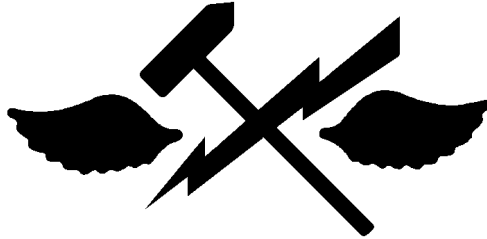


# CHAPTER 10



## AVIATION SUPPORT EQUIPMENT TECHNICIAN (AS)

NAVPERS 18068F-10G  
Change 105

Updated: January 2026

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NAVY ENLISTED OCCUPATIONAL STANDARD  
FOR  
AVIATION SUPPORT EQUIPMENT TECHNICIAN (AS)



SCOPE OF RATING

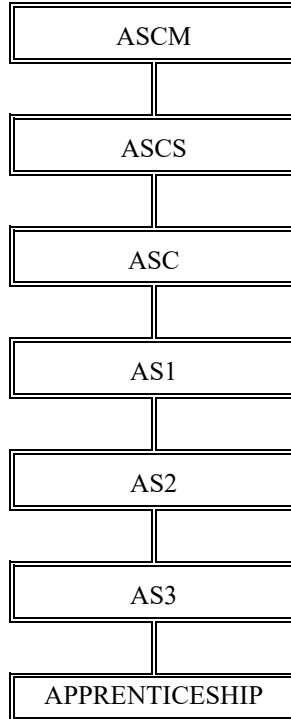
Aviation Support Equipment Technicians (AS) perform preventive and corrective maintenance on aviation Support Equipment (SE), aviation armament handling equipment, crash and salvage equipment, Weight Handling Equipment (WHE), and associated components and systems; service, inspect, test, troubleshoot, and repair diesel engine systems, transmission systems, hydraulic, hydrostatic, and pneumatic systems, steering and suspension systems, cryogenic systems, electrical systems, gas turbine compressor units, electrical and hydraulic power generating equipment, and air-conditioning and refrigeration systems (excluding avionics support equipment); manage support equipment assets at different command levels; and provide training in operation of aviation support equipment.

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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 10.

## 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 Support Equipment Technician****Job Code****002320****Job Family**

Installation, Maintenance, and Repair

**NOC**

TBD

**Short Title (30 Characters)**

AVIATION SUPPORT EQUIPMENT TEC

**Short Title (14 Characters)**

AV SUP EQ TECH

**Pay Plan**

Enlisted

**Career Field**

AS

**Other Relationships and Rules**

NEC FXXX, 7XXX series and other NECs as assigned

**Job Description**

Aviation Support Equipment Technicians perform scheduled and unscheduled maintenance on aircraft Common Support Equipment (CSE), Peculiar Support Equipment (PSE), Material Handling Equipment (MHE), and Weight Handling Equipment (WHE) by repairing, testing, troubleshooting, and inspecting mechanical systems (diesel engines, gas turbine compressor systems, brake systems, transmission systems, welding and structural repair equipment), air conditioning and refrigeration systems (compressors, condensers, evaporators, refrigerant reclaiming equipment and plumbing components), electrical systems (Mobile Electrical Power Plant (MEPP), aircraft tow tractors electrical systems, forklift electrical systems, and numerous other SE electrical systems), mobile maintenance facility (electrical/structural corrosion control, mobile facility van complexing, environmental control units), cryogenic equipment (gaseous and liquid oxygen servicing systems, gaseous nitrogen servicing systems and oxygen system purge units), hydraulic/pneumatic systems (hydraulic test stands, aircraft and automotive lifting devices, maintenance platforms, various pumps, actuators and accumulators); and perform SE management, training and licensing, by planning, organizing, scheduling, and implementing daily maintenance tasks and training requirements.

**DoD Relationship****Group Title**

Aircraft Accessories

**DoD Code**

160200

**O\*NET Relationship****Occupation Title**Automotive Service Technicians  
and Mechanics**SOC Code**

49-3023.00

**Job Family**Installation, Maintenance, and  
Repair**Skills***Systems Evaluation**Quality Control Analysis**Equipment Maintenance**Complex Problem Solving**Installation**Repairing**Troubleshooting**Management of Material Resources**Judgment and Decision Making**Management of Personnel Resources***Abilities***Problem Sensitivity**Deductive Reasoning**Inductive Reasoning**Written Comprehension**Originality**Manual Dexterity**Oral Expression**Auditory Attention**Fluency of Ideas**Information Ordering***CORROSION CONTROL****Paygrade****Task Type****Task Statements**

E6

CORE

Coordinate depot level corrosion treatment

E4

CORE

Identify corrosion types on Support Equipment (SE)

E4

CORE

Perform corrosion prevention on Support Equipment (SE)

E4

CORE

Perform corrosion treatment on Support Equipment (SE)

E4

CORE

Perform preservation/depreservation procedures on Support Equipment (SE)

**CRYOGENIC SYSTEMS MAINTENANCE****Paygrade****Task Type****Task Statements**

E4

CORE

Perform preventive maintenance on gaseous nitrogen Support Equipment (SE)

E4

CORE

Perform preventive maintenance on gaseous oxygen Support Equipment (SE)

E4

NON-CORE

Perform preventive maintenance on Liquid Oxygen (LOX) Support Equipment (SE)

E4

NON-CORE

Perform preventive maintenance on Support Equipment (SE) Liquid Nitrogen (LIN) systems

E4

CORE

Repair gaseous nitrogen Support Equipment (SE)

E4

CORE

Repair gaseous oxygen Support Equipment (SE)

E4

NON-CORE

Repair Liquid Oxygen (LOX) Support Equipment (SE)

### **CRYOGENIC SYSTEMS MAINTENANCE (CONT'D)**

<b><u>Paygrade</u></b>	<b><u>Task Type</u></b>	<b><u>Task Statements</u></b>
E4	NON-CORE	Repair Support Equipment (SE) Liquid Nitrogen (LIN) systems
E4	CORE	Test gaseous nitrogen Support Equipment (SE)
E4	CORE	Test gaseous oxygen Support Equipment (SE)
E4	NON-CORE	Test Liquid Oxygen (LOX) Support Equipment (SE)
E4	NON-CORE	Test Support Equipment (SE) Liquid Nitrogen (LIN) systems
E4	CORE	Troubleshoot gaseous nitrogen Support Equipment (SE)
E4	CORE	Troubleshoot gaseous oxygen Support Equipment (SE)
E4	NON-CORE	Troubleshoot Liquid Oxygen (LOX) Support Equipment (SE)
E4	NON-CORE	Troubleshoot Support Equipment (SE) Liquid Nitrogen (LIN) systems

### **ELECTRICAL AND AIR CONDITIONING/REFRIGERATION SYSTEMS MAINTENANCE**

<b><u>Paygrade</u></b>	<b><u>Task Type</u></b>	<b><u>Task Statements</u></b>
E4	CORE	Manufacture Support Equipment (SE) power cables
E4	CORE	Perform preventive maintenance on air conditioning and refrigeration equipment
E4	CORE	Perform preventive maintenance on air conditioning and refrigeration reclaimer equipment
E4	NON-CORE	Perform preventive maintenance on Environmental Control Unit (ECU)
E4	CORE	Perform preventive maintenance on Mobile Electric Power Plant (MEPP) and electrical systems
E4	NON-CORE	Perform preventive maintenance on Mobile Maintenance Facility (MMF)
E4	NON-CORE	Perform preventive maintenance on Mobile Maintenance Facility (MMF) Tactical Quiet Generator (TQG)
E4	CORE	Perform preventive maintenance on Support Equipment (SE) power cables
E4	CORE	Repair air conditioning and refrigeration equipment
E4	CORE	Repair air conditioning and refrigeration reclaimer equipment
E4	NON-CORE	Repair Environmental Control Unit (ECU)
E4	CORE	Repair Mobile Electric Power Plant (MEPP) and electrical systems
E4	NON-CORE	Repair Mobile Maintenance Facility (MMF)
E4	NON-CORE	Repair Mobile Maintenance Facility (MMF) Tactical Quiet Generator (TQG)
E4	CORE	Test air conditioning and refrigeration equipment
E4	CORE	Test air conditioning and refrigeration reclaimer equipment
E4	NON-CORE	Test Environmental Control Unit (ECU)
E4	CORE	Test Mobile Electric Power Plant (MEPP) and electrical systems
E4	NON-CORE	Test Mobile Maintenance Facility (MMF)
E4	NON-CORE	Test Mobile Maintenance Facility (MMF) Tactical Quiet Generator (TQG)
E4	CORE	Troubleshoot air conditioning and refrigeration equipment
E4	CORE	Troubleshoot air conditioning and refrigeration reclaimer equipment
E4	NON-CORE	Troubleshoot Environmental Control Unit (ECU)
E4	CORE	Troubleshoot Mobile Electric Power Plant (MEPP) and electrical systems
E4	NON-CORE	Troubleshoot Mobile Maintenance Facility (MMF)
E4	NON-CORE	Troubleshoot Mobile Maintenance Facility (MMF) Tactical Quiet Generator (TQG)

## **GENERAL SUPPORT EQUIPMENT MAINTENANCE**

<b><u>Paygrade</u></b>	<b><u>Task Type</u></b>	<b><u>Task Statements</u></b>
E4	CORE	Conduct flight deck troubleshooter operations on Support Equipment (SE)
E4	CORE	Perform joint pre-operational inspections on Support Equipment (SE)
E4	CORE	Perform preventive maintenance on aircraft Support Equipment (SE) lifting slings
E4	CORE	Perform preventive maintenance on Common Support Equipment (CSE)
E4	CORE	Perform preventive maintenance on Material Handling Equipment (MHE)
E4	CORE	Perform preventive maintenance on Peculiar Support Equipment (PSE)
E4	CORE	Perform preventive maintenance on Support Equipment (SE) tire and wheel assemblies
E4	CORE	Perform preventive maintenance on Weight Handling Equipment (WHE)
E4	CORE	Repair aircraft Support Equipment (SE) lifting slings
E4	CORE	Repair aviation Peculiar Support Equipment (PSE)
E4	CORE	Repair Common Support Equipment (CSE)
E4	CORE	Repair Material Handling Equipment (MHE)
E4	CORE	Repair Support Equipment (SE) tire and wheel assemblies
E4	CORE	Repair Weight Handling Equipment (WHE)
E4	CORE	Test aircraft Support Equipment (SE) lifting slings
E4	CORE	Test aviation Peculiar Support Equipment (PSE)
E4	CORE	Test Common Support Equipment (CSE)
E4	CORE	Test Material Handling Equipment (MHE)
E4	CORE	Test Support Equipment (SE) tire and wheel assemblies
E4	CORE	Test Weight Handling Equipment (WHE)
E4	CORE	Troubleshoot aircraft Support Equipment (SE) lifting slings
E4	CORE	Troubleshoot aviation Peculiar Support Equipment (PSE)
E4	CORE	Troubleshoot Common Support Equipment (CSE)
E4	CORE	Troubleshoot Material Handling Equipment (MHE)
E4	CORE	Troubleshoot Weight Handling Equipment (WHE)

## **HYDRAULIC/PNEUMATIC SYSTEMS MAINTENANCE**

<b><u>Paygrade</u></b>	<b><u>Task Type</u></b>	<b><u>Task Statements</u></b>
E4	CORE	Comply with hydraulic contamination control standards (e.g., samples, tools, logs, etc.)
E4	CORE	Perform hydraulic purification procedures on hydraulic Support Equipment (SE)
E4	CORE	Perform preventive maintenance on aircraft jacks, Support Equipment (SE) jacks, and jack stands
E4	CORE	Perform preventive maintenance on hydraulic purification Support Equipment (SE)
E4	CORE	Perform preventive maintenance on Support Equipment (SE) hydraulic power supply
E4	CORE	Perform preventive maintenance on Support Equipment (SE) Hydraulic Servicing Units (HSU)
E4	CORE	Perform preventive maintenance on Support Equipment (SE) hydraulic/pneumatic systems
E4	CORE	Repair aircraft jacks, Support Equipment (SE) jacks, and jack stands

### HYDRAULIC/PNEUMATIC SYSTEMS MAINTENANCE (CONT'D)

<b><u>Paygrade</u></b>	<b><u>Task Type</u></b>	<b><u>Task Statements</u></b>
E4	CORE	Repair hydraulic purification Support Equipment (SE)
E4	CORE	Repair hydraulic/pneumatic systems on Support Equipment (SE)
E4	CORE	Repair Support Equipment (SE) hydraulic power supply
E4	CORE	Repair Support Equipment (SE) Hydraulic Servicing Units (HSU)
E4	CORE	Test aircraft jacks, Support Equipment (SE) jacks, and jack stands
E4	CORE	Test hydraulic fluids on Support Equipment (SE) for contamination
E4	CORE	Test hydraulic purification Support Equipment (SE)
E4	CORE	Test hydraulic/pneumatic systems on Support Equipment (SE)
E4	CORE	Test Support Equipment (SE) hydraulic power supply
E4	CORE	Test Support Equipment (SE) Hydraulic Servicing Units (HSU)
E4	CORE	Troubleshoot aircraft jacks, Support Equipment (SE) jacks, and jack stands
E4	CORE	Troubleshoot hydraulic purification Support Equipment (SE)
E4	CORE	Troubleshoot hydraulic/pneumatic systems on Support Equipment (SE)
E4	CORE	Troubleshoot Support Equipment (SE) hydraulic power supply
E4	CORE	Troubleshoot Support Equipment (SE) Hydraulic Servicing Units (HSU)

### MANAGEMENT/TECHNICAL ADMINISTRATION

<b><u>Paygrade</u></b>	<b><u>Task Type</u></b>	<b><u>Task Statements</u></b>
E7	CORE	Approve depot level corrosion treatment
E7	CORE	Approve Weight Handling Equipment (WHE) certification
E5	CORE	Coordinate Support Equipment (SE) operator training and licensing program
E6	CORE	Coordinate technical directives compliance programs
E5	NON-CORE	Locate level site for Mobile Maintenance Facility (MMF)
E7	CORE	Manage Autonomic Logistics Information Systems (ALIS), Naval Aviation Logistics Command Management Information System (NALCOMIS), Optimized Organizational Maintenance Activity (OOMA) maintenance records
E5	NON-CORE	Manage curriculum for Apprentice and Journeyman schools
E7	CORE	Manage depot level maintenance requirements on Support Equipment (SE)
E7	CORE	Manage intermediate-level maintenance operations
E7	CORE	Manage Material Control (MATCON) assets
E7	CORE	Manage Material Handling Equipment (MHE) program
E6	NON-CORE	Manage Mobile Maintenance Facility (MMF) logs and records
E7	CORE	Manage Production Control (PC) operations
E5	CORE	Manage Support Equipment (SE) asset and Individual Material Readiness List (IMRL) inventories
E7	CORE	Manage Support Equipment (SE) historical files, Auto-Log Sets (ALS), and 4790/51 records
E5	CORE	Manage Support Equipment (SE) Issue and Receipt (I&R)
E7	CORE	Manage Support Equipment (SE) operator training and licensing program
E5	CORE	Prepare scheduled maintenance reports on Support Equipment (SE)
E5	CORE	Supervise flight deck troubleshooter operations on Support Equipment (SE)



### MANAGEMENT/TECHNICAL ADMINISTRATION (CONT'D)

<b><u>Paygrade</u></b>	<b><u>Task Type</u></b>	<b><u>Task Statements</u></b>
E6	CORE	Supervise Production Control (PC) operations
E6	CORE	Supervise Support Equipment (SE) operator training and licensing program
E5	CORE	Supervise Support Equipment (SE) tool room operations
E7	CORE	Supervise technical directives compliance on Support Equipment (SE)
E6	CORE	Validate Autonomic Logistics Information Systems (ALIS), Naval Aviation Logistics Command Management Information System (NALCOMIS), Optimized Organizational Maintenance Activity (OOMA) maintenance records
E6	CORE	Validate availability reports on Support Equipment (SE)
E6	CORE	Validate Material Control (MATCON) assets
E6	CORE	Validate Support Equipment (SE) historical files, Auto-Log Sets (ALS), and 4790/51 records
E5	CORE	Verify Autonomic Logistics Information Systems (ALIS), Naval Aviation Logistics Command Management Information System (NALCOMIS), Optimized Organizational Maintenance Activity (OOMA) maintenance records
E5	CORE	Verify availability reports on Support Equipment (SE)
E5	CORE	Verify Material Control (MATCON) assets
E5	CORE	Verify Support Equipment (SE) historical files, Auto-Log Sets (ALS), and 4790/51 records

### MECHANICAL SYSTEMS MAINTENANCE

<b><u>Paygrade</u></b>	<b><u>Task Type</u></b>	<b><u>Task Statements</u></b>
E4	CORE	Perform preventive maintenance on aircraft crash and salvage equipment
E4	CORE	Perform preventive maintenance on aircraft deicing Support Equipment (SE)
E4	CORE	Perform preventive maintenance on aircraft tow tractors and mechanical systems
E4	CORE	Perform preventive maintenance on Armament Weapons Support Equipment (AWSE)
E4	CORE	Perform preventive maintenance on diesel engines
E4	CORE	Perform preventive maintenance on gas turbine engines on Support Equipment (SE)
E4	CORE	Perform preventive maintenance on Support Equipment (SE) trailers and dollies
E5	CORE	Repair aircraft crash and salvage equipment
E4	CORE	Repair aircraft deicing Support Equipment (SE)
E4	CORE	Repair aircraft tow tractors and mechanical systems
E4	CORE	Repair Armament Weapons Support Equipment (AWSE)
E4	CORE	Repair diesel engines
E4	CORE	Repair gas turbine engines on Support Equipment (SE)
E4	CORE	Repair Support Equipment (SE) trailers and dollies
E5	CORE	Test aircraft crash and salvage equipment
E4	CORE	Test aircraft deicing Support Equipment (SE)
E4	CORE	Test aircraft tow tractors and mechanical systems
E4	CORE	Test Armament Weapons Support Equipment (AWSE)
E4	CORE	Test diesel engines
E4	CORE	Test gas turbine engines on Support Equipment (SE)

## MECHANICAL SYSTEMS MAINTENANCE (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Test Support Equipment (SE) trailers and dollies
E5	CORE	Troubleshoot aircraft crash and salvage equipment
E4	CORE	Troubleshoot aircraft deicing Support Equipment (SE)
E4	CORE	Troubleshoot aircraft tow tractors and mechanical systems
E4	CORE	Troubleshoot Armament Weapons Support Equipment (AWSE)
E4	CORE	Troubleshoot diesel engines
E4	CORE	Troubleshoot gas turbine engines on Support Equipment (SE)
E4	CORE	Troubleshoot Support Equipment (SE) trailers and dollies

## QUALITY ASSURANCE

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	CORE	Direct load tests on Weight Handling Equipment (WHE)
E5	CORE	Enforce hydraulic contamination control standards (e.g., samples, tools, logs, etc.)
E5	CORE	Inspect air conditioning and refrigeration equipment
E5	CORE	Inspect air conditioning and refrigeration reclaimer equipment
E5	CORE	Inspect aircraft crash and salvage equipment
E5	CORE	Inspect aircraft deicing Support Equipment (SE)
E5	CORE	Inspect aircraft jacks, Support Equipment (SE) jacks, and jack stands
E5	CORE	Inspect aircraft Support Equipment (SE) lifting slings
E5	CORE	Inspect aircraft tow tractors and mechanical systems
E5	CORE	Inspect Armament Weapons Support Equipment (AWSE)
E5	CORE	Inspect aviation Peculiar Support Equipment (PSE)
E5	CORE	Inspect Common Support Equipment (CSE)
E5	CORE	Inspect diesel engines
E5	NON-CORE	Inspect Environmental Control Unit (ECU)
E5	CORE	Inspect gas turbine engines on Support Equipment (SE)
E5	CORE	Inspect gaseous nitrogen Support Equipment (SE)
E5	CORE	Inspect gaseous oxygen Support Equipment (SE)
E5	CORE	Inspect hydraulic purification procedures on hydraulic Support Equipment (SE)
E5	CORE	Inspect hydraulic purification Support Equipment (SE)
E5	CORE	Inspect hydraulic/pneumatic systems on Support Equipment (SE)
E5	NON-CORE	Inspect Liquid Oxygen (LOX) Support Equipment (SE)
E5	CORE	Inspect Material Handling Equipment (MHE)
E5	CORE	Inspect Mobile Electric Power Plant (MEPP) and electrical systems
E5	NON-CORE	Inspect Mobile Maintenance Facility (MMF)
E5	NON-CORE	Inspect Mobile Maintenance Facility (MMF) Tactical Quiet Generator (TQG)
E5	CORE	Inspect Support Equipment (SE) for corrosion
E5	CORE	Inspect Support Equipment (SE) hydraulic power supply
E5	CORE	Inspect Support Equipment (SE) Hydraulic Servicing Units (HSU)
E5	NON-CORE	Inspect Support Equipment (SE) Liquid Nitrogen systems (LIN)

### **QUALITY ASSURANCE (CONT'D)**

<b><u>Paygrade</u></b>	<b><u>Task Type</u></b>	<b><u>Task Statements</u></b>
E5	CORE	Inspect Support Equipment (SE) power cables
E5	CORE	Inspect Support Equipment (SE) tire and wheel assemblies
E5	CORE	Inspect Support Equipment (SE) trailers and dollies
E5	CORE	Inspect Weight Handling Equipment (WHE)
E7	CORE	Manage Quality Assurance (QA) program spot checks, audits, and Support Equipment (SE) license proficiencies
E6	CORE	Perform Quality Assurance (QA) program spot checks, audits, and Support Equipment (SE) license proficiencies
E5	CORE	Validate hydraulic fluid tests on Support Equipment (SE)