

CHAPTER 8

AIRMAN (AN)

NAVPERS 18068-8C
CH-50

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TABLE OF CONTENTS

AIRMAN (AN)

SCOPE OF RATING	AN-3
GENERAL INFORMATION	AN-4
AIRMAN	AN-5
AVIATION SUPPORT OPERATIONS	AN-5
AIRCRAFT MAINTENANCE	AN-6
CORROSION CONTROL AND MATERIAL PRESERVATION	AN-6
SAFETY	AN-6
GENERAL WATCHSTANDING	AN-7
NAVAL ORIENTATION AND ORGANIZATION	AN-7

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 OF ENLISTED PERSONNEL
CAREER PATHS FOR THE AIRMAIN APPRENTICESHIP**

RATING TITLE	E-4	E-5	E-6	E-7	E-8	E-9
AEROGRAPHER'S MATE	AG3	AG2	AG1	AGC	AGCS	AGCM
AIR TRAFFIC CONTROLLER	AC3	AC2	AC1	ACC	ACCS	ACCM
AIRCREW SURVIVAL EQUIPMENTMAN	PR3	PR2	PR1	PRC	PRCS	PRCM
NAVAL AIRCREWMAN (OPERATOR)	AWO3	AWO2	AWO1	AWOC	AWOCS	AWCM
NAVAL AIRCREWMAN (TACTICAL HELICOPTER)	AWR3	AWR2	AWR1	AWRC	AWRCS	AWCM
NAVAL AIRCREWMAN (HELICOPTER)	AWS3	AWS2	AWS1	AWSC	AWSCS	AWCM
NAVAL AIRCREWMAN (AVIONICS)	AWV3	AWV2	AWV1	AWVC	AWVCS	AWCM
NAVAL AIRCREWMAN (MECHANICAL)	AWF3	AWF2	AWF1	AWFC	AWFCS	AWCM
AVIATION BOATSWAIN'S MATE (LAUNCHING AND RECOVERY EQUIPMENT)	ABE3	ABE2	ABE1	ABEC	ABECS	ABCM
AVIATION BOATSWAIN'S MATE (FUELS)	ABF3	ABF2	ABF1	ABFC	ABFCS	ABCM
AVIATION BOATSWAIN'S MATE (AIRCRAFT HANDLING)	ABH3	ABH2	ABH1	ABHC	ABHCS	ABCM
AVIATION ELECTRICIAN'S MATE	AE3	AE2	AE1	AEC	A ECS	AVCM
AVIATION ELECTRONICS TECHNICIAN	AT3	AT2	AT1	ATC	ATCS	AVCM
AVIATION MACHINIST'S MATE	AD3	AD2	AD1	ADC	ADCS	AFCM
AVIATION MAINTENANCE ADMINISTRATIONMAN	AZ3	AZ2	AZ1	AZC	AZCS	AZCM
AVIATION ORDNANCEMAN	AO3	AO2	AO1	AOC	AOCS	AOCM
AVIATION STRUCTURAL MECHANIC	AM3	AM2	AM1	AMC	AMCS	AFCM
AVIATION STRUCTURAL MECHANIC	AME3	AME2	AME1	AMEC	AMCS	AFCM
AVIATION SUPPORT EQUIPMENT TECHNICIAN	AS3	AS2	AS1	ASC	ASCS	ASCM

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 (10 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; 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*

Non-Occupational

DoD Code

190000

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

49-9042.00

*Job Family*Installation, Maintenance, and
Repair**Skills**

Active Learning
Active Listening
Time Management
Speaking
Reading Comprehension
Writing
Coordination
Troubleshooting
Equipment Maintenance
Repairing

Abilities

Written Comprehension
Problem Sensitivity
Memorization
Deductive Reasoning
Time Sharing
Reaction Time
Auditory Attention
Mathematical Reasoning
Spatial Orientation
Response Orientation

AVIATION SUPPORT OPERATIONS**Paygrade****Task Type****Task Statements**

E3	CORE	Clean, service, and lubricate aircraft handling equipment
E3	CORE	Communicate with the tower
E3	CORE	Connect and disconnect aircraft batteries
E3	CORE	Connect and disconnect external power cables for starting and servicing aircraft
E3	CORE	Direct aircraft using standard aircraft taxi signals
E3	CORE	Document aircraft maintenance
E3	CORE	Identify types of aircraft armament equipment
E3	CORE	Identify types and know the purposes of common aviation support equipment
E3	CORE	Know the color codes and markings used for aircraft lines, tubing, and hoses
E3	CORE	Know the color coding of flight deck clothing and protective equipment used aboard aircraft carriers
E3	CORE	Know the designation system for Naval aircraft
E3	CORE	Know the general methods of handling land-based and carrier aircraft
E3	CORE	Know the general purposes of aircraft cable control systems
E3	CORE	Know the general purposes of aircraft hydraulic systems
E3	CORE	Know the general purposes of aircraft pneumatic systems
E3	CORE	Know the major types of handling equipment associated with land-based and carrier aircraft
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 servicing equipment
E3	CORE	Use aviation publications (Navy Aviation Maintenance Programs (NAMPS), Naval Air Training and Operating Procedures Standardization (NATOPS), etc.)

AIRCRAFT MAINTENANCE

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E3	CORE	Collect oil samples
E3	CORE	Identify types of aircraft power plants
E3	CORE	Identify general types of aircraft electronic equipment
E3	CORE	Identify major structural components of aircraft
E3	CORE	Know the general purposes of aircraft electrical systems
E3	CORE	Knowledge of reference tools and materials (Joint Technical Data Integration (JDTI), Personal Electronic Maintenance Aids (PEMA), etc.)
E3	CORE	Read aircraft quantity, temperature, and 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 measuring tools

CORROSION CONTROL AND MATERIAL PRESERVATION

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E3	CORE	Clean and treat corrosion
E3	CORE	Handle, clean, and preserve aircraft tie downs
E3	CORE	Inspect aircraft for presence of corrosion, rust, and pitting

SAFETY

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E3	CORE	Arm and safe ejection seat
E3	CORE	Carry out general procedures for gaining entrance to aircraft under emergency conditions
E3	CORE	Install common aircraft safety and locking devices
E3	CORE	Know emergency light communication procedures
E3	CORE	Know flight deck hand signals
E3	CORE	Know the carrier flight deck markings and lighting systems
E3	CORE	Know the color marking system for vehicles used on airfields and flight lines
E3	CORE	Know the markings indicating dangerous areas on airfields, aircraft, and flight decks
E3	CORE	Know the procedures for extinguishing fires caused by hot brakes
E3	CORE	Know the toxic properties of aircraft cleaning materials
E3	CORE	Know when an ejection seat is armed/ safe
E3	CORE	Knowledge of how the tool control program applies to Naval aviation
E3	CORE	Perform Foreign Object Debris (FOD) walkdowns
E3	CORE	Stand fire watch during fueling, defueling, and starting of aircraft

GENERAL WATCHSTANDING

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E3	CORE	Stand aircraft security watches

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	Know the general functions of squadrons, departments, divisions of ashore, and or afloat aviation activities
E3	CORE	Know the organizational structure of Naval aviation