATION****Paygrade**

E7

**Task Type**

CORE

**Task Statements**

Conduct flight order audit boards

E5

NON-CORE

Implement aircrew course curriculum changes

E4

CORE

Maintain aircrew flight databases

E4

CORE

Maintain tactical publication library

E7

CORE

Manage aircrew assignments

E6

CORE

Prepare flight hour reports

E5

CORE

Prepare flight schedules

E4

CORE

Update flight time log books

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 ditching stations

E4

CORE

Capture aerial hand-held photography

E4

CORE

Classify visual contacts

E4

CORE

Communicate using visual signals

E4

CORE

Complete mission summary logs

### **AIRCREW DUTIES (CONT'D)**

<b><u>Paygrade</u></b>	<b><u>Task Type</u></b>	<b><u>Task Statements</u></b>
E4	NON-CORE	Conduct aircraft fueling operations
E4	CORE	Conduct aircraft integrity inspections
E4	CORE	Conduct aircraft post-flight
E4	CORE	Conduct aircraft pre-flight
E4	CORE	Conduct aircrew mission briefs
E4	CORE	Conduct Battle Hit Assessments (BHA)
E4	CORE	Conduct drug interdiction operations
E4	NON-CORE	Conduct ground bomb bay door operations
E4	CORE	Conduct in-flight observer duties
E4	CORE	Conduct passenger safety briefs
E4	CORE	Conduct visual searches
E4	NON-CORE	Configure aircraft equipment for rescue missions
E4	CORE	Configure aircraft for internal cargo operations
E4	CORE	Document aircraft discrepancies
E4	CORE	Document in-flight maintenance
E4	CORE	Execute aircraft emergency procedures
E4	CORE	Execute Search And Rescue (SAR) procedures
E4	CORE	Identify pyrotechnic communications
E4	CORE	Inspect small arms
E4	CORE	Inspect survival equipment
E4	CORE	Monitor Crew Resource Management (CRM)
E4	NON-CORE	Monitor engine start ups
E4	CORE	Monitor weapons employment
E4	CORE	Perform aircraft ground handling operations
E4	CORE	Perform aircraft security
E4	CORE	Perform Auxiliary Power Unit (APU) operations
E4	CORE	Perform mission planning
E4	NON-CORE	Perform Unmanned Aerial Vehicle (UAV) operations
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
E4	CORE	Program Electronic Warfare Support (ES) libraries
E4	CORE	Review aircraft records
E4	CORE	Safeguard Communications Security (COMSEC) classified materials
E4	CORE	Transfer Communications Security (COMSEC) materials
E4	CORE	Troubleshoot tactical systems
E5	CORE	Update tactical databases
E5	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 training requirements
E6	CORE	Analyze monthly training and operation reports
E5	NON-CORE	Conduct fleet acquisition program briefs
E5	NON-CORE	Conduct land survival training
E5	CORE	Conduct Naval Air Training and Operating Procedures Standardization (NATOPS) evaluations
E5	NON-CORE	Conduct tactical flight and ground training
E5	NON-CORE	Coordinate warfare training exercises
E5	NON-CORE	Coordinate weapons system designs with contract engineers
E6	CORE	Develop aircrew training plans
E5	NON-CORE	Develop tactical exams
E5	NON-CORE	Develop tactical proficiency programs
E5	NON-CORE	Develop tactical Weapons System Trainer (WST) scenarios
E6	NON-CORE	Evaluate aircrew training programs
E5	NON-CORE	Evaluate tactical equipment programs
E7	CORE	Manage Aircrew Combat Training Continuum (ACTC)
E5	CORE	Manage aircrew training materials
E7	CORE	Manage aircrew training programs
E6	CORE	Manage Crew Resource Management (CRM) program
E6	CORE	Manage Naval Air Training and Operating Procedures Standardization (NATOPS) programs
E6	NON-CORE	Manage tactics evaluation programs
E7	NON-CORE	Monitor Fleet Replacement Squadron (FRS) student production
E5	CORE	Operate Weapons Systems Trainer (WST)
E5	NON-CORE	Perform individual and crew tactical evaluations
E5	CORE	Prepare monthly training and operation reports
E5	CORE	Prepare tactical lessons learned
E7	NON-CORE	Verify training and readiness matrices

## COMMUNICATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	CORE	Interpret Naval messages
E4	CORE	Monitor radio communications
E4	CORE	Operate communications equipment
E4	CORE	Perform Intercommunication Systems (ICS) communications
E5	CORE	Perform on-station mission turnovers/swap procedures
E7	CORE	Perform Operational Reporting (OPREP) procedures
E6	NON-CORE	Perform overdue aircraft procedures
E4	CORE	Perform Secure Internet Protocol Router Network (SIPRNET) chat operations
E4	CORE	Report contacts

## COMMUNICATIONS (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Report in-flight status
E4	CORE	Review card of the day
E4	CORE	Translate brevity codes

## ENVIRONMENTAL

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Analyze environmental data
E4	CORE	Determine sensor effectiveness 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	CORE	Conduct detachment site surveys
E7	CORE	Coordinate aircraft assignments with maintenance control
E6	NON-CORE	Coordinate airlift support
E7	CORE	Coordinate logistical operations
E7	CORE	Coordinate long and short range aircraft availability plans
E7	CORE	Manage coordinated operation assets
E6	CORE	Manage flight operations
E7	CORE	Manage temporary flight orders
E6	CORE	Organize Search And Rescue (SAR) and Combat Search And Rescue (CSAR) operations
E5	NON-CORE	Prepare country clearance requests
E6	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	Inspect search stores/pyrotechnics
E4	CORE	Load aircraft search stores/pyrotechnics
E4	CORE	Monitor sonobuoy drops
E6	CORE	Track search stores 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	NON-CORE	Analyze Magnetic Anomaly Detection (MAD) contacts
E4	CORE	Analyze mission radar data
E4	CORE	Analyze Synthetic Aperture Radar (SAR) contact information
E5	CORE	Classify Electronic Support Measures (ESM) contact information
E5	CORE	Classify Electro-Optics and Infrared (EO/IR) contact information

### **SENSOR SYSTEMS (CONT'D)**

<b><u>Paygrade</u></b>	<b><u>Task Type</u></b>	<b><u>Task Statements</u></b>
E5	CORE	Classify Inverse Synthetic-Aperture Radar (ISAR) contact information
E5	NON-CORE	Classify Magnetic Anomaly Detection (MAD) contact data
E4	CORE	Collect Specific Emitter Identification (SEI) data
E4	CORE	Conduct Electronic Support Measures (ESM) searches
E4	CORE	Conduct Electro-Optical and Infrared (EO/IR) surveillance
E4	CORE	Conduct Identification Friend or Foe (IFF) and Selective Identification Feature (SIF) interrogations
E5	CORE	Conduct Over-The-Horizon Targeting (OTHT)
E4	CORE	Conduct tactical airborne radar operations
E4	NON-CORE	Configure countermeasure systems
E4	CORE	Configure operating software
E4	NON-CORE	Coordinate positional signal detections
E4	CORE	Correlate Electronic Support Measures (ESM) contact information
E5	CORE	Determine non-target data
E4	NON-CORE	Load mission software
E5	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
E4	CORE	Perform in-flight mission equipment operational checks
E4	NON-CORE	Perform Magnetic Anomaly Detection (MAD) compensations
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)**

<b><u>Paygrade</u></b>	<b><u>Task Type</u></b>	<b><u>Task Statements</u></b>
E5	CORE	Analyze tactical missions data/Post Mission Analysis (PMA)
E5	CORE	Conduct mission debriefs
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
E7	CORE	Develop tactical search plan
E5	NON-CORE	Issue mission equipment
E5	NON-CORE	Operate analysis equipment
E4	NON-CORE	Operate Support Equipment (SE)

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

<b><u>Pavgrade</u></b>	<b><u>Task Type</u></b>	<b><u>Task Statements</u></b>
E5	NON-CORE	Perform Carrier, Fixed Wing Aircraft, Nuclear Tactical Operation Center (CVN-TOC) operations
E5	NON-CORE	Perform Mobile Tactical Operations Center (MTOC) loadmaster responsibilities
E5	CORE	Prepare post-flight Naval messages
E6	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**

<b><u>Pavgrade</u></b>	<b><u>Task Type</u></b>	<b><u>Task Statements</u></b>
E4	NON-CORE	Calculate Magnetic Anomaly Detection (MAD) contact course, speed, and depth
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