

# CHAPTER 1



## AVIATION BOATSWAIN'S MATE (EQUIPMENT) (ABE)

NAVPERS 18068F-1E  
Change 96

Updated: October 2023

TABLE OF CONTENTS  
AVIATION BOATSWAIN'S MATE (EQUIPMENT) (ABE)

<b>SCOPE OF RATING</b>	<b>ABE-3</b>
<b>GENERAL INFORMATION</b>	<b>ABE-4</b>
<b>ARRISING GEAR TECHNICIAN</b>	<b>ABE-5</b>
ADMINISTRATIVE/SUPPLY AND SUPPORT	ABE-5
AIRCRAFT LAUNCH AND RECOVERY EQUIPMENT MAINTENANCE PROGRAM (ALREMP)	ABE-5
RECOVERY SYSTEMS OPERATIONS AND MAINTENANCE	ABE-6
<b>CATAPULT TECHNICIAN</b>	<b>ABE-8</b>
ADMINISTRATIVE /SUPPLY AND SUPPORT	ABE-8
AIRCRAFT LAUNCH AND RECOVERY EQUIPMENT MAINTENANCE PROGRAM (ALREMP)	ABE-8
LAUNCHING SYSTEMS AND MAINTENANCE	ABE-9

NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

AVIATION BOATSWAIN'S MATE (LAUNCHING AND RECOVERY EQUIPMENT) (ABE)



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.

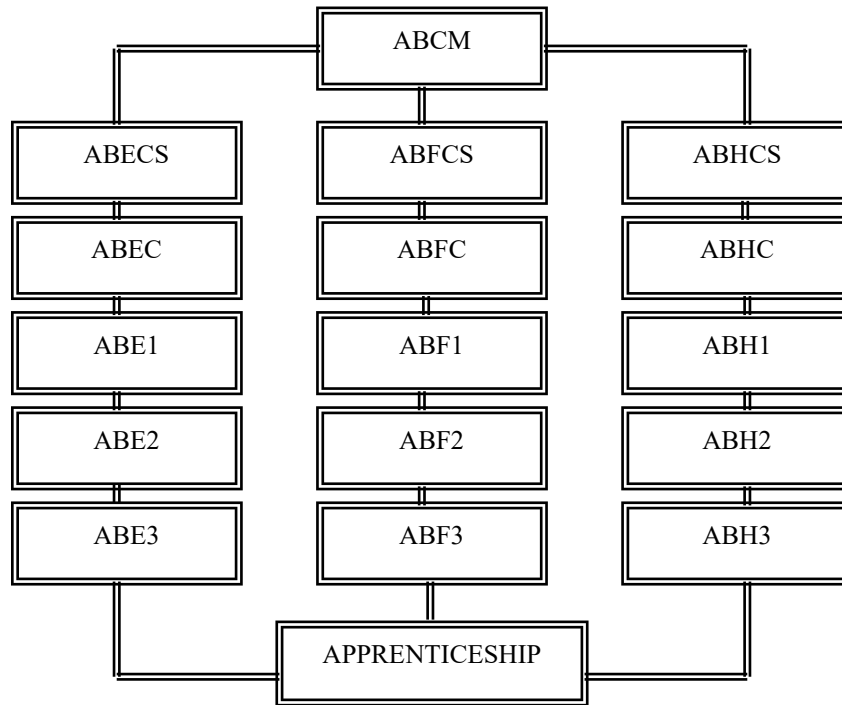
Aviation Boatswain's Mates (Launching and Recovery Equipment) (ABE) operate, maintain, and perform maintenance on steam catapults, Electro-Magnetic Aircraft Launching Systems (EMALS), barricades, arresting gear, Advanced Arresting Gear (AAG), and associated equipment ashore and afloat; operate catapult hydraulic systems, retraction engines, water brakes, jet blast deflectors, Central Charging Panels (CCP), and Integrated Catapult Control Stations (ICCS), arresting gear engines, Uninterruptable Power Supply (UPS), sheave dampers, deckedge control stations, and associated equipment; and perform flight deck aircraft handling duties related to the operation of aircraft launching and recovery 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 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****Arresting Gear Technician****Job Code****002506****Job Family**

Military Specific

**NOC**

TBD

**Short Title (30 Characters)**

ARRESTING GEAR TECHNICIAN

**Short Title (14 Characters)**

ARST GEAR TECH

**Pay Plan**

Enlisted

**Career Field**

ABE

**Other Relationships and Rules**

NECs DXXX and 7XXX series and other NECs as assigned

**Job Description**

Arresting Gear Technicians operate and maintain arresting gear, Advanced Arresting Gear (AAG), and barricade equipment systems; work with pressurized hydraulic and pneumatic equipment utilizing both basic and precision tools; perform preventative and corrective maintenance on equipment; maintain the material condition of all assigned spaces; perform recordkeeping; and demonstrate working knowledge of technical libraries and the Planned Maintenance System (PMS).

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

Aircraft Launch Equipment

**DoD Code**

160400

**O\*NET Relationship****Occupation Title**

Aircraft Launch and Recovery Specialists

**SOC Code**

55-3012.00

**Job Family**

Military Specific

**Skills***Management of Material Resources**Critical Thinking**Complex Problem Solving**Management of Personnel Resources**Systems Analysis**Equipment Maintenance**Judgment and Decision Making**Monitoring**Operation Monitoring**Operation and Control***Abilities***Written Comprehension**Oral Expression**Inductive Reasoning**Problem Sensitivity**Time Sharing**Dynamic Strength**Information Ordering**Control Precision**Speed of Closure**Deductive Reasoning***ADMINISTRATION/SUPPLY AND SUPPORT****Paygrade****Task Type****Task Statements**

E7

CORE

Manage V2 divisional personnel, spaces, and administration

E5

CORE

Monitor arresting gear administrative operations

E4

CORE

Perform arresting gear administrative operations

E4

CORE

Perform material control operations

E6

CORE

Supervise arresting gear administrative operations

E6

CORE

Supervise V2 divisional personnel, spaces, and administration

**AIRCRAFT LAUNCH AND RECOVERY EQUIPMENT MAINTENANCE PROGRAM (ALREMP)****Paygrade****Task Type****Task Statements**

E6

CORE

Maintain Aircraft Launch and Recovery Equipment Maintenance Program (ALREMP)

E7

CORE

Manage air department divisional (V2) maintenance and operations

E7

CORE

Manage Aircraft Launch and Recovery Equipment (ALRE) Quality Assurance (QA) branch

E7

CORE

Manage Aircraft Launch and Recovery Equipment Maintenance Program (ALREMP)

E7

CORE

Manage maintenance support branch

**AIRCRAFT LAUNCH AND RECOVERY EQUIPMENT MAINTENANCE PROGRAM (ALREMP) (CONT'D)**

<b><u>Paygrade</u></b>	<b><u>Task Type</u></b>	<b><u>Task Statements</u></b>
E6	CORE	Monitor Aircraft Launch and Recovery Equipment (ALRE) Quality Assurance (QA) programs
E5	CORE	Monitor maintenance support operations
E4	CORE	Perform maintenance support operations
E6	CORE	Supervise maintenance support operations

**RECOVERY SYSTEMS OPERATIONS AND MAINTENANCE**

<b><u>Paygrade</u></b>	<b><u>Task Type</u></b>	<b><u>Task Statements</u></b>
E6	CORE	Conduct arresting gear Air Department Training Team (ADTT) briefs
E4	CORE	Conduct arresting gear barricade pre and post operational inspections
E4	CORE	Conduct arresting gear below deck operations
E4	CORE	Conduct arresting gear flight deck operations
E4	CORE	Conduct arresting gear flight deck pre and post operational inspections
E4	CORE	Conduct arresting gear functional tests
E5	CORE	Inspect arresting gear barricade equipment
E4	CORE	Inspect arresting gear below deck equipment
E4	CORE	Inspect arresting gear flight deck equipment
E7	CORE	Manage arresting gear maintenance and operations
E5	CORE	Monitor arresting gear for below deck emergencies (i.e., hydraulic leakage, erratic engine jerking/bounce back, low battery indicator, etc.)
E5	CORE	Monitor arresting gear for flight deck emergencies (i.e., sheave smoking excessively, stuck anchors, engine not retracting, etc.)
E4	CORE	Operate arresting gear barricade stations
E4	CORE	Operate arresting gear below deck stations
E4	CORE	Operate arresting gear flight deck stations
E4	CORE	Perform arresting gear barricade components preventive maintenance
E4	CORE	Perform arresting gear barricade equipment corrective maintenance
E4	CORE	Perform arresting gear below deck equipment corrective maintenance
E4	CORE	Perform arresting gear below deck preventive maintenance
E4	CORE	Perform arresting gear emergency response below deck
E4	CORE	Perform arresting gear emergency response on the flight deck
E4	CORE	Perform arresting gear flight deck equipment corrective maintenance
E4	CORE	Perform arresting gear flight deck equipment preventive maintenance
E5	CORE	Supervise arresting gear below deck inspections
E6	CORE	Supervise arresting gear below deck operations
E6	CORE	Supervise arresting gear crews
E6	CORE	Supervise arresting gear emergency below deck response
E6	CORE	Supervise arresting gear emergency flight deck response
E5	CORE	Supervise arresting gear flight deck inspections

# **RECOVERY SYSTEMS OPERATIONS AND MAINTENANCE (CONT'D)**

<b><u>Paygrade</u></b>	<b><u>Task Type</u></b>	<b><u>Task Statements</u></b>
E6	CORE	Supervise arresting gear flight deck operations
E6	CORE	Supervise arresting gear maintenance actions
E6	CORE	Supervise barricade corrective maintenance
E6	CORE	Supervise barricade rigging
E5	CORE	Troubleshoot arresting gear barricade equipment
E5	CORE	Troubleshoot arresting gear below deck equipment
E5	CORE	Troubleshoot arresting gear flight deck equipment

**Job Title****Catapult Technician****Job Code****002584****Job Family**

Military Specific

**NOC**

TBD

**Short Title (30 Characters)**

CATAPULT TECHNICIAN

**Short Title (14 Characters)**

CATAPULT TECH

**Pay Plan**

Enlisted

**Career Field**

ABE

**Other Relationships and Rules**

NECs DXXX and 7XXX series and other NECs as assigned

**Job Description**

Catapult Technicians operate and maintain catapult equipment and systems; work with pressurized hydraulic, pneumatic, electro-magnetic, and steam systems utilizing both basic and precision tools; perform preventative and corrective maintenance on equipment; maintain the material condition of all assigned spaces; perform recordkeeping; and demonstrate a strong working knowledge of technical libraries and the Planned Maintenance System (PMS).

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

Aircraft Launch Equipment

**DoD Code**

160400

**O\*NET Relationship****Occupation Title**

Aircraft Launch and Recovery Specialists

**SOC Code**

55-3012.00

**Job Family**

Military Specific

**Skills***Management of Material Resources**Management of Personnel Resources**Equipment Maintenance**Repairing**Critical Thinking**Complex Problem Solving**Judgment and Decision Making**Monitoring**Systems Analysis**Troubleshooting***Abilities***Written Comprehension**Oral Expression**Time Sharing**Deductive Reasoning**Information Ordering**Problem Sensitivity**Inductive Reasoning**Category Flexibility**Control Precision**Multi-limb Coordination***ADMINISTRATION/SUPPLY AND SUPPORT****Paygrade****Task Type****Task Statements**

E7

CORE

Manage V2 divisional personnel, spaces, and administration

E5

CORE

Monitor catapult administrative operations

E4

CORE

Perform catapult administrative operations

E4

CORE

Perform material control operations

E6

CORE

Supervise V2 divisional personnel, spaces, and administration

**AIRCRAFT LAUNCH AND RECOVERY EQUIPMENT MAINTENANCE PROGRAM (ALREMP)****Paygrade****Task Type****Task Statements**

E6

CORE

Maintain Aircraft Launch and Recovery Equipment Maintenance Program (ALREMP)

E7

CORE

Manage air department divisional (V2) maintenance and operations

E7

CORE

Manage Aircraft Launch and Recovery Equipment (ALRE) Quality Assurance (QA) branch

E7

CORE

Manage Aircraft Launch and Recovery Equipment Maintenance Program (ALREMP)

E7

CORE

Manage maintenance support branch

E6

CORE

Monitor Aircraft Launch and Recovery Equipment (ALRE) Quality Assurance (QA) programs

E5

CORE

Monitor maintenance support operations



**AIRCRAFT LAUNCH AND RECOVERY EQUIPMENT MAINTENANCE PROGRAM (ALREMP) (CONT'D)**

<b><u>Paygrade</u></b>	<b><u>Task Type</u></b>	<b><u>Task Statements</u></b>
E4	CORE	Perform maintenance support operations
E6	CORE	Supervise maintenance support operations

**LAUNCHING SYSTEMS OPERATIONS AND MAINTENANCE**

<b><u>Paygrade</u></b>	<b><u>Task Type</u></b>	<b><u>Task Statements</u></b>
E6	CORE	Conduct catapult Air Department Training Team (ADTT) briefs
E7	CORE	Manage catapult maintenance and operations
E6	CORE	Monitor catapult for below deck emergencies (i.e., sheave smoking excessively, stuck anchors, engine not retracting, etc.)
E6	CORE	Monitor catapult for flight deck emergencies (i.e., sheave smoking excessively, stuck anchors, engine not retracting, etc.)
E4	CORE	Operate catapult below deck stations
E4	CORE	Operate catapult flight deck stations
E4	CORE	Perform catapult below deck corrective maintenance
E4	CORE	Perform catapult below deck maintenance procedures
E4	CORE	Perform catapult below deck pre and post operational inspections
E4	CORE	Perform catapult below deck preventive maintenance
E5	CORE	Perform catapult emergency response below deck
E4	CORE	Perform catapult emergency response on the flight deck
E4	CORE	Perform catapult flight deck corrective maintenance
E4	CORE	Perform catapult flight deck maintenance procedures
E4	CORE	Perform catapult flight deck operations
E4	CORE	Perform catapult flight deck pre and post operational inspections
E4	CORE	Perform catapult flight deck preventive maintenance
E4	CORE	Perform catapult functional tests
E6	CORE	Supervise bow catapult crews
E6	CORE	Supervise catapult administrative operations
E6	CORE	Supervise catapult below deck inspections
E6	CORE	Supervise catapult emergency below deck response
E6	CORE	Supervise catapult emergency flight deck response
E6	CORE	Supervise catapult flight deck corrective maintenance
E6	CORE	Supervise catapult flight deck inspections
E6	CORE	Supervise catapult flight deck operations
E6	CORE	Supervise catapult test procedures
E6	CORE	Supervise execution of catapult below deck corrective maintenance procedures
E6	CORE	Supervise waist catapult crews
E4	CORE	Troubleshoot catapult below deck equipment
E4	CORE	Troubleshoot catapult flight deck equipment