

CHAPTER 76



TORPEDOMAN'S MATE (TM)

NAVPERS 18068F-76I
Change 99

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NAVY ENLISTED OCCUPATIONAL STANDARD
FOR
TORPEDOMAN'S MATE (TM)



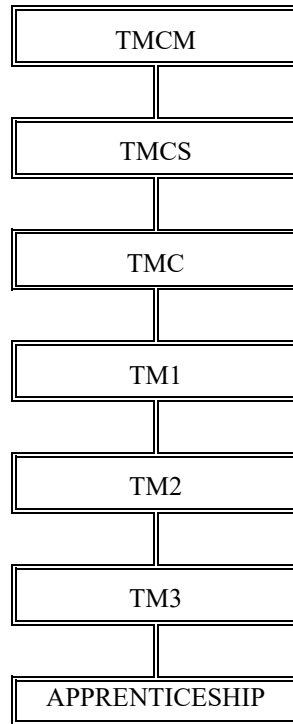
SCOPE OF RATING

Torpedoman's Mate (TM) perform organizational and intermediate level maintenance on test equipment, launching/firing systems, and stowage facilities associated with underwater ordnance, to include hydraulic systems, air systems, and seawater systems associated with launching/firing systems; perform organizational maintenance on underwater ordnance, small arms, and ammunition; prepare underwater ordnance for launching to include conducting pre-launch and post-launch routines; and perform operations and organizational maintenance on submarine anchoring systems

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 76.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer 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**Tactical Weapons Operator****Job Code****001537****Job Family**

Military Specific

NOC

TBD

Short Title (30 Characters)

TACTICAL WEAPONS OPERATOR

Short Title (14 Characters)

TACT WEP OPER

Pay Plan

Enlisted

Career Field

TM

Other Relationships and Rules

NEC QXXX and 7XXX series and other NECs as assigned

Job Description

Tactical Weapons Operators perform operations and basic-level maintenance of submarine anchor systems, Arms, Ammunition, and Explosives (AA&E), weapons shipping and handling systems, submarine-launched mines, missiles, and torpedoes, weapons delivery systems, Vertical Launch Systems (VLS)/Virginia Payload Tubes (VPT), Virginia Payload Modules (VPM), and countermeasure systems; participate in weapons handling evolutions; support the processing and attack of targets; provide munitions to weapon systems and security for operational forces; and repair and maintain weapons systems and equipment.

DoD Relationship**Group Title**

Torpedo Repair

DoD Code

112300

O*NET Relationship**Occupation Title**

Military Enlisted Tactical Operations and Air/Weapons Specialists and Crew Members, All Others

SOC Code

55-3019.00

Job Family

Military Specific

Skills

Operation and Control
 Operation Monitoring
 Equipment Maintenance
 Management of Material Resources
 Reading Comprehension
 Quality Control Analysis
 Active Listening
 Repairing
 Systems Evaluation
 Writing

Abilities

Written Comprehension
 Problem Sensitivity
 Manual Dexterity
 Multi-limb Coordination
 Finger Dexterity
 Control Precision
 Oral Comprehension
 Written Expression
 Near Vision
 Selective Attention

ARMS, AMMUNITION, AND EXPLOSIVES (AA&E)

Paygrade	Task Type	Task Statements
E4	CORE	Inspect Arms, Ammunition, and Explosives (AA&E)
E4	CORE	Inventory Arms, Ammunition, and Explosives (AA&E)
E4	CORE	Maintain magazines and lockers
E4	CORE	Maintain security force equipment
E4	CORE	Maintain small arms and crew-served weapons
E4	CORE	Perform ammunition and countermeasure transfers
E4	CORE	Test Arms, Ammunition, and Explosives (AA&E)

DAMAGE CONTROL

Paygrade	Task Type	Task Statements
E4	CORE	Combat torpedo room casualties
E4	CORE	Combat weapons casualties

EXTERNAL LAUNCH SYSTEM MAINTENANCE AND OPERATIONS

Paygrade	Task Type	Task Statements
E4	CORE	Employ Vertical Launch Systems (VLS)/Virginia Payload Tube (VPT)/Virginia Payload Modules (VPM)
E4	CORE	Maintain Vertical Launch Systems (VLS)/Virginia Payload Tube VPT)/Virginia Payload Modules (VPM)

EXTERNAL LAUNCH SYSTEM MAINTENANCE AND OPERATIONS (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E6	CORE	Repair Vertical Launch Systems (VLS)/Virginia Payload Tube (VPT)/Virginia Payload Modules (VPM)

ORDNANCE MAINTENANCE AND OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Conduct receipt or transfer inspections
E4	CORE	Control operations of general purpose electronic test equipment (GPETE)
E4	CORE	Handle submarine ordnance
E4	CORE	Launch submarine ordnance
E4	CORE	Maintain submarine launched ordnance
E4	CORE	Test torpedoes
E4	CORE	Test Vertical Launch System (VLS)/Virginia Payload Tube (VPT) tomahawk cruise missiles/Virginia Payload Modules (VPM)

QUALITY ASSURANCE

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Perform Quality Assurance (QA) testing

SIGNAL EJECTOR SYSTEM MAINTENANCE AND OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Adjust countermeasure launcher systems
E4	NON-CORE	Control operations of internal auxiliary launcher in all modes
E4	CORE	Control operations of internal countermeasure launcher in all modes
E4	CORE	Maintain countermeasure launcher systems
E4	CORE	Repair countermeasure launcher systems
E4	CORE	Test countermeasure launcher systems

SUPPORT SYSTEMS MAINTENANCE AND OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Control operations of air system components
E4	CORE	Control operations of anchor system components
E4	CORE	Control operations of hydraulic system components
E4	CORE	Control operations of manually controlled valves
E4	CORE	Control operations of weapons monitoring equipment
E4	CORE	Inspect seals, gaskets, and O-rings
E5	CORE	Inspect tanks and voids
E4	CORE	Maintain air system components
E4	CORE	Maintain anchor systems
E4	CORE	Maintain hydraulic system components
E4	CORE	Maintain shipboard valves
E4	CORE	Repair air system components
E4	CORE	Repair anchor systems
E4	CORE	Repair hydraulic system components
E4	CORE	Repair shipboard valves

SUPPORT SYSTEMS MAINTENANCE AND OPERATIONS (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Replace seals, gaskets, and O-rings

TECHNICAL ADMINISTRATION

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	CORE	Maintain Arms, Ammunition, and Explosives (AA&E) records
E4	CORE	Maintain torpedo and missile record books
E4	CORE	Maintain weight test and calibration records

TORPEDO TUBE SYSTEM MAINTENANCE AND OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Control operations of nitrogen systems
E4	CORE	Employ weapons delivery systems
E4	CORE	Maintain weapons delivery systems
E4	CORE	Repair weapons delivery systems

WEAPONS HANDLING / SHIPPING SYSTEMS MAINTENANCE AND OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Adjust weapons handling systems
E4	CORE	Adjust weapons shipping systems
E4	CORE	Clean weapons handling systems
E4	CORE	Clean weapons shipping systems
E4	CORE	Employ weapons handling systems
E4	CORE	Employ weapons shipping systems
E4	CORE	Maintain weapons handling systems
E4	CORE	Maintain weapons shipping systems
E4	CORE	Perform rigging operations
E4	CORE	Perform weapons delivery system evolutions
E4	CORE	Perform weapons handling evolutions
E4	CORE	Perform weapons shipping evolutions
E4	CORE	Repair weapons handling systems
E4	CORE	Repair weapons shipping systems

Job Title**Tactical Weapons Manager****Job Code****001542****Job Family**

Production

NOC

TBD

Short Title (30 Characters)

TACTICAL WEAPONS MANAGER

Short Title (14 Characters)

TACT WEP MGR

Pay Plan

Enlisted

Career Field

TM

Other Relationships and Rules

NEC QXXX and 7XXX series and other NECs as assigned

Job Description

Tactical Weapons Managers manage the operations of submarine anchor systems, Arms, Ammunition, and Explosives (AA&E), weapons shipping and handling systems, submarine-launched mines, missiles, and torpedoes, weapons delivery systems, Vertical Launch Systems (VLS)/Virginia Payload Tubes (VPT), Virginia Payload Modules (VPM), and countermeasure systems; supervise the employment of weapons systems and weapons handling evolutions; coordinate communications; and oversee divisional and departmental operations, maintenance, and training.

DoD RelationshipGroup Title

Torpedo Repair

DoD Code

112300

O*NET RelationshipOccupation TitleFirst-Line Supervisors of
Production and Operating WorkersSOC Code

51-1011.00

Job Family

Production

Skills*Management of Personnel Resources**Coordination**Management of Material Resources**Monitoring**Reading Comprehension**Operation and Control**Quality Control Analysis**Complex Problem Solving**Instructing**Writing***Abilities***Problem Sensitivity**Written Comprehension**Information Ordering**Selective Attention**Inductive Reasoning**Oral Expression**Visualization**Time Sharing**Speech Clarity**Written Expression***ARMS, AMMUNITION, AND EXPLOSIVES (AA&E)****Paygrade**

E4

Task Type

CORE

Task Statements

Conduct force protection training

E5

NON-CORE

Conduct small arms qualifications

E6

CORE

Manage ammunition and countermeasure transfers

DAMAGE CONTROL**Paygrade**

E6

Task Type

CORE

Task Statements

Direct torpedo room casualty procedures

E5

CORE

Direct weapons casualty procedures

E6

CORE

Manage weapons casualty procedures

EXTERNAL LAUNCH SYSTEM MAINTENANCE AND OPERATIONS**Paygrade**

E6

Task Type

CORE

Task Statements

Conduct Vertical Launch System (VLS)/Virginia Payload Tube (VPT) /Virginia Payload Modules (VPM) evolutions

E7

CORE

Supervise Vertical Launch System (VLS)/Virginia Payload Tube VPT)/Virginia Payload Modules (VPM) operations

QUALITY ASSURANCE**Paygrade**

E6

Task Type

CORE

Task Statements

Audit Quality Assurance (QA) packages

E4

CORE

Create Quality Assurance (QA) packages

E6

CORE

Supervise Quality Assurance (QA) testing

QUALITY ASSURANCE (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E7	CORE	Verify Quality Assurance (QA) packages

SUPPORT SYSTEMS MAINTENANCE AND OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Direct weapons monitoring equipment operations

TECHNICAL ADMINISTRATION

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E7	NON-CORE	Audit Antiterrorism/Force Protection (AT/FP) security plans
E7	CORE	Audit Arms, Ammunition, and Explosives (AA&E) records
E7	CORE	Audit ordnance certification records
E7	NON-CORE	Audit ship's Antiterrorism/Force Protection (AT/FP) preplanned responses
E6	CORE	Audit torpedo and missile record books
E6	CORE	Audit weight test and calibration records
E6	CORE	Coordinate departmental maintenance
E5	CORE	Coordinate divisional maintenance
E7	CORE	Coordinate equipment alterations and modifications
E7	NON-CORE	Develop ship's Antiterrorism/Force Protection (AT/FP) preplanned responses
E7	CORE	Maintain ordnance handling certification records
E7	CORE	Validate Arms, Ammunition, and Explosives (AA&E) records
E5	CORE	Verify weight test and calibration records

TORPEDO TUBE SYSTEM MAINTENANCE AND OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E6	CORE	Conduct weapons delivery systems evolutions
E7	CORE	Supervise weapons delivery system operations

WEAPONS HANDLING / SHIPPING SYSTEMS MAINTENANCE AND OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	CORE	Direct rigging operations
E5	CORE	Direct weapons handling operations
E5	CORE	Direct weapons shipping operations
E6	CORE	Supervise rigging operations
E6	CORE	Supervise weapons handling operations
E7	CORE	Supervise weapons shipping operations

Job Title**Tactical Weapons Technician****Job Code****001547****Job Family**

Installation, Maintenance, and Repair

NOC

TBD

Short Title (30 Characters)

TACTICAL WEAPONS TECHNICIAN

Short Title (14 Characters)

TACT WEP TECH

Pay Plan

Enlisted

Career Field

TM

Other Relationships and Rules

NEC QXXX and 7XXX series and other NECs as assigned

Job Description

Tactical Weapons Technicians perform organizational maintenance, intermediate maintenance, and advanced systems operations of submarine anchor systems, Arms, Ammunition, and Explosives (AA&E), weapons shipping and handling systems, submarine-launched mines, missiles, and torpedoes, weapons delivery systems, Vertical Launch Systems (VLS)/Virginia Payload Tubes (VPT), Virginia Payload Modules (VPM), and countermeasure systems; supervise divisional operations, maintenance, and training; supervise and participate in weapons handling evolutions; support the processing and attack of targets; provide munitions to weapon systems and security for operational forces; and repair and maintain weapons systems and equipment.

DoD Relationship**Group Title**

Torpedo Repair

DoD Code

112300

O*NET Relationship**Occupation Title**

Control and Valve Installers and Repairers, Except Mechanical Door

SOC Code

49-9012.00

Job Family

Installation, Maintenance, and Repair

Skills*Operation and Control**Operation Monitoring**Equipment Maintenance**Management of Material Resources**Reading Comprehension**Management of Personnel Resources**Coordination**Quality Control Analysis**Active Listening**Repairing***Abilities***Written Comprehension**Problem Sensitivity**Manual Dexterity**Multi-limb Coordination**Finger Dexterity**Information Ordering**Control Precision**Oral Comprehension**Selective Attention**Oral Expression***ARMS, AMMUNITION, AND EXPLOSIVES (AA&E)****Paygrade****Task Type****Task Statements**

E4

CORE

Conduct force protection training

E5

NON-CORE

Conduct small arms qualifications

E4

CORE

Inspect Arms, Ammunition, and Explosives (AA&E)

E4

CORE

Inventory Arms, Ammunition, and Explosives (AA&E)

E4

CORE

Maintain magazines and lockers

E4

CORE

Maintain security force equipment

E4

CORE

Maintain small arms and crew-served weapons

E6

CORE

Manage ammunition and countermeasure transfers

E4

CORE

Perform ammunition and countermeasure transfers

E4

CORE

Test Arms, Ammunition, and Explosives (AA&E)

DAMAGE CONTROL**Paygrade****Task Type****Task Statements**

E4

CORE

Combat torpedo room casualties

E4

CORE

Combat weapons casualties

E5

CORE

Direct weapons casualty procedures

EXTERNAL LAUNCH SYSTEM MAINTENANCE AND OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E6	CORE	Conduct Vertical Launch System (VLS)/Virginia Payload Tube (VPT) /Virginia Payload Modules (VPM) evolutions
E4	CORE	Employ Vertical Launch Systems (VLS)/Virginia Payload Tube (VPT)/Virginia Payload Modules (VPM)
E4	CORE	Maintain Vertical Launch Systems (VLS)/Virginia Payload Tube VPT)/Virginia Payload Modules (VPM)
E6	CORE	Repair Vertical Launch Systems (VLS)/Virginia Payload Tube (VPT)/Virginia Payload Modules (VPM)

ORDNANCE MAINTENANCE AND OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Conduct receipt or transfer inspections
E4	CORE	Control operations of general purpose electronic test equipment (GPETE)
E4	CORE	Handle submarine ordnance
E4	CORE	Launch submarine ordnance
E4	CORE	Maintain submarine launched ordnance
E4	CORE	Test torpedoes
E4	CORE	Test Vertical Launch System (VLS)/Virginia Payload Tube (VPT) tomahawk cruise missiles/Virginia Payload Modules (VPM)

QUALITY ASSURANCE

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Create Quality Assurance (QA) packages
E4	CORE	Perform Quality Assurance (QA) testing

SIGNAL EJECTOR SYSTEM MAINTENANCE AND OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Adjust countermeasure launcher systems
E4	NON-CORE	Control operations of internal auxiliary launcher in all modes
E4	CORE	Control operations of internal countermeasure launcher in all modes
E4	CORE	Maintain countermeasure launcher systems
E4	CORE	Repair countermeasure launcher systems
E4	CORE	Test countermeasure launcher systems

SUPPORT SYSTEMS MAINTENANCE AND OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Control operations of air system components
E4	CORE	Control operations of anchor system components
E4	CORE	Control operations of hydraulic system components
E4	CORE	Control operations of manually controlled valves
E4	CORE	Control operations of weapons monitoring equipment
E4	CORE	Coordinate tube draining operations
E4	CORE	Direct weapons monitoring equipment operations
E4	CORE	Inspect seals, gaskets, and O-rings
E5	CORE	Inspect tanks and voids

SUPPORT SYSTEMS MAINTENANCE AND OPERATIONS (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Maintain air system components
E4	CORE	Maintain anchor systems
E4	CORE	Maintain hydraulic system components
E4	CORE	Maintain shipboard valves
E4	CORE	Repair air system components
E4	CORE	Repair anchor systems
E4	CORE	Repair hydraulic system components
E4	CORE	Repair shipboard valves
E4	CORE	Replace seals, gaskets, and O-rings

TECHNICAL ADMINISTRATION

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E6	CORE	Audit torpedo and missile record books
E5	CORE	Coordinate divisional maintenance
E5	CORE	Maintain Arms, Ammunition, and Explosives (AA&E) records
E4	CORE	Maintain torpedo and missile record books
E4	CORE	Maintain weight test and calibration records
E5	CORE	Verify weight test and calibration records

TORPEDO TUBE SYSTEM MAINTENANCE AND OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Repair weapons delivery systems
E6	CORE	Conduct weapons delivery systems evolutions
E4	CORE	Control operations of nitrogen systems
E4	CORE	Employ weapons delivery systems
E4	CORE	Maintain weapons delivery systems

WEAPONS HANDLING / SHIPPING SYSTEMS MAINTENANCE AND OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Adjust weapons handling systems
E4	CORE	Adjust weapons shipping systems
E4	CORE	Clean weapons handling systems
E4	CORE	Clean weapons shipping systems
E5	CORE	Direct rigging operations
E5	CORE	Direct weapons handling operations
E5	CORE	Direct weapons shipping operations
E4	CORE	Employ weapons handling systems
E4	CORE	Employ weapons shipping systems
E4	CORE	Maintain weapons handling systems
E4	CORE	Maintain weapons shipping systems
E4	CORE	Perform rigging operations
E4	CORE	Perform weapons delivery system evolutions

WEAPONS HANDLING / SHIPPING SYSTEMS MAINTENANCE AND OPERATIONS (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Perform weapons handling evolutions
E4	CORE	Perform weapons shipping evolutions
E4	CORE	Repair weapons handling systems
E4	CORE	Repair weapons shipping systems
E6	CORE	Supervise rigging operations
E6	CORE	Supervise weapons handling operations