

# CHAPTER 37



## FIRE CONTROL TECHNICIAN (FT)

NAVPERS 18068F-37F  
Change 83

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TABLE OF CONTENTS  
FIRE CONTROL TECHNICIAN (FT)

<b>SCOPE OF RATING</b>	FT-3
<b>GENERAL INFORMATION</b>	FT-4
<b>COMBAT CONTROL SYSTEMS OPERATOR</b>	FT-5
COMBAT CONTROL SYSTEM MAINTENANCE	FT-5
COMBAT CONTROL SYSTEM OPERATIONS AND EMPLOYMENT	FT-5
CONTACT MANAGEMENT	FT-6
INFORMATION SYSTEMS	FT-6
SUBMARINE-LAUNCHED WEAPONS EMPLOYMENT	FT-6
SUBMARINE-LAUNCHED WEAPONS HANDLING	FT-6
WEAPONS LAUNCH EQUIPMENT MAINTENANCE	FT-6
<b>COMBAT CONTROL SYSTEMS TECHNICIAN</b>	FT-7
COMBAT CONTROL SYSTEM MAINTENANCE	FT-7
COMBAT CONTROL SYSTEM OPERATIONS AND EMPLOYMENT	FT-7
INFORMATION SYSTEMS	FT-8
SUBMARINE-LAUNCHED WEAPONS EMPLOYMENT	FT-8
SUBMARINE-LAUNCHED WEAPONS HANDLING	FT-8
WEAPONS LAUNCH EQUIPMENT MAINTENANCE	FT-8
<b>COMBAT CONTROL SYSTEMS MANAGER</b>	FT-9
COMBAT CONTROL SYSTEM MAINTENANCE	FT-9
COMBAT CONTROL SYSTEM OPERATIONS AND EMPLOYMENT	FT-9
CONTACT MANAGEMENT	FT-9
INFORMATION SYSTEMS	FT-9
SUBMARINE-LAUNCHED WEAPONS EMPLOYMENT	FT-10
SUBMARINE-LAUNCHED WEAPONS HANDLING	FT-10
WEAPONS LAUNCH EQUIPMENT MAINTENANCE	FT-10

NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

FIRE CONTROL TECHNICIAN (FT)



SCOPE OF RATING

Fire Control Technicians (FT) perform organizational and intermediate level maintenance on submarine combat control systems equipment; operate submarine combat control systems; test submarine combat control systems; operate and maintain combat control systems associated systems; participate in weapons handling functions; and operate and maintain non-tactical computer systems and peripherals.

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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 37.



**Job Title**

**Combat Control Systems Operator**

**Job Code**

**001232**

**Job Family**

Military Specific

**NOC**

TBD

**Short Title (30 Characters)**

COMBAT CONTROL SYSTEMS OP

**Short Title (14 Characters)**

CMBT CTRL OPER

**Pay Plan**

Enlisted

**Career Field**

FT

**Other Relationships and Rules**

NEC TXXX series and other NECs as assigned

**Job Description**

Combat control systems operators perform operations and basic preventive level maintenance on complex electronic, electrical, and mechanical submarine combat control equipment and associated systems; operate Submarine Warfare Federated Tactical System (SWFTS) systems and peripherals; and participate in weapons handling functions.

**DoD Relationship**

**Group Title**

Missile Guidance and Control

**DoD Code**

112100

**O\*NET Relationship**

**Occupation Title**

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

**SOC Code**

55-3019.00

**Job Family**

Military Specific

**Skills**

*Operation and Control  
Complex Problem Solving  
Equipment Maintenance  
Equipment Selection  
Technology Design  
Critical Thinking  
Judgment and Decision Making  
Quality Control Analysis  
Systems Analysis  
Troubleshooting*

**Abilities**

*Problem Sensitivity  
Inductive Reasoning  
Deductive Reasoning  
Information Ordering  
Extent Flexibility  
Finger Dexterity  
Written Comprehension  
Mathematical Reasoning  
Response Orientation  
Control Precision*

**COMBAT CONTROL SYSTEM MAINTENANCE**

**Paygrade**

E4

**Task Type**

CORE

**Task Statements**

Adjust Combat Control Systems (CCS)

E4

CORE

Maintain Combat Control Systems (CCS)

E4

CORE

Maintain Combat Control Systems (CCS) software

**COMBAT CONTROL SYSTEM OPERATIONS AND EMPLOYMENT**

**Paygrade**

E4

**Task Type**

CORE

**Task Statements**

Employ Combat Control Systems (CCS)

E4

CORE

Initialize Combat Control Systems (CCS)

E4

CORE

Maintain countermeasure systems

E4

CORE

Operate Global Command and Control System-Maritime (GCCS-M)

E4

NON-CORE

Operate sound silencing monitoring equipment

E4

CORE

Verify operation of combat control recording equipment

### CONTACT MANAGEMENT

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Analyze real-time oceanographic data
E4	CORE	Calculate contact geometries
E4	CORE	Correlate contacts across all ship sensors
E4	CORE	Develop contact solutions
E4	CORE	Employ Combat Control Systems (CCS) algorithms
E4	CORE	Interpret threat characteristics
E4	CORE	Manage Over-the-Horizon Targeting (OTH-T) data for contact management
E4	CORE	Manage plots (i.e., fusion/GEO, time frequency, time range, etc.)
E4	CORE	Perform required contact reports

### INFORMATION SYSTEMS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Inventory removable media
E4	CORE	Maintain Information Assurance (IA) components
E4	CORE	Operate Information Assurance (IA) systems
E4	CORE	Report Information Assurance (IA) incidents

### SUBMARINE-LAUNCHED WEAPONS EMPLOYMENT

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Combat submarine weapons casualties
E5	CORE	Compute torpedo presets
E4	NON-CORE	Conduct submarine-launched mine operations
E4	CORE	Conduct submarine-launched missile operations
E4	CORE	Conduct submarine-launched torpedo operations
E4	CORE	Operate weapons delivery systems
E4	CORE	Perform weapons emergency procedures

### SUBMARINE-LAUNCHED WEAPONS HANDLING

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Perform weapons handling operations
E4	CORE	Test weapons handling systems

### WEAPONS LAUNCH EQUIPMENT MAINTENANCE

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Conduct submarine-launched countermeasure operations
E4	CORE	Maintain three inch launcher systems
E4	CORE	Maintain weapons handling systems
E4	CORE	Maintain weapons launch equipment
E4	CORE	Test countermeasure systems
E4	CORE	Test weapons launch equipment

**Job Title**

**Combat Control Systems Technician**

**Job Code**

**001237**

**Job Family**

Installation, Maintenance, and Repair

**NOC**

TBD

**Short Title (30 Characters)**

COMBAT CONTROL SYSTEMS TEC

**Short Title (14 Characters)**

CMBT CTRL TECH

**Pay Plan**

Enlisted

**Career Field**

FT

**Other Relationships and Rules**

NEC TXXX series and other NECs as assigned

**Job Description**

Combat control systems technicians perform advanced combat control system operations as well as apply advanced level maintenance practices to locate and correct malfunctions that are beyond organizational diagnostic routines on complex electronic, electrical, and mechanical submarine combat control equipment and multiple system interfaces; maintain Submarine Warfare Federated Tactical System (SWFTS) systems and peripherals; supervise operations, maintenance, and training for personnel within the combat control system division; and participate and/or lead in weapons handling functions.

**DoD Relationship**

**Group Title**

Missile Guidance and Control

**DoD Code**

112100

**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**

*Troubleshooting*

*Equipment Maintenance*

*Operation and Control*

*Repairing*

*Equipment Selection*

*Management of Material Resources*

*Quality Control Analysis*

*Installation*

*Complex Problem Solving*

*Coordination*

**Abilities**

*Problem Sensitivity*

*Deductive Reasoning*

*Inductive Reasoning*

*Finger Dexterity*

*Written Comprehension*

*Control Precision*

*Extent Flexibility*

*Information Ordering*

**COMBAT CONTROL SYSTEM MAINTENANCE**

**Paygrade**

E4

**Task Type**

CORE

**Task Statements**

Adjust Combat Control Systems (CCS)

E6

CORE

Coordinate Combat Control System (CCS) maintenance

E4

CORE

Maintain Combat Control Systems (CCS)

E4

CORE

Maintain Combat Control Systems (CCS) software

E5

CORE

Repair Combat Control Systems (CCS)

E5

CORE

Troubleshoot Combat Control Systems (CCS)

**COMBAT CONTROL SYSTEM OPERATIONS AND EMPLOYMENT**

**Paygrade**

E4

**Task Type**

CORE

**Task Statements**

Employ Combat Control Systems (CCS)

E4

CORE

Initialize Combat Control Systems (CCS)

E4

CORE

Maintain countermeasure systems

## **INFORMATION SYSTEMS**

<b><u>Paygrade</u></b>	<b><u>Task Type</u></b>	<b><u>Task Statements</u></b>
E5	CORE	Audit Information Assurance (IA) systems
E5	CORE	Conduct Information Assurance (IA) posture shift operations
E5	CORE	Configure Information Assurance (IA) software
E5	CORE	Configure Information Assurance (IA) systems
E6	CORE	Coordinate Information Assurance (IA) systems maintenance
E4	CORE	Install network components
E5	CORE	Repair Information Assurance (IA) systems
E4	CORE	Report Information Assurance (IA) incidents
E5	CORE	Troubleshoot Information Assurance (IA) systems

## **SUBMARINE-LAUNCHED WEAPONS HANDLING**

<b><u>Paygrade</u></b>	<b><u>Task Type</u></b>	<b><u>Task Statements</u></b>
E5	CORE	Repair weapons handling systems
E5	CORE	Troubleshoot weapons handling systems

## **WEAPONS LAUNCH EQUIPMENT MAINTENANCE**

<b><u>Paygrade</u></b>	<b><u>Task Type</u></b>	<b><u>Task Statements</u></b>
E4	CORE	Adjust countermeasure systems
E4	CORE	Adjust weapons handling systems
E4	CORE	Adjust weapons launch equipment
E6	CORE	Coordinate Weapons Launch Equipment (WLE) maintenance
E4	CORE	Maintain three inch launcher systems
E4	CORE	Maintain weapons handling systems
E4	CORE	Maintain weapons launch equipment
E5	CORE	Repair countermeasure systems
E5	CORE	Repair weapons launch equipment
E4	CORE	Test countermeasure systems
E4	CORE	Test weapons launch equipment
E5	CORE	Troubleshoot countermeasure systems
E5	CORE	Troubleshoot weapons launch equipment

**Job Title**

**Combat Control Systems Manager**

**Job Code**

**001242**

**Job Family**

Military Specific

**NOC**

TBD

**Short Title (30 Characters)**

COMBAT CONTROL SYSTEMS MGR

**Short Title (14 Characters)**

CMBT CTRL MGR

**Pay Plan**

Enlisted

**Career Field**

FT

**Other Relationships and Rules**

NEC TXXX series and other NECs as assigned

**Job Description**

Combat Control Systems Managers manage Combat Systems division and department-level operations, maintenance, and training and supervise weapons employment and handling functions.

**DoD Relationship**

**O\*NET Relationship**

Group Title

Missile Guidance and Control

DoD Code

112100

Occupation Title

First-Line Supervisors of All Other  
Tactical Operations Specialists

SOC Code

55-2013.00

Job Family

Military Specific

**Skills**

Management of Personnel Resources

Monitoring

Operation and Control

Coordination

Management of Material Resources

Quality Control Analysis

Judgment and Decision Making

Complex Problem Solving

Equipment Maintenance

Equipment Selection

**Abilities**

Problem Sensitivity

Oral Expression

Inductive Reasoning

Category Flexibility

Deductive Reasoning

Information Ordering

Written Comprehension

Finger Dexterity

Memorization

Oral Comprehension

**COMBAT CONTROL SYSTEM MAINTENANCE**

**Paygrade**

**Task Type**

**Task Statements**

E6

CORE

Coordinate Combat Control System (CCS) maintenance

E7

CORE

Coordinate Combat Control Systems (CCS) equipment modifications

E6

CORE

Manage Combat Control System (CCS) operational logs

**COMBAT CONTROL SYSTEM OPERATIONS AND EMPLOYMENT**

**Paygrade**

**Task Type**

**Task Statements**

E4

CORE

Employ Combat Control Systems (CCS)

E7

CORE

Manage data collection systems

**CONTACT MANAGEMENT**

**Paygrade**

**Task Type**

**Task Statements**

E7

CORE

Manage contact management teams

**INFORMATION SYSTEMS**

**Paygrade**

**Task Type**

**Task Statements**

E7

CORE

Coordinate Information Assurance (IA) system posture transitions

E6

CORE

Coordinate Information Assurance (IA) systems maintenance

E7

CORE

Establish network system profiles and credentials

E7

CORE

Implement Information Assurance (IA) policies

E7

CORE

Implement security requirements for fire control systems and spaces

E7

CORE

Manage Information Assurance (IA) records

E7

CORE

Manage Information Assurance (IA) systems

E4

CORE

Report Information Assurance (IA) incidents

**SUBMARINE-LAUNCHED WEAPONS EMPLOYMENT**

<b><u>Paygrade</u></b>	<b><u>Task Type</u></b>	<b><u>Task Statements</u></b>
E7	NON-CORE	Manage submarine-launched mine operations
E7	CORE	Manage submarine-launched missile operations
E7	CORE	Manage submarine-launched torpedo operations
E7	CORE	Supervise weapons emergency procedures

**SUBMARINE-LAUNCHED WEAPONS HANDLING**

<b><u>Paygrade</u></b>	<b><u>Task Type</u></b>	<b><u>Task Statements</u></b>
E6	CORE	Direct weapons handling operations
E7	CORE	Review torpedo and missile record books
E7	NON-CORE	Supervise ammunition and countermeasure transfers
E7	CORE	Supervise weapons handling operations

**WEAPONS LAUNCH EQUIPMENT MAINTENANCE**

<b><u>Paygrade</u></b>	<b><u>Task Type</u></b>	<b><u>Task Statements</u></b>
E6	CORE	Coordinate Weapons Launch Equipment (WLE) maintenance