

# CHAPTER 38



## GUNNER'S MATE (GM)

NAVPERS 18068-38F

**CH-55**

Updated: July 2013

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NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

GUNNER'S MATE (GM)



SCOPE OF RATING

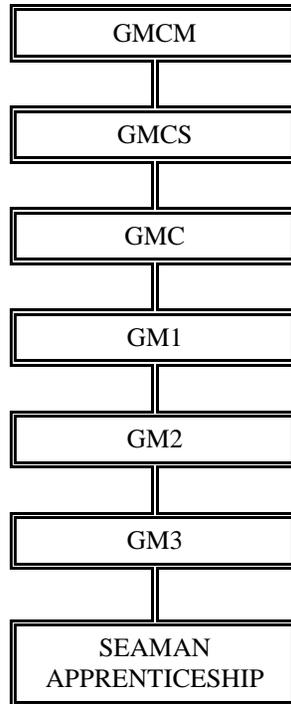
Gunner's Mates (GM) operate, perform, and coordinate organizational and intermediate maintenance on guided missile launching systems, missile launching groups, guns, gun mounts, small arms, and associated handling equipment; make detailed electrical, electronic, hydraulic, and mechanical casualty analyses; inspect, test, analyze, and direct repair of electric, electronic, hydraulic, mechanical, and servo systems; test and inspect ammunition, missiles, and their components; prepare missiles and launching equipment for checkout and firing; test, inspect, and repair magazine sprinkler systems; supervise personnel in handling and stowing of ammunition, missiles, and their components; supervise personnel in small arms qualifications; inspect and direct repair of magazines and ammunition stowage spaces; and supervise crews assigned to ordnance equipment.

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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 38.

## 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****Weapons Administrator****Job Code****003730****Job Family**

Military Specific

**NOC**

TBD

**Short Title (30 Characters)**

WEAPONS ADMINISTRATOR

**Short Title (10 Characters)**

WEP ADM

**Pay Plan**

Enlisted

**Career Field**

GM

**Other Relationships and Rules**

Not applicable, based upon the NEC assigned to the job (if any).

**Job Description**

Weapons Administrators maintain the programs that report the utilization and expenditures of explosives and the ordering of ammunition and Weapons; track personnel qualification and certifications; coordinate ammunition load and offload plans; and inspect ordnance, ordnance stowage spaces and fire suppression systems.

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

Artillery and Gunnery

**DoD Code**

104100

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

First-Line Supervisors/Managers of Weapons Specialists/Crew Members

**SOC Code**

55-3019.99

**Job Family**

Military Specific

**Skills***Operation and Control**Monitoring**Quality Control Analysis**Management of Material Resources**Coordination**Management of Personnel Resources**Active Learning**Critical Thinking**Operation Monitoring**Reading Comprehension***Abilities***Deductive Reasoning**Problem Sensitivity**Speed of Closure**Selective Attention**Auditory Attention**Inductive Reasoning**Information Ordering**Written Comprehension**Written Expression**Category Flexibility***AUXILIARY EQUIPMENT AND SUPPORT SYSTEMS****Paygrade**

E4

**Task Type**

CORE

**Task Statements**

Perform external communications (radios, telephones, ship-to-ship, and ship-to-shore)

E4

CORE

Perform internal communications (verbal communications, sound-powered phone, and Internal Voice Communication Systems (IVCS))

**CREW-SERVED WEAPONS AND SMALL ARMS****Paygrade**

E6

**Task Type**

CORE

**Task Statements**

Manage crew-served weapons qualifications

E6

CORE

Manage small arms inventories

E6

CORE

Monitor small arms qualifications

E7

CORE

Transfer custody of small arms

**EQUIPMENT ADMINISTRATION****Paygrade**

E7

**Task Type**

CORE

**Task Statements**

Approve installation and alteration of equipment

E7

CORE

Coordinate equipment certifications

E7

CORE

Maintain Arms, Ammunition, and Explosive (AA&amp;E) programs

E7

CORE

Manage alignment of weapons and combat systems equipment

E6

CORE

Manage Arms, Ammunition, and Explosive (AA&amp;E) assets

E7	CORE	Manage Arms, Ammunition, and Explosive (AA&E) programs
E6	CORE	Manage controlled equipment
E6	CORE	Manage work center equipment and system level administration
E6	CORE	Monitor contractor testing
E5	CORE	Sentence Arms, Ammunition, and Explosives (AA&E) assets
E6	CORE	Supervise installation and alteration of equipment

**ORDNANCE EVOLUTIONS AND MAGAZINE SYSTEMS**

<b><u>Paygrade</u></b>	<b><u>Task Type</u></b>	<b><u>Task Statements</u></b>
E7	CORE	Coordinate ordnance handling evolutions
E6	CORE	Direct cranes
E6	CORE	Manage magazine and locker inspections
E7	CORE	Manage ordnance handling evolutions
E6	CORE	Manage ordnance stowage operations
E7	CORE	Monitor ordnance handling evolutions
E6	CORE	Monitor ordnance inspections
E7	CORE	Monitor weapons casualty evolutions
E6	CORE	Signal cranes
E7	CORE	Supervise magazine sprinkler systems testing
E6	CORE	Test magazine sprinkler systems

**WEAPONS SYSTEMS**

<b><u>Paygrade</u></b>	<b><u>Task Type</u></b>	<b><u>Task Statements</u></b>
E7	CORE	Analyze gun weapons systems data
E7	CORE	Analyze missile delivery systems data
E6	CORE	Monitor gun weapons systems uploading and downloading
E7	CORE	Monitor missile delivery systems on-load and off-load
E6	CORE	Monitor torpedo delivery systems loading and unloading

**Job Title****Weapons Delivery System Technician****Job Code****003731****Job Family**

Military Specific

**NOC**

TBD

**Short Title (30 Characters)**

WEAPONS DELIVERY SYSTEM TEC

**Short Title (10 Characters)**

WEP DS TEC

**Pay Plan**

Enlisted

**Career Field**

GM

**Other Relationships and Rules**

GM- 0878, 0879, 0880, 0981, 0979, 9536

**Job Description**

Weapons Delivery Systems Technicians are responsible for major caliber weapons systems which include: Vertical Launching Systems (VLS), 5 inch 54 caliber light weight gun mounts and 76MM Light Weight Gun Mounts; conduct mechanical, electrical, and electronic casualty analysis using technical publications, circuit diagrams and blueprints; repair, maintain, test, and calibrate ordnance equipment, micro-processing equipment; service and repair hydraulic and pneumatic systems; and maintain and repair magazine sprinkler and deluge systems.

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

Artillery and Gunnery

**DoD Code**

104100

**Occupation Title**

First-Line Supervisors/Managers of Weapons Specialists/Crew Members

**SOC Code**

55-3019.99

**Job Family**

Military Specific

**Skills***Equipment Selection**Equipment Maintenance**Operation Monitoring**Troubleshooting**Complex Problem Solving**Operation and Control**Coordination**Repairing**Quality Control Analysis**Management of Material Resources***Abilities***Manual Dexterity**Deductive Reasoning**Problem Sensitivity**Finger Dexterity**Selective Attention**Written Comprehension**Control Precision**Information Ordering**Inductive Reasoning**Oral Expression***AUXILIARY EQUIPMENT AND SUPPORT SYSTEMS****Paygrade****Task Type****Task Statements**

E4

CORE

Operate auxiliary air and cooling water systems

E4

CORE

Perform external communications (radios, telephones, ship-to-ship, and ship-to-shore)

E4

CORE

Perform internal communications (verbal communications, sound-powered phone, and Internal Voice Communication Systems (IVCS))

E4

CORE

Perform preventive maintenance on auxiliary air and cooling water systems

E4

CORE

Repair auxiliary air and cooling water systems

E4

CORE

Test auxiliary air and cooling water systems

E4

CORE

Troubleshoot auxiliary air and cooling water systems

**CREW-SERVED WEAPONS AND SMALL ARMS****Paygrade****Task Type****Task Statements**

E5

CORE

Conduct crew-served weapons training

E4

CORE

Deploy crew-served weapons

E5

CORE

Monitor crew-served weapons operations

E4

CORE

Operate crew-served weapons

E4

CORE

Perform preventive maintenance on shipboard weapons

E4

CORE

Repair shipboard weapons

E4 CORE Test shipboard weapons

### **EQUIPMENT ADMINISTRATION**

<b><u>Paygrade</u></b>	<b><u>Task Type</u></b>	<b><u>Task Statements</u></b>
E4	CORE	Collect equipment and systems status data
E4	CORE	Document equipment status
E4	CORE	Inspect work areas, tools, and electronic systems equipment
E4	CORE	Inventory controlled equipment
E5	CORE	Inventory Maintenance Assistance Modules (MAM)
E4	CORE	Issue Arms, Ammunition, and Explosives (AA&E) assets
E5	CORE	Maintain ordnance management systems databases
E5	CORE	Monitor contractor installations
E4	CORE	Receive custody of Arms, Ammunition, and Explosive (AA&E) assets
E5	NON-CORE	Review technical briefs, notices, and bulletins
E5	CORE	Supervise controlled equipment inventories
E5	CORE	Supervise equipment and system level operations
E5	CORE	Supervise equipment and system level preventive maintenance
E5	CORE	Supervise Maintenance Assistance Modules (MAM) usage

### **ORDNANCE EVOLUTIONS AND MAGAZINE SYSTEMS**

<b><u>Paygrade</u></b>	<b><u>Task Type</u></b>	<b><u>Task Statements</u></b>
E4	CORE	Inspect ordnance containers
E4	CORE	Inspect ordnance magazines and lockers
E5	CORE	Inventory weapons casualty equipment
E4	CORE	Operate cranes
E4	CORE	Operate magazine equipment
E4	CORE	Operate magazine sprinkler systems
E4	CORE	Operate Material Handling Equipment (MHE)
E4	CORE	Operate Ordnance Handling Equipment (OHE)
E4	CORE	Operate weapons elevators and hoists
E4	CORE	Pack ordnance
E4	CORE	Perform ordnance fuel spill decontamination procedures
E5	CORE	Perform ordnance inspections
E4	CORE	Perform preventive maintenance on fiber optic cables and connectors
E4	CORE	Perform preventive maintenance on magazine equipment
E4	CORE	Perform preventive maintenance on magazine sprinkler systems
E4	CORE	Perform preventive maintenance on Material Handling Equipment (MHE)
E4	CORE	Perform preventive maintenance on ordnance containers

E4	CORE	Perform preventive maintenance on Ordnance Handling Equipment (OHE)
E4	CORE	Perform preventive maintenance on ordnance magazines and lockers
E4	CORE	Perform preventive maintenance on weapons casualty equipment
E4	CORE	Perform preventive maintenance on weapons elevators and hoists
E4	CORE	Perform weapons casualty procedures
E4	CORE	Prepare ordnance
E4	CORE	Repair magazine equipment
E4	CORE	Repair magazine sprinkler systems
E4	CORE	Repair Material Handling Equipment (MHE)
E4	CORE	Repair ordnance containers
E4	CORE	Repair Ordnance Handling Equipment (OHE)
E4	CORE	Repair weapons casualty equipment
E4	CORE	Repair weapons elevators and hoists
E4	CORE	Stow ordnance
E5	CORE	Supervise magazine and locker inspections
E4	CORE	Supervise Material Handling Equipment (MHE) operations
E5	CORE	Supervise ordnance fuel spill decontamination procedures
E5	CORE	Supervise Ordnance Handling Equipment (OHE) testing
E5	CORE	Supervise ordnance handling evolutions
E5	CORE	Supervise ordnance inspections
E5	CORE	Supervise ordnance stowage operations
E5	CORE	Supervise weapons casualty evolutions
E4	CORE	Test Material Handling Equipment (MHE)
E4	CORE	Test Ordnance Handling Equipment (OHE)
E4	CORE	Test weapons casualty equipment
E5	CORE	Test weapons elevators
E4	CORE	Test weapons hoist
E5	CORE	Transfer ordnance
E4	CORE	Troubleshoot magazine equipment
E4	CORE	Troubleshoot magazine sprinkler systems
E4	CORE	Troubleshoot Material Handling Equipment (MHE)
E4	CORE	Troubleshoot Ordnance Handling Equipment (OHE)
E4	CORE	Troubleshoot weapons casualty equipment
E4	CORE	Troubleshoot weapons elevators and hoists
E4	CORE	Unpack ordnance

## TECHNICAL CORE FUNDAMENTALS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Align weapons systems and combat systems equipment
E4	NON-CORE	Identify the effects of Electromagnetic Interference (EMI) and Radio Frequency Interference (RFI)
E4	NON-CORE	Interpret blueprints and ships drawings
E4	NON-CORE	Interpret electronic schematics
E4	NON-CORE	Interpret mechanical drawings
E4	NON-CORE	Interpret plumbing and valve drawings
E4	NON-CORE	Interpret technical manuals
E4	CORE	Operate General Purpose Test Equipment (GPTE)
E4	CORE	Operate Special Purpose Test Equipment (SPTE)
E4	CORE	Perform basic soldering on electrical and electronic equipment
E4	CORE	Perform Combat Systems Operational Sequencing System (CSOSS) procedures for casualty operations
E4	CORE	Perform Combat Systems Operational Sequencing System (CSOSS) procedures for casualty response
E4	CORE	Perform Combat Systems Operational Sequencing System (CSOSS) procedures for normal operations
E4	CORE	Perform Combat Systems Operational Sequencing System (CSOSS) procedures to energize/de-energize equipment
E4	CORE	Perform corrosion prevention and control procedures
E4	CORE	Perform digital logic numeric conversions
E4	CORE	Perform preventive maintenance on interconnecting cables and connectors
E4	CORE	Perform six step troubleshooting techniques
E4	CORE	Repair interconnecting cables and connectors
E4	CORE	Repair valves
E4	CORE	Test fiber optic cables and connectors
E4	CORE	Test interconnecting cables and connectors
E4	CORE	Test valves
E4	CORE	Troubleshoot Alternating Current (AC) circuits
E4	CORE	Troubleshoot Alternating Current and Direct Current (AC/DC) motors
E4	CORE	Troubleshoot digital circuits
E4	CORE	Troubleshoot Direct Current (DC) circuits
E4	CORE	Troubleshoot electromechanical (synchro/servo) systems
E4	CORE	Troubleshoot fiber optic cables and connectors
E4	CORE	Troubleshoot hydraulic systems
E4	CORE	Troubleshoot interconnecting cables and connectors

E4	CORE	Troubleshoot pneumatic air systems
E4	CORE	Troubleshoot power supplies
E4	CORE	Troubleshoot valve systems

### **WEAPONS SYSTEMS**

<b><u>Paygrade</u></b>	<b><u>Task Type</u></b>	<b><u>Task Statements</u></b>
E4	CORE	Build torpedo flight accessories
E4	CORE	Download gun weapons systems
E4	CORE	Fire gun weapons systems
E4	CORE	Off-load missile delivery systems
E4	CORE	On-load missile delivery systems
E4	CORE	Operate computers and peripheral equipment
E4	CORE	Operate gun weapons systems
E4	CORE	Operate missile delivery systems
E4	NON-CORE	Perform preventive maintenance on computer and peripheral equipment
E4	CORE	Perform preventive maintenance on gun weapons systems
E4	CORE	Perform preventive maintenance on missile delivery systems
E4	CORE	Perform preventive maintenance on torpedo delivery systems
E4	CORE	Perform preventive maintenance on torpedoes
E4	CORE	Perform torpedo pre-fire tests
E4	CORE	Prepare Recoverable Exercise Torpedo (REXTORP)/ Exercise Torpedo (EXTORP) for launching
E4	CORE	Prepare torpedo for loading into delivery systems
E4	NON-CORE	Repair computer and peripheral equipment
E4	CORE	Repair gun weapons systems
E4	CORE	Repair missile delivery systems
E4	CORE	Repair torpedo delivery systems
E5	CORE	Supervise gun weapons systems operations
E5	CORE	Supervise gun weapons systems uploading and downloading
E5	CORE	Supervise missile delivery systems loading and unloading
E5	CORE	Supervise recovery of Recoverable Exercise Torpedo (REXTORP) / Exercise Torpedo (EXTORP)
E5	CORE	Supervise torpedo delivery systems loading and unloading
E4	CORE	Test computer and peripheral equipment
E4	CORE	Test gun weapons systems
E4	CORE	Test missile delivery systems
E4	CORE	Test torpedo delivery systems
E4	CORE	Troubleshoot computer and peripheral equipment
E4	CORE	Troubleshoot gun weapons systems

E4	CORE	Troubleshoot missile delivery systems
E4	CORE	Troubleshoot torpedo delivery systems
E4	CORE	Un-load torpedo delivery systems
E4	CORE	Upload gun weapons systems
E4	CORE	Upload torpedo delivery systems

**Job Title**

**Small Arms Technician**

**Job Code**

**003732**

**Job Family**

Installation, Maintenance, and Repair

**NOC**

TBD

**Short Title (30 Characters)**

SMALL ARMS TECHNICIAN

**Short Title (10 Characters)**

SM ARM TEC

**Pay Plan**

Enlisted

**Career Field**

GM

**Other Relationships and Rules**

0812 (if assigned as Primary NEC)

**Job Description**

Small Arms Technicians operate a wide variety of weapons and equipment, to include: 9mm, 12gauge, M14, M16, 50caliber, and 40mm to 25mm small arms; operate and maintain magazine flooding and sprinkler systems; operate and maintain night optical Devices; conduct mechanical, electrical, and electronic casualty analysis using technical publications, circuit diagrams and blueprints; train gun crews and manage operations for the armory, ordnance, magazine, and lockers associated with these weapons.

**DoD Relationship**

**Group Title**

Artillery and Gunnery

**DoD Code**

104100

**O\*NET Relationship**

**Occupation Title**

Electrical and Electronics Repairers, Commercial and Industrial Equipment

**SOC Code**

49-2094.00

**Job Family**

Installation, Maintenance, and Repair

**Skills**

Equipment Selection

Equipment Maintenance

Management of Material Resources

Monitoring

Operation and Control

Operation Monitoring

Complex Problem Solving

Coordination

Judgment and Decision Making

Instructing

**Abilities**

Manual Dexterity

Deductive Reasoning

Finger Dexterity

Oral Expression

Problem Sensitivity

Auditory Attention

Inductive Reasoning

Selective Attention

Information Ordering

Multi-limb Coordination

**AUXILIARY EQUIPMENT AND SUPPORT SYSTEMS**

**Paygrade**

**Task Type**

**Task Statements**

E4	CORE	Operate vision enhancement equipment
E4	CORE	Perform internal communications (verbal communications, sound-powered phone, and Internal Voice Communication Systems (IVCS))
E4	CORE	Perform preventive maintenance on Ships Reaction Force (SRF) equipment
E4	CORE	Perform preventive maintenance on vision enhancement equipment
E4	CORE	Test vision enhancement equipment
E4	CORE	Troubleshoot vision enhancement equipment

**CREW-SERVED WEAPONS AND SMALL ARMS**

**Paygrade**

**Task Type**

**Task Statements**

E5	CORE	Conduct crew-served weapons training
E5	CORE	Conduct pyrotechnics training
E5	CORE	Conduct small arms training
E4	CORE	Deploy crew-served weapons
E4	CORE	Inventory small arms
E4	CORE	Maintain crew-served weapons

E4	CORE	Maintain crew-served weapons mounts and stands
E5	CORE	Manage small arms qualifications
E5	CORE	Monitor crew-served weapons operations
E4	CORE	Operate crew-served weapons
E4	CORE	Operate pyrotechnics
E4	CORE	Operate small arms
E4	CORE	Perform preventive maintenance on small arms
E5	CORE	Qualify personnel in the use of crew-served weapons
E5	CORE	Qualify personnel in the use of small arms
E4	CORE	Repair crew-served weapons
E4	CORE	Repair small arms
E4	CORE	Troubleshoot crew-served weapons
E4	CORE	Troubleshoot small arms

#### **EQUIPMENT ADMINISTRATION**

<b><u>Paygrade</u></b>	<b><u>Task Type</u></b>	<b><u>Task Statements</u></b>
E4	CORE	Inspect work areas, tools, and electronic systems equipment
E4	CORE	Inventory controlled equipment
E4	CORE	Issue Arms, Ammunition, and Explosives (AA&E) assets
E5	CORE	Maintain ordnance management systems databases
E5	CORE	Monitor contractor installations
E4	CORE	Receive custody of Arms, Ammunition, and Explosive (AA&E) assets
E5	NON-CORE	Review technical briefs, notices, and bulletins

#### **ORDNANCE EVOLUTIONS AND MAGAZINE SYSTEMS**

<b><u>Paygrade</u></b>	<b><u>Task Type</u></b>	<b><u>Task Statements</u></b>
E4	CORE	Inspect ordnance containers
E4	CORE	Inspect ordnance magazines and lockers
E4	CORE	Operate magazine equipment
E4	CORE	Operate magazine sprinkler systems
E4	CORE	Pack ordnance
E5	CORE	Perform ordnance inspections
E4	CORE	Perform preventive maintenance on magazine equipment
E4	CORE	Perform preventive maintenance on magazine sprinkler systems
E4	CORE	Perform preventive maintenance on ordnance containers
E4	CORE	Perform preventive maintenance on ordnance magazines and lockers
E4	CORE	Prepare ordnance
E4	CORE	Repair magazine equipment

E4	CORE	Repair magazine sprinkler systems
E4	CORE	Stow ordnance
E5	CORE	Supervise magazine and locker inspections
E5	CORE	Supervise ordnance handling evolutions
E5	CORE	Supervise ordnance inspections
E5	CORE	Supervise ordnance stowage operations
E5	CORE	Transfer ordnance
E4	CORE	Transport ordnance
E4	CORE	Troubleshoot magazine equipment
E4	CORE	Troubleshoot magazine sprinkler systems
E4	CORE	Unpack ordnance

### **SECURITY OPERATIONS**

<b><u>Paygrade</u></b>	<b><u>Task Type</u></b>	<b><u>Task Statements</u></b>
E4	NON-CORE	Apply Rules of Engagement (ROE)
E5	CORE	Conduct guard mount
E4	CORE	Conduct security patrols (inspections and searches)
E4	CORE	Conduct security post turnover
E4	CORE	Conduct tactical entries and movements
E4	CORE	Establish security perimeters
E4	CORE	Inventory Ships Reaction Force (SRF) equipment
E4	CORE	Operate non-lethal weapons
E4	CORE	Operate screening and detection equipment
E4	CORE	Perform preventive maintenance on security gear and equipment
E4	NON-CORE	Verify identification credentials and documents