

CHAPTER 1



AVIATION BOATSWAIN'S MATE (AB)

NAVPERS 18068-1D

CH-63

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



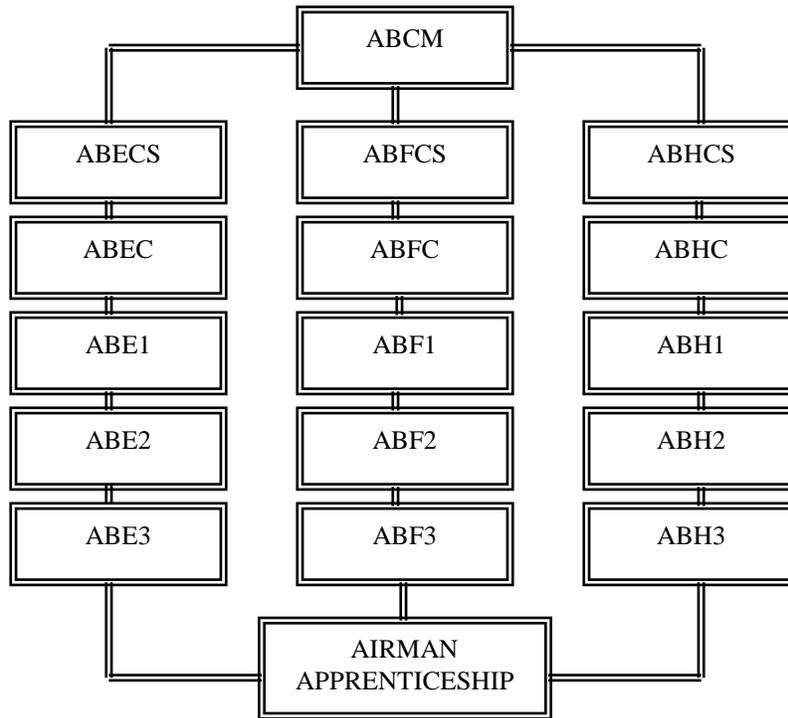
SCOPE OF RATING

Aviation Boatswain's Mates (AB) operate, maintain, and perform organizational maintenance on catapults, arresting gear, barricades, and associated flightdeck 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.

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; supervise securing of aircraft and equipment; perform crash rescue, firefighting, crash removal, and damage control duties; perform duties in connection with launching and recovery of aircraft.

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

None

Job Description

Aircraft Directors are responsible for the safe and expeditious movement of aircraft on flight decks, hangar decks, and ashore which includes the installation and removal of chocks, tie downs, and tow bars; operate tractors, elevators, conflagration stations, ouija board spotters, and safety observers; have a working knowledge of the Planned Maintenance System (PMS), deck multiple/density, aircraft fundamentals/systems and flight/hangar deck operations; and responsible for administrative duties, training initiatives, technical publication libraries, operational readiness of equipment, and upkeep of divisional spaces.

DoD RelationshipGroup Title

Aircraft Launch Equipment

DoD Code

160400

O*NET RelationshipOccupation Title

Airfield Operations Specialists

SOC Code

53-2022.00

Job Family

Transportation and Material Moving

Skills*Judgment and Decision Making**Coordination**Complex Problem Solving**Equipment Selection**Operation and Control**Monitoring**Operation Monitoring**Installation**Quality Control Analysis**Active Listening***Abilities***Visualization**Information Ordering**Multi-limb Coordination**Deductive Reasoning**Written Comprehension**Static Strength**Inductive Reasoning**Originality**Oral Expression**Manual Dexterity***SHIPBOARD/SHORE AIRCRAFT FIREFIGHTING/CRASH AND SALVAGE****Pavgrade****Task Type****Task Statements**

E4

CORE

Execute hangar bay fire drills

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 conflagration station operations

E4

CORE

Perform flight deck aircraft firefighting procedures

E4

CORE

Perform hangar bay aircraft firefighting procedures

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

E7

CORE

Account for multiple density of flight deck (F/A-18, EA-6B, E-2C, P-25, Carrier Crash Crane (CVCC), Amphibious Crash Crane (ACC), etc.)

E4

CORE

Attach tow bars from tractors

E4

CORE

Calculate elevator loads

E7

CORE

Calculate sea states

E4

CORE

Chock aircraft with rotors (H-60, H-53, etc.)

E4

CORE

Close ballistic doors

E7

CORE

Complete damage/crunch reports

E6	CORE	Conduct Air Department Training Team (ADTT) procedures
E4	CORE	Conduct aircraft handling support equipment (spotting dolly, tow tractor, Mobile Electric Power Plant (MEPP-3)) daily inspections
E4	CORE	Conduct aircraft handling support equipment (spotting dolly, tow tractor, Mobile Electric Power Plant (MEPP-3)) post-operational checks
E6	CORE	Conduct deck caller procedures during flight deck operations
E6	CORE	Conduct flight deck personnel respot briefings
E4	CORE	Conduct flight deck post-operational inspections
E5	CORE	Conduct flight deck safety training
E4	CORE	Conduct Foreign Object Debris (FOD) walk downs
E4	CORE	Conduct hangar bay post-operational inspections
E5	CORE	Conduct hangar bay safety training
E4	CORE	Conduct hot chockman procedures
E4	CORE	Conduct pre-operational inspections of the flight deck
E4	CORE	Conduct pre-operational inspections of the hangar bays
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
E6	CORE	Coordinate liquid Foreign Object Debris (FOD) program
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
E6	CORE	Coordinate respot evolutions (flight deck, hangar bay)
E5	CORE	Coordinate turning aircraft in the hangar bays
E4	CORE	De-rig safety flag staffs
E4	CORE	De-rig safety rails
E5	CORE	Dispatch starting units positions for maintenance turns (tow tractor, Mobile Electric Power Plants (MEPP-3))
E5	CORE	Dispatch tow tractors and dollies for respots of aircraft
E4	CORE	Execute barricade drills
E4	CORE	Execute fuel station fire drills (flight deck, hangar bay)
E4	CORE	Identify primary mooring points (F/A-18, EA-6B, E-2C, etc.)
E5	CORE	Inspect aircraft elevator platforms (flight deck, hangar bay)
E5	CORE	Inspect coamings (flight deck, hangar bay)
E5	CORE	Inspect safety nets (flight deck, hangar bay)
E4	CORE	Install aircraft chains (F/A-18, EA-6B, E-2C, etc.)
E4	CORE	Install aircraft chocks (F/A-18, EA-6B, E-2C, etc.)
E4	CORE	Install aircraft tow bars (F/A-18, EA-6B, E-2C, etc.)
E4	CORE	Install barricade ramps
E4	CORE	Interpret audio signals (flight deck, hangar bay)

E4	CORE	Interpret visual signals (flight deck, hangar bay)
E4	CORE	Lower aircraft elevator in normal mode
E4	CORE	Lower aircraft elevator through lower and raise cycles in manual mode
E4	CORE	Lower safety stanchions (flight deck, hangar bay)
E4	CORE	Maintain conflagration station watch logs
E4	CORE	Manage liquid Foreign Object Debris (FOD) program
E4	CORE	Manually release spotting dolly lifting arms from aircraft
E5	NON-CORE	Monitor aircraft handling support equipment (spotting dolly, tow tractor, Mobile Electric Power Plant (MEPP-3)) maintenance and service requirements
E4	CORE	Monitor starting units positions for maintenance turns (tow tractor, Mobile Electric Power Plant (MEPP-3))
E4	CORE	Move no-brake aircraft
E4	CORE	Open ballistic doors
E4	CORE	Operate mobile support equipment
E7	CORE	Perform Aircraft Handling Officer (AHO) duties during flight operations
E4	CORE	Perform aircraft hydraulic failure emergency procedures
E5	CORE	Perform Aircraft launch/maintenance/recovery respots
E4	CORE	Perform aircraft safety observer procedures
E4	CORE	Perform airfield support operations
E4	CORE	Perform chock walker procedures for aircraft (F/A-18, EA-6B, E-2C, C-2, etc.)
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 no-brake aircraft emergency procedures
E4	CORE	Plot spotting boards (Ouija/templates) using aircraft spotting phraseology (flight deck, hangar bay)
E4	CORE	Preform liquid Foreign Object Debris (FOD) removal
E5	CORE	Prepare damage/crunch reports
E5	CORE	Provide aircraft (F/A-18, EA-6B, E-2C, etc.) electrical service via Mobile Electric Power Plants (MEPP-3)
E4	CORE	Provide aircraft flight deck start-up service (electrical, air start power, APU) auxiliary power
E4	CORE	Provide aircraft hangar bay service (electrical, air start power, APU) auxiliary power
E5	CORE	Provide start air to aircraft (EA-6B, E-2C, F/A-18, etc.)
E4	CORE	Raise aircraft elevator in normal mode
E4	CORE	Raise aircraft elevator through lower and raise cycles in manual mode
E4	CORE	Raise safety stanchions (flight deck, hangar bay)
E4	CORE	Release tow bar from tractors
E4	CORE	Remove barricade ramps

E4	CORE	Respond to audio signals (flight deck, hangar bay)
E4	CORE	Respond to visual signals (flight deck, hangar bay)
E5	CORE	Rig aircraft jettison stations
E4	CORE	Rig safety flag staffs
E4	CORE	Rig safety rails
E4	CORE	Secure aircraft handling equipment (chocks, chains, tow bars)
E4	CORE	Secure aircraft handling support equipment (spotting dolly, tow tractor, Mobile Electric Power Plant (MEPP-3))
E4	CORE	Stow aircraft handling equipment (chocks, chains, tow bars)
E4	CORE	Stow barricade ramps
E4	CORE	Stow safety flag staffs
E4	CORE	Stow safety rails
E6	CORE	Supervise aircraft traffic during recovery operations
E5	CORE	Supervise daily post-operational checks of aircraft handling support equipment (spotting dolly, tow tractor, Mobile Electric Power Plant (MEPP-3))
E5	CORE	Supervise daily pre-operational checks of aircraft handling support equipment (spotting dolly, tow tractor, Mobile Electric Power Plant (MEPP-3))
E7	CORE	Supervise flight deck operations
E6	CORE	Supervise Foreign Object Debris (FOD) walk downs
E6	CORE	Supervise liquid Foreign Object Debris (FOD) program
E6	CORE	Supervise post-operation of aircraft handling support equipment (spotting dolly, tow tractor, Mobile Electric Power Plant (MEPP-3))
E5	CORE	Supervise securing of aircraft handling support equipment (spotting dolly, tow tractor, Mobile Electric Power Plant (MEPP-3))
E4	CORE	Supervise turning aircraft in the hangar bays
E4	CORE	Support respot briefs (flight deck, hangar bay)
E4	CORE	Tie down aircraft

SHIPBOARD/SHORE STATIONS MAINTENANCE

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	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 Fire fighter****Job Code****001250****Job Family**

Healthcare Practitioners and Technical

NOC

TBD

Short Title (30 Characters)

CRASH AND SALVAGE FIRE FIGHTER

Short Title (14 Characters)

CRASH SALV FF

Pay Plan

Enlisted

Career Field

ABH

Other Relationships and Rules

7011

Job Description

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

DoD Relationship*Group Title*

Aircraft Launch Equipment

DoD Code

160400

O*NET Relationship*Occupation Title*First-Line Supervisors of Fire
Fighting and Prevention Workers*SOC Code*

33-1021

Job Family

Firefighter

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

E4

CORE

Access aircraft ejection seats (F/A-18, EA-6B, E-2C, etc.)

E4

CORE

Access aircraft safety canopies (F/A-18, EA-6B, E-2C, etc.)

E4

CORE

Attach aircraft hoisting slings and belly bands (F/A-18, EA-6B, E-2C, etc.)

E4

CORE

Conduct emergency canopy jettison procedures (F/A-18, EA-6B, E-2C, etc.)

E7

CORE

Conduct fire chief procedures during airfield aircraft emergency operations

E4

CORE

Conduct flight deck rescue procedures

E4

CORE

Conduct hangar bay rescue procedures

E4

CORE

Conduct pre and post-operational checks of aircraft firefighting support equipment (P-25, Carrier Crash Crane (CVCC), Amphibious Crash Crane (ACC), etc.)

E4

CORE

Conduct rig master procedures during salvage operations

E4

CORE

Determine maximum hoisting weight (F/A-18, EA-6B, E-2C, etc.)

E4

CORE

Execute hangar bay fire drills

E4

CORE

Identify location of composite materials (F/A-18, EA-6B, E-2C, etc.)

E4

CORE

Install aircraft down locks (F/A-18, EA-6B, E-2C, etc.)

E4

CORE

Install stabilizing lines for aircraft hoisting

E4

CORE

Install tow bars on crash dollies

E4

CORE

Locate battery and Liquid Oxygen (LOX) compartments (F/A-18, EA-6B, E-2C, etc.)

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)
E5	CORE	Operate aircraft firefighting and salvage support equipment (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
E4	CORE	Operate crash forklifts for aircrew rescues, collapsed nose gear incidents, and collapsed main mount incidents (F/A-18, EA-6B, E-2C, etc.)
E4	CORE	Operate taglines (F/A-18, EA-6B, E-2C, etc.)
E4	CORE	Perform flight deck aircraft firefighting procedures
E4	CORE	Perform hangar bay aircraft firefighting procedures
E4	CORE	Perform overhaul/residual fire checks (F/A-18, EA-6B, E-2C, etc.)
E4	CORE	Perform pre and pre-operational check of Personal Protective Equipment (PPE)
E4	CORE	Secure aircraft firefighting support equipment (P-25, Carrier Crash Crane (CVCC), Amphibious Crash Crane (ACC), etc.)
E4	CORE	Secure crash dolly for collapsed main mounts (F/A-18, EA-6B, E-2C, etc.)
E4	CORE	Secure crash dolly for collapsed nose gear (F/A-18, EA-6B, E-2C, etc.)
E4	CORE	Secure crash dolly for sheared main mounts (F/A-18, EA-6B, E-2C, etc.)
E4	CORE	Secure crash dolly for sheared nose gear (F/A-18, EA-6B, E-2C, etc.)
E5	CORE	Start aircraft firefighting and salvage support equipment (P-25, Carrier Crash Crane CVCC), Amphibious Crash Crane (ACC), etc.)
E6	CORE	Supervise installation of aircraft crash dollies (F/A-18, EA-6B, E-2C, etc.)
E6	CORE	Supervise installation of hoisting equipment (F/A-18, EA-6B, E-2C, etc.)
E6	CORE	Supervise operation of aircraft crash cranes
E6	CORE	Supervise positioning of crash forklifts for rescues
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 (F/A-18, EA-6B, E-2C, etc.)
E6	CORE	Tow aircraft

SHIPBOARD/SHORE STATION AIRCRAFT HANDLING

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Attach tow bars from tractors
E6	CORE	Conduct Air Department Training Team (ADTT) procedures
E5	CORE	Conduct flight deck safety training
E6	CORE	Conduct flight deck salvage procedures
E5	CORE	Conduct hangar bay safety training
E4	CORE	Conduct hot chockman procedures
E4	CORE	Execute fuel station fire drills (flight deck, hangar bay)
E4	CORE	Identify primary mooring points (F/A-18, EA-6B, E-2C, etc.)

E4	CORE	Install aircraft chains (F/A-18, EA-6B, E-2C, etc.)
E4	CORE	Install aircraft chocks (F/A-18, EA-6B, E-2C, etc.)
E4	CORE	Install aircraft tow bars (F/A-18, EA-6B, E-2C, etc.)
E4	CORE	Interpret audio signals (flight deck, hangar bay)
E4	CORE	Interpret visual signals (flight deck, hangar bay)
E4	CORE	Operate mobile support equipment
E4	CORE	Perform aircraft hydraulic failure emergency procedures
E4	CORE	Perform flight deck salvage procedures
E4	CORE	Release tow bar from tractors
E4	CORE	Remove barricade ramps
E4	CORE	Respond to audio signals (flight deck, hangar bay)
E4	CORE	Respond to visual signals (flight deck, hangar bay)
E5	CORE	Rig aircraft jettison stations
E4	CORE	Stow barricade ramps
E7	CORE	Supervise flight deck operations

SHIPBOARD/SHORE STATIONS MAINTENANCE

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
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

7012

Job Description

Air Operations Technicians ensure the safe operation of air fields; provide assistance to transient 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; and are responsible for all firefighting and rescue operations at the immediate scene of aircraft/structural buildings on shore facilities.

DoD Relationship O*NET Relationship**Group Title**

Aircraft Launch Equipment

DoD Code

160400

Occupation Title

Airfield Operations Specialists

SOC Code

53-2022.00

Job Family

Transportation and Material Moving

Skills*Equipment Maintenance**Coordination**Judgment and Decision Making**Management of Material Resources**Operation and Control**Quality Control Analysis**Complex Problem Solving**Critical Thinking**Instructing**Monitoring***Abilities***Written Comprehension**Information Ordering**Visualization**Deductive Reasoning**Auditory Attention**Inductive Reasoning**Manual Dexterity**Multi-limb Coordination**Written Expression**UNASSIGNED***SHIPBOARD/SHORE AIRCRAFT FIREFIGHTING/CRASH AND SALVAGE****Paygrade**

E7

Task Type

CORE

Task Statements

Conduct fire chief procedures during airfield aircraft emergency operations

SHIPBOARD/SHORE STATION AIRCRAFT HANDLING**Paygrade**

E5

Task Type

CORE

Task Statements

Conduct airfield operations safety training

E4

CORE

Operate mobile support equipment

E4

CORE

Perform airfield support operations

SHIPBOARD/SHORE STATIONS MAINTENANCE**Paygrade**

E5

Task Type

CORE

Task Statements

Conduct E-28 arresting gear journal inspections

E4

CORE

Conduct E-28 arresting gear post-operational inspections

E4

CORE

Conduct E-28 arresting gear pre-operational inspections

E4

CORE

Conduct E-28 engine start-up and shutdown procedures

E4

NON-CORE

Maintain Manually Operated Visual Landing Aid Systems (MOVLAS)

E4

CORE

Maintain shore based arresting gear