

# CHAPTER 1



## AVIATION BOATSWAIN'S MATE (HANDLING) (ABH)

NAVPERS 18068F-1E  
Change 96

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NAVY ENLISTED OCCUPATIONAL STANDARD  
FOR  
AVIATION BOATSWAIN'S MATE (AIRCRAFT HANDLING) (ABH)



SCOPE OF RATING

Aviation Boatswain's Mates (AB) operate, maintain, and perform organizational maintenance on catapults, arresting gear, barricades, and associated flight deck launching and recovery equipment; operate and service aircraft ground-handling equipment and machinery; operate and service aircraft crash, firefighting, and rescue equipment; handle aircraft afloat and ashore; operate, maintain, and repair aviation fueling, defueling, lubricating oil, and inert gas systems; perform crash rescue, firefighting, crash removal, and damage control duties; and perform administrative duties, implement training initiatives, and oversee/maintain divisional spaces.

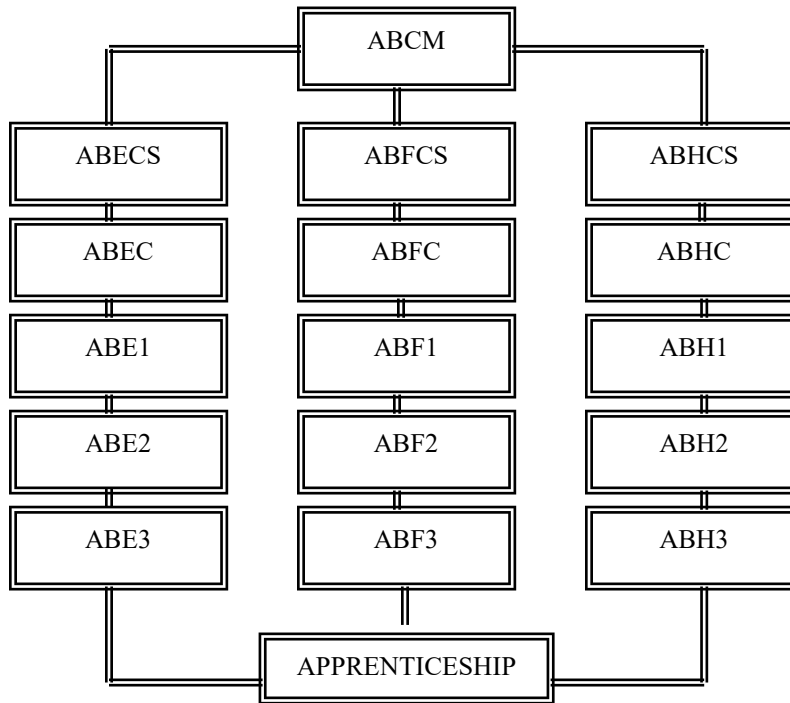
Aviation Boatswain's Mates (Aircraft Handling) (ABH) direct the movement and spotting of aircraft ashore and afloat; operate, maintain, and perform organizational maintenance on ground-handling equipment used for moving and hoisting of aircraft ashore and afloat; perform administrative duties, implement training initiatives, and oversee/maintain divisional spaces; demonstrate a working knowledge of the Planned Maintenance System (PMS); supervise securing of aircraft and equipment; perform crash rescue, firefighting, crash removal, and damage control duties; and perform duties in connection with launching and recovery of aircraft.

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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 1.

## 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**  
**Aircraft Director**

**Job Code**  
**001195**

**Job Family**  
 Transportation and Material Moving

**NOC**  
 TBD

**Short Title (30 Characters)**  
 AIRCRAFT DIRECTOR

**Short Title (14 Characters)**  
 ACRFT DIRECTOR

**Pay Plan**  
 Enlisted

**Career Field**  
 ABH

**Other Relationships and Rules**  
 NEC DXXX and 7XXX series and other NECs as assigned

**Job Description**

Aircraft Directors are responsible for the safe and expeditious movement of aircraft on flight decks, hangar decks, and shore which includes the installation and removal of chocks, tie downs, and tow bars; operate ground Support Equipment (SE), elevators, conflagration stations, Ouija board spotters, and safety observers; demonstrate a working knowledge of deck multiple/density and aircraft fundamentals/systems; perform flight/hangar deck operations; implement training initiatives; and ensure operational readiness of equipment.

**DoD Relationship**

**Group Title**                      **DoD Code**  
 Aircraft Launch Equipment    160400

**O\*NET Relationship**

**Occupation Title**                      **SOC Code**                      **Job Family**  
 Airfield Operations Specialists    53-2022.00                      Transportation and Material Moving

**Skills**

*Coordination*  
*Judgment and Decision Making*  
*Equipment Selection*  
*Operation and Control*  
*Complex Problem Solving*  
*Installation*  
*Monitoring*  
*Active Listening*  
*Quality Control Analysis*  
*Instructing*

**Abilities**

*Visualization*  
*Information Ordering*  
*Deductive Reasoning*  
*Multi-limb Coordination*  
*Oral Expression*  
*Static Strength*  
*Manual Dexterity*  
*Problem Sensitivity*  
*Inductive Reasoning*  
*Spatial Orientation*

**SHIPBOARD/SHORE AIRCRAFT FIREFIGHTING/CRASH AND SALVAGE**

<b><u>Paygrade</u></b>	<b><u>Task Type</u></b>	<b><u>Task Statements</u></b>
E6	CORE	Brief Air Department Training Team (ADTT) drill procedures
E6	CORE	Build flight deck and hangar bay drill package
E4	CORE	Conduct hot chockman procedures
E4	CORE	Execute flight deck fire drills
E4	CORE	Execute fuel station fire drills (i.e., flight deck, hangar bay)
E4	CORE	Execute hangar bay fire drills
E4	CORE	Identify location of aircraft composite materials
E4	CORE	Man variable position nozzles and hose control devices (1 1/2", 2 1/2" diameter)
E4	CORE	Operate aircraft firefighting equipment in the hangar bays
E4	CORE	Operate aircraft firefighting equipment on flight decks
E4	CORE	Perform aircraft hydraulic failure emergency procedures
E4	CORE	Perform conflagration station operations
E4	CORE	Perform flight deck aircraft firefighting procedures
E4	CORE	Perform hangar bay aircraft firefighting procedures
E5	CORE	Prepare aircraft elevator for jettison operations
E4	CORE	Secure aircraft firefighting Support Equipment (SE)

## SHIPBOARD/SHORE STATION AIRCRAFT HANDLING

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E7	CORE	Account for deck density/deck multiple
E4	CORE	Calculate elevator loads
E4	CORE	Chock aircraft with rotors
E4	CORE	Close ballistic doors
E7	CORE	Compile information for damage/crunch reports
E4	CORE	Conduct aircraft handling Support Equipment (SE) preoperational and post operational inspections
E6	CORE	Conduct aircraft respot briefings
E6	CORE	Conduct deck caller procedures during flight deck operations
E5	CORE	Conduct flight deck safety training
E4	CORE	Conduct flight deck/hangar bay preoperational and post operational inspections
E4	CORE	Conduct Foreign Object Damage (FOD) walk downs
E5	CORE	Conduct hangar bay safety training
E4	CORE	Coordinate aircraft handling Support Equipment (SE) maintenance and service requirements
E7	CORE	Coordinate aircraft respot via air plans
E5	CORE	Coordinate launch evolutions in fly 1 areas
E5	CORE	Coordinate launch evolutions in fly 2 areas
E5	CORE	Coordinate launch evolutions in fly 3 areas
E5	CORE	Coordinate recovery evolutions in fly 1 areas
E5	CORE	Coordinate recovery evolutions in fly 2 areas
E5	CORE	Coordinate recovery evolutions in fly 3 areas
E5	CORE	Coordinate turning aircraft in the hangar bays
E4	CORE	De-rig flag staffs
E4	CORE	De-rig safety rails
E4	CORE	Dispatch starting units for maintenance turns
E4	CORE	Dispatch tow tractors and dollies for respots of aircraft
E4	CORE	Execute barricade drills
E4	CORE	Identify primary mooring points
E4	CORE	Inspect aircraft elevator platforms
E4	CORE	Inspect coamings (i.e., flight deck, hangar bay)
E4	CORE	Inspect safety nets (i.e., flight deck, hangar bay)
E4	CORE	Install aircraft chocks
E4	CORE	Install aircraft tie down chains
E4	CORE	Install aircraft tow bars

**SHIPBOARD/SHORE STATION AIRCRAFT HANDLING (CONT'D)**

<b><u>Paygrade</u></b>	<b><u>Task Type</u></b>	<b><u>Task Statements</u></b>
E4	CORE	Install barricade ramps
E4	CORE	Interpret audio signals
E4	CORE	Interpret visual signals
E4	CORE	Lower safety stanchions (i.e., flight deck, hangar bay)
E4	CORE	Maintain conflagration station watch logs
E7	CORE	Manage liquid Foreign Object Damage (FOD) program
E4	CORE	Manually release spotting dolly lifting arms from aircraft
E7	CORE	Monitor sea states
E4	CORE	Monitor Support Equipment (SE) starting units positions for maintenance turns
E4	CORE	Monitor turning aircraft in the hangar bays
E4	CORE	Move no-brake aircraft
E4	CORE	Open ballistic doors
E4	CORE	Operate aircraft elevator in normal mode
E4	CORE	Operate aircraft elevator through lower and raise cycles in manual mode
E4	CORE	Operate mobile Support Equipment (SE)
E4	CORE	Operate starting units to provide aircraft auxiliary power (e.g., electrical, air start power, Auxiliary Power Unit (APU), etc.)
E7	CORE	Perform Aircraft Handling Officer (ACHO) duties during flight operations
E4	CORE	Perform aircraft launch/maintenance/recovery respots
E4	CORE	Perform aircraft safety observer procedures
E4	CORE	Perform aircraft towing
E4	CORE	Perform airfield support operations
E4	CORE	Perform chock walker procedures for aircraft
E4	CORE	Perform flight deck aircraft movements
E4	CORE	Perform flight deck elevator operations
E4	CORE	Perform hangar bay aircraft movements
E4	CORE	Perform hangar bay elevator operations
E4	CORE	Perform liquid Foreign Object Damage (FOD) removal
E4	CORE	Perform no-brake aircraft emergency procedures
E4	CORE	Perform preoperational and post operational inspections of Personal Protective Equipment (PPE)
E4	CORE	Plot spotting boards (Ouija/templates) using aircraft spotting phraseology (i.e., flight deck, hangar bay)
E5	CORE	Provide aircraft electrical service via Mobile Electric Power Plants (MEPP-3) and Shipboard Mobile Electric Power Plants (SMEPP-4)

### SHIPBOARD/SHORE STATION AIRCRAFT HANDLING (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Raise safety stanchions (i.e., flight deck, hangar bay)
E4	CORE	Remove aircraft tow bars
E4	CORE	Remove barricade ramps
E4	CORE	Respond to audio signals
E4	CORE	Respond to visual signals
E4	CORE	Rig flag staffs
E4	CORE	Rig safety rails
E4	CORE	Secure aircraft handling equipment (i.e., chocks, chains, tow bars)
E4	CORE	Secure aircraft handling Support Equipment (SE)
E4	CORE	Stow aircraft handling equipment (i.e., chocks, chains, tow bars)
E4	CORE	Stow barricade ramps
E4	CORE	Stow flag staffs
E4	CORE	Stow safety rails
E5	CORE	Supervise daily preoperational and post operational inspections of aircraft handling Support Equipment (SE)
E7	CORE	Supervise flight deck operations
E6	CORE	Supervise Foreign Object Damage (FOD) walk downs
E6	CORE	Supervise liquid Foreign Object Damage (FOD) program
E4	CORE	Supervise securing of aircraft handling Support Equipment (SE)

### SHIPBOARD/SHORE STATIONS MAINTENANCE

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E6	CORE	Conduct non-skid Quality Assurance Inspector (QAI) procedures
E5	CORE	Input data to Organizational Maintenance and Material System - New Generation (OMMS-NG)
E4	CORE	Perform deck preservation in the hangar bays
E4	CORE	Perform deck preservation on flight decks



**Job Title****Crash and Salvage Firefighter****Job Code****001250****Job Family**

Protective Service

**NOC**

TBD

**Short Title (30 Characters)**

CRASH AND SALVAGE FIREFIGHTER

**Short Title (14 Characters)**

CRASH SALV FF

**Pay Plan**

Enlisted

**Career Field**

ABH

**Other Relationships and Rules**

NEC DXXX and 7XXX series and other NECs as assigned

**Job Description**

Crash and Salvage Firefighters respond to aircraft emergencies, conduct firefighting, and perform rescue and salvage procedures for each type of aircraft carried onboard; coordinate aircraft jettison operations; train embarked squadron personnel; and perform equipment preventive maintenance requirements, and water related salvage operations.

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

Aircraft Launch Equipment 160400

**DoD Code****O\*NET Relationship****Occupation Title**

First-Line Supervisors of Fire Fighting and Prevention Workers

**SOC Code**

33-1021.00

**Job Family**

Protective Service

**Skills***Judgment and Decision Making**Operation and Control**Coordination**Equipment Selection**Monitoring**Installation**Active Listening**Complex Problem Solving**Equipment Maintenance**Instructing***Abilities***Information Ordering**Visualization**Multi-limb Coordination**Deductive Reasoning**Originality**Manual Dexterity**Dynamic Flexibility**Written Comprehension**Extent Flexibility**Memorization***SHIPBOARD/SHORE AIRCRAFT FIREFIGHTING/CRASH AND SALVAGE****Paygrade****Task Type****Task Statements**

E4

CORE

Access aircraft canopies

E4

CORE

Access aircraft hoist points

E4

CORE

Attach aircraft hoisting slings and belly bands

E6

CORE

Brief Air Department Training Team (ADTT) drill procedures

E6

CORE

Build flight deck and hangar bay drill package

E4

CORE

Conduct emergency canopy jettison procedures on aircraft

E7

NON-CORE

Conduct fire chief procedures during airfield emergency operations

E4

CORE

Conduct flight deck rescue procedures

E4

CORE

Conduct hangar bay rescue procedures

E4

CORE

Conduct hot chockman procedures

E4

CORE

Conduct preoperational and post operational inspections of aircraft firefighting Support Equipment (SE)

E4

CORE

Conduct rig master procedures during salvage operations

E4

CORE

Determine maximum hoisting weight

E4

CORE

Execute flight deck fire drills

E4

CORE

Execute fuel station fire drills (i.e., flight deck, hangar bay)

E4

CORE

Execute hangar bay fire drills

E4

CORE

Identify aircraft hoist points

**SHIPBOARD/SHORE AIRCRAFT FIREFIGHTING/CRASH AND SALVAGE (CONT'D)**

<b><u>Paygrade</u></b>	<b><u>Task Type</u></b>	<b><u>Task Statements</u></b>
E4	CORE	Identify location of aircraft composite materials
E4	CORE	Install aircraft down locks
E4	CORE	Install stabilizing lines and tag lines for aircraft hoisting
E4	CORE	Install tow bars on crash dollies
E4	CORE	Locate battery and Liquid Oxygen (LOX) compartments on aircraft
E4	CORE	Maintain flight deck aircraft rescue and salvage equipment
E4	CORE	Man variable position nozzles and hose control devices (1 1/2", 2 1/2" diameter)
E4	CORE	Operate aircraft firefighting and salvage Support Equipment (SE) (e.g., P-25, Carrier Crash Crane (CVCC), Amphibious Crash Crane (ACC), etc.)
E4	CORE	Operate aircraft firefighting equipment in the hangar bays
E4	CORE	Operate aircraft firefighting equipment on flight decks
E4	CORE	Operate aircraft rescue equipment on flight decks
E4	CORE	Operate aircraft salvage equipment on flight decks (e.g., rescue basket, proximity suits, emergency entry tools, belly bands, etc.)
E4	CORE	Perform aircraft hydraulic failure emergency procedures
E4	CORE	Perform flight deck aircraft firefighting procedures
E4	CORE	Perform flight deck salvage procedures
E4	CORE	Perform hangar bay aircraft firefighting procedures
E4	CORE	Perform overhaul/residual fire checks
E5	CORE	Prepare aircraft elevator for jettison operations
E4	CORE	Secure aircraft ejection seats
E4	CORE	Secure aircraft firefighting Support Equipment (SE)
E4	CORE	Secure crash dolly for collapsed landing gear
E4	CORE	Secure crash dolly for sheared landing gear
E6	CORE	Supervise flight deck salvage procedures
E6	CORE	Supervise installation of aircraft crash dollies
E6	CORE	Supervise installation of hoisting equipment
E6	CORE	Supervise operation of aircraft crash cranes
E6	CORE	Supervise positioning of crash forklifts for rescues
E5	CORE	Supervise preoperational and post operational inspections of aircraft firefighting Support Equipment (SE)
E6	CORE	Supervise salvage operations for helo/aircraft in the water
E6	CORE	Supervise salvage operations with composite material aircraft
E6	CORE	Supervise securing of aircraft crash dollies

### SHIPBOARD/SHORE STATION AIRCRAFT HANDLING

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Chock aircraft with rotors
E7	CORE	Compile information for damage/crunch reports
E4	CORE	Conduct aircraft handling Support Equipment (SE) preoperational and post operational inspections
E5	CORE	Conduct flight deck safety training
E4	CORE	Conduct Foreign Object Damage (FOD) walk downs
E5	CORE	Conduct hangar bay safety training
E4	CORE	Identify primary mooring points
E4	CORE	Install aircraft chocks
E4	CORE	Install aircraft tie down chains
E4	CORE	Install aircraft tow bars
E4	CORE	Interpret audio signals
E4	CORE	Interpret visual signals
E4	CORE	Operate mobile Support Equipment (SE)
E4	CORE	Perform aircraft towing
E4	CORE	Perform chock walker procedures for aircraft
E4	CORE	Perform liquid Foreign Object Damage (FOD) removal
E4	CORE	Perform preoperational and post operational inspections of Personal Protective Equipment (PPE)
E4	CORE	Remove aircraft tow bars
E4	CORE	Remove barricade ramps
E4	CORE	Respond to audio signals
E4	CORE	Respond to visual signals
E4	CORE	Secure aircraft handling equipment (i.e., chocks, chains, tow bars)
E4	CORE	Secure aircraft handling Support Equipment (SE)
E4	CORE	Stow aircraft handling equipment (i.e., chocks, chains, tow bars)
E4	CORE	Stow barricade ramps
E5	CORE	Supervise daily preoperational and post operational inspections of aircraft handling Support Equipment (SE)
E7	CORE	Supervise flight deck operations
E6	CORE	Supervise Foreign Object Damage (FOD) walk downs
E6	CORE	Supervise liquid Foreign Object Damage (FOD) program
E4	CORE	Supervise securing of aircraft handling Support Equipment (SE)

### SHIPBOARD/SHORE STATIONS MAINTENANCE

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E6	CORE	Conduct non-skid Quality Assurance Inspector (QAI) procedures
E5	CORE	Input data to Organizational Maintenance and Material System - New Generation (OMMS-NG)

**Job Title****Air Operations Technician****Job Code****001555****Job Family**

Transportation and Material Moving

**NOC**

TBD

**Short Title (30 Characters)**

AIR OPERATIONS TECHNICIAN

**Short Title (14 Characters)**

AIR OPS TECH

**Pay Plan**

Enlisted

**Career Field**

ABH

**Other Relationships and Rules**

NEC DXXX and 7XXX series and other NECs as assigned

**Job Description**

Air Operations Technicians ensure the safe operation and maintenance of air fields and E-28 equipment; provide assistance to aircraft and aircrew personnel; perform aircraft movement, load priorities, and the servicing and maintenance of transiting aircraft; perform security and custody of cargo, mail, and hazardous materials, ensuring these items are properly packaged and palletized for aircraft; serve as firefighters; perform/direct all firefighting and rescue operations at the immediate scene of aircraft/structural buildings on shore facilities.

**DoD Relationship**Group Title

Aircraft Launch Equipment 160400

DoD Code**O\*NET Relationship**Occupation Title

Airfield Operations Specialists

SOC Code

53-2022.00

Job Family

Transportation and Material Moving

**Skills***Judgment and Decision Making**Coordination**Equipment Selection**Monitoring**Operation and Control**Active Listening**Complex Problem Solving**Installation**Quality Control Analysis**Equipment Maintenance***Abilities***Visualization**Deductive Reasoning**Information Ordering**Written Comprehension**Multi-limb Coordination**Oral Expression**Spatial Orientation**Auditory Attention**Dynamic Flexibility**Memorization***SHIPBOARD/SHORE AIRCRAFT FIREFIGHTING/CRASH AND SALVAGE****Paygrade****Task Type****Task Statements**

E7

NON-CORE

Conduct fire chief procedures during airfield emergency operations

E4

CORE

Identify location of aircraft composite materials

E4

CORE

Man variable position nozzles and hose control devices (1 1/2", 2 1/2" diameter)

E4

CORE

Operate aircraft firefighting and salvage Support Equipment (SE) (e.g., P-25, Carrier Crash Crane (CVCC), Amphibious Crash Crane (ACC), etc.)

E4

CORE

Secure aircraft firefighting Support Equipment (SE)

**SHIPBOARD/SHORE STATION AIRCRAFT HANDLING****Paygrade****Task Type****Task Statements**

E4

CORE

Chock aircraft with rotors

E7

CORE

Compile information for damage/crunch reports

E4

CORE

Conduct aircraft handling Support Equipment (SE) preoperational and post operational inspections

E6

CORE

Conduct aircraft respot briefings

E5

CORE

Conduct airfield operations safety training

E4

CORE

Conduct Foreign Object Damage (FOD) walk downs

E4

CORE

Coordinate aircraft handling Support Equipment (SE) maintenance and service requirements

E7

CORE

Coordinate aircraft respot via air plans

E4

CORE

Identify primary mooring points

**SHIPBOARD/SHORE STATION AIRCRAFT HANDLING (CONT')**

<b><u>Paygrade</u></b>	<b><u>Task Type</u></b>	<b><u>Task Statements</u></b>
E4	CORE	Interpret audio signals
E4	CORE	Interpret visual signals
E7	CORE	Manage liquid Foreign Object Damage (FOD) program
E4	CORE	Operate mobile Support Equipment (SE)
E4	CORE	Operate starting units to provide aircraft auxiliary power (e.g., electrical, air start power, Auxiliary Power Unit (APU), etc.)
E4	CORE	Perform aircraft towing
E4	CORE	Perform airfield support operations
E4	CORE	Perform chock walker procedures for aircraft
E4	CORE	Perform flight deck aircraft movements
E4	CORE	Perform liquid Foreign Object Damage (FOD) removal
E4	CORE	Perform no-brake aircraft emergency procedures
E4	CORE	Perform preoperational and post operational inspections of Personal Protective Equipment (PPE)
E5	CORE	Provide aircraft electrical service via Mobile Electric Power Plants (MEPP-3) and Shipboard Mobile Electric Power Plants (SMEPP-4)
E4	CORE	Remove aircraft tow bars
E4	CORE	Respond to audio signals
E4	CORE	Respond to visual signals
E4	CORE	Secure aircraft handling equipment (i.e., chocks, chains, tow bars)
E4	CORE	Secure aircraft handling Support Equipment (SE)
E4	CORE	Stow aircraft handling equipment (i.e., chocks, chains, tow bars)
E5	CORE	Supervise daily preoperational and post operational inspections of aircraft handling Support Equipment (SE)
E7	CORE	Supervise flight deck operations
E6	CORE	Supervise Foreign Object Damage (FOD) walk downs
E6	CORE	Supervise liquid Foreign Object Damage (FOD) program
E4	CORE	Supervise securing of aircraft handling Support Equipment (SE)

**SHIPBOARD/SHORE STATIONS MAINTENANCE**

<b><u>Paygrade</u></b>	<b><u>Task Type</u></b>	<b><u>Task Statements</u></b>
E5	CORE	Conduct E-28 arresting gear journal inspections
E4	CORE	Conduct E-28 arresting gear preoperational and post operational inspections
E4	CORE	Conduct E-28 engine start-up and shutdown procedures
E4	CORE	Maintain E-28 shore based arresting gear