

CHAPTER 8

AIRMAN (AN)

NAVPERS 18068F-8D
Change 90

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NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

AIRMAN (AN)

APPRENTICESHIP

SCOPE OF RATING

Airmen (AN) assist in the maintenance of aircraft and associated aeronautical equipment; assist in the maintenance of aircraft support equipment; service and clean aircraft; assist in aircraft handling; and perform other apprenticeship duties required in the operation of naval aviation activities afloat and ashore.

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) as Chapter 8.

PATHS OF ADVANCEMENT

Per NAVADMIN 275/19, Professional Career Apprenticeship Track (PACT) Sailors will receive rating designating based upon the billet for which they are selected in MyNavy Assignment (MNA).

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**Airman****Job Code****002687****Job Family**

Installation, Maintenance, and Repair

NOC

TBD

Short Title (30 Characters)

AIRMAN

Short Title (14 Characters)

AIRMAN

Pay Plan

ENLISTED

Career Field

AN

Other Relationships and Rules

N/A

Job Description

Airmen assist in the maintenance of aircraft and associated aeronautical equipment; assist in the maintenance of aircraft Support Equipment (SE); service and clean aircraft; assist in aircraft handling; and perform other apprenticeship duties required in the operation of naval aviation activities afloat and ashore.

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

190000

O*NET Relationship**Occupation Title**Maintenance and Repair Workers,
General**SOC Code**

49-9042.00

Job FamilyInstallation, Maintenance, and
Repair**Skills***Active Learning**Reading Comprehension**Equipment Selection**Equipment Maintenance**Quality Control Analysis**Repairing**Coordination**Monitoring**Operation and Control**Speaking***Abilities***Written Comprehension**Deductive Reasoning**Manual Dexterity**Memorization**Response Orientation**Spatial Orientation**Rate Control**Near Vision**Auditory Attention**Far Vision***AIRCRAFT MAINTENANCE****Paygrade****Task Type****Task Statements**

E3

CORE

Explain the general purposes of aircraft electrical systems

E3

CORE

Identify general types of aircraft electronic equipment

E3

CORE

Identify major structural components of aircraft

E3

CORE

Identify types of aircraft power plants

E3

CORE

Read aircraft quantity, temperature, pressure gauges and instruments

E3

CORE

Service aircraft with fuel

E3

CORE

Service aircraft with hydraulic fluid

E3

CORE

Service aircraft with nitrogen/air

E3

CORE

Service aircraft with oil

E3

CORE

Use common aircraft screws, nuts, bolts, and tools

E3

CORE

Utilize reference tools and materials (e.g., Joint Technical Data Integration (JTDI),
Personal Electronic Maintenance Aids (PEMA), etc.)

AVIATION SUPPORT OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E3	CORE	Clean aircraft handling equipment
E3	CORE	Communicate with the tower
E3	CORE	Connect external power cables for starting and servicing aircraft
E3	CORE	Demonstrate the general methods of handling land-based and carrier aircraft
E3	CORE	Describe the designation system for Naval aircraft
E3	CORE	Direct aircraft using standard aircraft taxi signals
E3	CORE	Disconnect external power cables for starting and servicing aircraft
E3	CORE	Discuss the purposes of common aviation Support Equipment (SE)
E3	CORE	Document aircraft maintenance
E3	CORE	Explain the general purposes of aircraft cable control systems
E3	CORE	Explain the general purposes of aircraft hydraulic systems
E3	CORE	Explain the general purposes of aircraft pneumatic systems
E3	CORE	Identify the color codes and markings used for aircraft lines, tubing, and hoses
E3	CORE	Identify the color coding of flight deck clothing and protective equipment used aboard aircraft capable ships/vessels
E3	CORE	Identify the major types of handling equipment associated with land-based and carrier aircraft
E3	CORE	Identify types of aircraft armament equipment
E3	CORE	Identify types of common aviation support equipment
E3	CORE	Lubricate aircraft handling equipment
E3	CORE	Operate mobile equipment around aircraft
E3	CORE	Perform duties as member of aircraft handling crew
E3	CORE	Ride brakes of aircraft being towed or pushed
E3	CORE	Sample fuel for contaminants
E3	CORE	Secure and tie down aircraft
E3	CORE	Service aircraft handling equipment
E3	CORE	Service aircraft servicing equipment
E3	CORE	Stand aircraft integrity watches
E3	CORE	Use aviation publications (e.g., Navy Aviation Maintenance Programs (NAMP), Naval Air Training and Operating Procedures Standardization (NATOPS), etc.)

CORROSION CONTROL AND MATERIAL PRESERVATION

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E3	CORE	Clean and preserve aircraft tie downs
E3	CORE	Identify the different types of corrosion
E3	CORE	Inspect aircraft and support equipment (SE) for presence of corrosion
E3	CORE	Perform corrosion prevention techniques
E3	CORE	Perform corrosion treatment techniques

NAVAL ORIENTATION AND ORGANIZATION

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E3	CORE	Define common Naval aviation terms and nomenclature
E3	CORE	Describe the general functions of aviation activities (e.g., ashore/afloat, squadrons, departments, etc.)
E3	CORE	Describe the organizational structure of Naval aviation

SAFETY

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E3	CORE	Carry out general procedures for gaining entrance to aircraft under emergency conditions
E3	CORE	Describe and practice Naval aviation tool control program procedures
E3	CORE	Describe emergency light communication procedures
E3	CORE	Describe the procedures for extinguishing fires caused by hot brakes
E3	CORE	Identify the color marking system for vehicles used on airfields and flight lines
E3	CORE	Identify the flight deck markings and lighting systems
E3	CORE	Identify the hazards associated with the use of hazardous materials
E3	CORE	Identify when an ejection seat is armed/safe
E3	CORE	Install common aircraft safety and locking devices
E3	CORE	Maintain personal protective equipment (e.g., float coat, cranial, etc.)
E3	CORE	Perform Foreign Object Debris (FOD) walkdowns
E3	CORE	Recognize flight deck hand signals
E3	CORE	Recognize the markings indicating dangerous areas on airfields, aircraft, and flight decks
E3	CORE	Stand fire watch during fueling, defueling, and starting of aircraft