

CHAPTER 11



AVIATION ELECTRONICS TECHNICIAN (AT)

NAVPERS 18068-11E

CH-56

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NAVY ENLISTED OCCUPATIONAL STANDARD
FOR
AVIATION ELECTRONICS TECHNICIAN (ORGANIZATIONAL) (ATO)

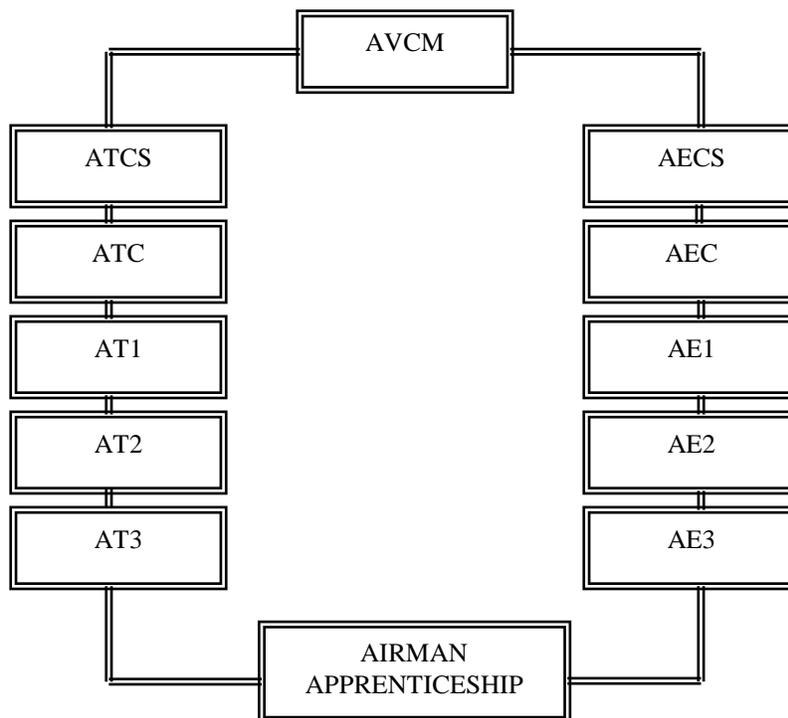


SCOPE OF RATING

Aviation Electronics Technicians (Organizational) (ATO) perform organizational level maintenance on aircraft electronics systems, to include: communications, radar, navigation, Anti-Submarine Warfare (ASW) sensors, electronic warfare, data link, fire control, and tactical displays with associated 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 11.

**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**Aviation Electronics Organizational Level Technician****Job Code****002455****Job Family**

Installation, Maintenance, and Repair

NOC

TBD

Short Title (30 Characters)

AVIATION ELECTRONICS O-LVL TEC

Short Title (10 Characters)

OMA TEC

Pay Plan

Enlisted

Career Field

ATO

Other Relationships and Rules

NEC's may include 6582, 6640, 6701, 83XX/88XX series

Job Description

Aviation Electronics Organizational Level Technicians communicate with Maintenance Control and Quality Assurance work centers in order to ensure timely and accurate work products according to the Naval Aviation Maintenance Program (NAMP); inspect, troubleshoot, repair, and maintain various aircraft avionics systems; have an in-depth understanding of the operational theory of assigned equipment and knowledge of troubleshooting procedures; and are required to read and interpret schematics for electronics and advanced electronic test

DoD Relationship**Group Title**

Navigation, Communication, and Countermeasure, N.E.C.

DoD Code

110200

O*NET Relationship**Occupation Title**

Avionics Technicians

SOC Code

49-2091.00

Job Family

Installation, Maintenance, and Repair

Skills*Critical Thinking**Equipment Maintenance**Systems Evaluation**Troubleshooting**Quality Control Analysis**Coordination**Installation**Management of Material Resources**Management of Personnel Resources**Operation and Control***Abilities***Deductive Reasoning**Selective Attention**Problem Sensitivity**Perceptual Speed**Written Comprehension**Information Ordering**Inductive Reasoning**Finger Dexterity**Time Sharing**Wrist-Finger Speed***AVIONICS MAINTENANCE****Paygrade**

E4

Task Type

CORE

Task Statements

Document maintenance actions

E6

CORE

Incorporate Technical Directives (TD)

E4

CORE

Load aircrew survival equipment radios

E4

CORE

Load Communications Security (COMSEC) systems

E4

CORE

Maintain aircraft communication systems

E4

CORE

Maintain aircraft computer systems

E4

CORE

Maintain aircraft external stores mission equipment

E4

CORE

Maintain Antisubmarine Warfare (ASW) systems

E4

CORE

Maintain armament systems

E4

CORE

Maintain carrier approach and landing systems

E4

CORE

Maintain Communications Security (COMSEC) systems

E4

CORE

Maintain data communication systems

E4

CORE

Maintain display systems

E4

CORE

Maintain Electromagnetic Pulse (EMP) systems

E4	CORE	Maintain Electronic Countermeasures (ECM) systems
E4	CORE	Maintain Electronic Support Measures (ESM) systems
E4	CORE	Maintain flight recording systems
E4	CORE	Maintain Global Positioning System (GPS)
E4	CORE	Maintain Identification Friend or Foe (IFF) systems
E4	CORE	Maintain infrared systems
E4	CORE	Maintain Intercommunications Systems (ICS)
E4	CORE	Maintain LASER and LASING systems
E4	CORE	Maintain Multi-Function Display (MFD) systems
E4	CORE	Maintain navigation systems
E4	CORE	Maintain radar systems
E4	CORE	Maintain Satellite Communication (SATCOM) systems
E4	CORE	Maintain secure speech communication systems
E4	CORE	Maintain video and audio recording systems
E4	CORE	Maintain weather radar systems
E6	CORE	Manage Functional Check Flight (FCF) requirements
E7	CORE	Manage scheduled maintenance
E7	CORE	Manage unscheduled maintenance
E6	CORE	Monitor Naval Aviation Maintenance Program (NAMP)
E5	CORE	Perform acceptance inspections
E5	CORE	Perform conditional inspections
E4	CORE	Perform daily inspections
E4	CORE	Perform phase inspections
E5	CORE	Perform special inspections
E5	CORE	Perform transfer inspections
E4	CORE	Perform turnaround inspections
E4	CORE	Perform weapons release and control systems checks
E5	CORE	Perform zonal inspections
E4	CORE	Repair aircraft fiber optics
E4	CORE	Repair aircraft wiring and connectors
E6	CORE	Review Aircraft Discrepancy Book (ADB)
E6	CORE	Review Maintenance Data Reports (MDR)
E4	CORE	Test aircraft electronic systems
E4	CORE	Treat corrosion on aircraft electrical and avionics components
E4	CORE	Troubleshoot aircraft communication systems
E4	CORE	Troubleshoot aircraft computer systems
E4	CORE	Troubleshoot aircraft external stores mission equipment
E4	CORE	Troubleshoot Antisubmarine Warfare (ASW) systems
E4	CORE	Troubleshoot armament systems
E4	CORE	Troubleshoot carrier approach and landing systems
E4	CORE	Troubleshoot Communications Security (COMSEC) systems
E4	CORE	Troubleshoot data communication systems
E4	CORE	Troubleshoot display systems
E4	CORE	Troubleshoot Electromagnetic Pulse (EMP) systems
E4	CORE	Troubleshoot Electronic Countermeasures (ECM) systems
E4	CORE	Troubleshoot Electronic Support Measures (ESM) systems
E4	CORE	Troubleshoot flight recording systems

E4	CORE	Troubleshoot Global Positioning System (GPS)
E4	CORE	Troubleshoot Global Positioning System (GPS) components
E4	CORE	Troubleshoot Identification Friend or Foe (IFF) systems
E4	CORE	Troubleshoot infrared systems
E4	CORE	Troubleshoot Intercommunications Systems (ICS)
E4	CORE	Troubleshoot LASER and LASING systems
E4	CORE	Troubleshoot Multi-Function Display (MFD) systems
E4	CORE	Troubleshoot navigation systems
E4	CORE	Troubleshoot radar systems
E4	CORE	Troubleshoot Satellite Communication (SATCOM) systems
E4	CORE	Troubleshoot secure speech communication systems
E4	CORE	Troubleshoot video and audio recording systems
E4	CORE	Troubleshoot weather radar systems
E5	CORE	Update Monthly Maintenance Plans (MMP)

LOGISTICS AND TECHNICAL ADMINISTRATION

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E6	CORE	Brief maintenance operations (maintenance control and workcenter)
E6	CORE	Maintain Electronic Key Management System (EKMS) programs
E4	CORE	Safeguard classified material
E6	CORE	Supervise scheduled maintenance
E6	CORE	Supervise unscheduled maintenance

QUALITY ASSURANCE

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E7	CORE	Certify aircraft safe for flight
E5	CORE	Conduct Collateral Duty Inspections (CDI)
E6	CORE	Conduct Quality Assurance (QA) inspections
E7	CORE	Manage Naval Aviation Maintenance Programs (NAMPP)