

# CHAPTER 21



## DAMAGE CONTROLMAN (DC)

NAVPERS 18068F-21E  
Change 81

Updated: January 2020

TABLE OF CONTENTS  
DAMAGE CONTROLMAN (DC)

<b>SCOPE OF RATING</b>	DC-3
<b>GENERAL INFORMATION</b>	DC-4
<b>SHIP SURVIVABILITY SYSTEMS MAINTAINER</b>	DC-5
CHEMICAL, BIOLOGICAL, RADIOLOGICAL, AND NUCLEAR EXPLOSIVE (CBRNE) DEFENSE	DC-5
DAMAGE CONTROL	DC-5
EQUIPMENT MAINTENANCE	DC-6
SHIPBOARD DAMAGE CONTROL TRAINING	DC-7
TECHNICAL ADMINISTRATION	DC-8
<b>SHIP SURVIVABILITY SYSTEMS TECHNICIAN</b>	DC-9
CHEMICAL, BIOLOGICAL, RADIOLOGICAL, AND NUCLEAR EXPLOSIVE (CBRNE) DEFENSE	DC-9
DAMAGE CONTROL	DC-10
EQUIPMENT MAINTENANCE	DC-10
SHIPBOARD DAMAGE CONTROL TRAINING	DC-10
TECHNICAL ADMINISTRATION	DC-11

NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

DAMAGE CONTROLMAN (DC)



SCOPE OF RATING

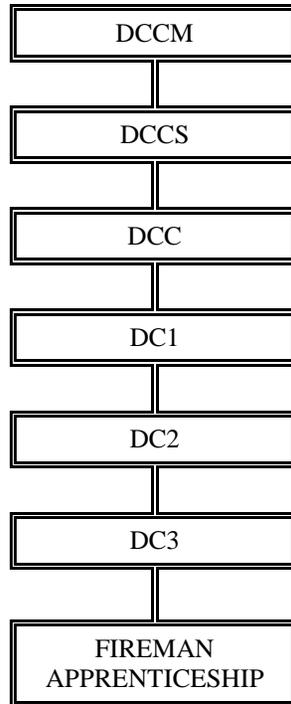
Damage Controlmen (DC) perform organizational and intermediate level maintenance and repair of damage control equipment and systems; plan, supervise, and perform tasks necessary for damage control, ship stability, preservation of watertight integrity, fire fighting, and Chemical, Biological, Radiological, and Nuclear Explosive (CBRNE) defense; instruct and coordinate damage control parties; instruct personnel in the techniques of damage control and CBRNE defense; and prepare records and reports.

---

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 21.

## 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**

**Ship Survivability Systems Maintainer**

**Job Code**

**003002**

**Job Family**  
Management

**NOC**  
TBD

**Short Title (30 Characters)**  
SHIP SURVIVAL SYS MAINTAINER

**Short Title (14 Characters)**  
SHIP SURV MNT

**Pay Plan**  
Enlisted

**Career Field**  
DC

**Other Relationships and Rules**  
NEC UXXX series or other NECs as assigned

**Job Description**

Ship Survivability Systems Maintainers do the work necessary for damage control, ship stability, firefighting, fire prevention, and Chemical, Biological, Radiological, and Nuclear Explosive (CBRNE) defense; instruct personnel in the methods of damage control and CBRNE defense and repair damage control equipment and systems; operate, repair, and maintain installed firefighting systems and equipment, damage control equipment, and CBRNE defense equipment; train shipboard personnel in the operation, maintenance, and repair of damage control systems and equipment, life saving devices, and various firefighting methods; perform emergency repairs to decks, structures, pipes, and hulls by using emergency patching, plugging, and shoring; maintain and repair watertight closures and assorted fittings; and act as the ships Fire Marshal and firefighting leaders and train ship's company in chemical, biological and radiological defense. Maintainers work under the supervision of a mentor while learning a trade or skill.

**DoD Relationship**

**O\*NET Relationship**

<u>Group Title</u>	<u>DoD Code</u>	<u>Occupation Title</u>	<u>SOC Code</u>	<u>Job Family</u>
Firefighting and Damage Control	149500	Emergency Management Directors	11-9161.00	Management

**Skills**

- Equipment Maintenance*
- Systems Evaluation*
- Judgment and Decision Making*
- Operation Monitoring*
- Operation and Control*
- Monitoring*
- Writing*
- Complex Problem Solving*
- Equipment Selection*
- Management of Material Resources*

**Abilities**

- Problem Sensitivity*
- Manual Dexterity*
- Deductive Reasoning*
- Multi-limb Coordination*
- Information Ordering*
- Written Comprehension*
- Written Expression*
- Oral Expression*
- Speech Clarity*
- Finger Dexterity*

**CHEMICAL, BIOLOGICAL, RADIOLOGICAL, AND NUCLEAR EXPLOSIVE (CBRNE) DEFENSE**

<b><u>Paygrade</u></b>	<b><u>Task Type</u></b>	<b><u>Task Statements</u></b>
E4	CORE	Decontaminate ship
E4	CORE	Establish Contamination Control Areas (CCA)
E4	CORE	Establish Decontamination (DECON) stations
E4	CORE	Inspect chemical protective equipment
E4	CORE	Issue chemical protection equipment
E5	CORE	Repair Joint Biological Point Detection System (JBPDS) system components
E4	CORE	Test Decontamination (DECON) showers

**DAMAGE CONTROL**

<b><u>Paygrade</u></b>	<b><u>Task Type</u></b>	<b><u>Task Statements</u></b>
E4	CORE	Activate Aqueous Film Forming Foam (AFFF) stations
E4	CORE	Activate Damage Control Console (DCC) ventilation systems
E4	CORE	Actuate fire main valves from Damage Control Console (DCC)
E4	CORE	Actuate fire pumps from Damage Control Console (DCC)
E4	CORE	Actuate halon systems
E4	CORE	Dewater spaces using installed eductors

### DAMAGE CONTROL (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Inspect Damage Control (DC) communication systems
E4	CORE	Inspect tanks and voids
E4	CORE	Install emergency pipe patches
E4	CORE	Install hull patches
E6	CORE	Maintain ships stability
E4	CORE	Monitor Supplied-Air Respirator/Self-Contained Breathing Apparatus (SAR/SCBA) pressure gauges
E4	CORE	Perform emergency access actions
E4	CORE	Take soundings (e.g., compartments, tanks, voids, etc.)

### EQUIPMENT MAINTENANCE

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Charge Self-Contained Breathing Apparatus (SCBA) bottles using the High Pressure Breathing Air Compressor (HPBAC)
E4	CORE	Conduct preventive maintenance on balance joiner doors
E4	CORE	Conduct preventive maintenance on ballast control systems
E4	CORE	Conduct preventive maintenance on installed eductor systems
E4	CORE	Conduct preventive maintenance on Self-Contained Breathing Apparatus (SCBA) charging stations (i.e., High Pressure Breathing Air Compressors (HPBAC), High Pressure Filter Assembly (HFPA)/Air Booster Pump Assembly (ABPA), Breathing Air Recirculation System)
E4	CORE	Maintain Aqueous Film Forming Foam (AFFF) systems
E4	CORE	Maintain Aqueous Potassium Carbonate (APC) systems
E4	CORE	Maintain aviation firefighting equipment
E4	CORE	Maintain battle lanterns
E4	CORE	Maintain Collective Protective Systems (CPS)
E4	CORE	Maintain Damage Control (DC) helmet lights
E4	CORE	Maintain Damage Control Repair Station (DCRS) equipment
E4	CORE	Maintain electrical submersible pumps
E4	CORE	Maintain Emergency Escape Breathing Devices (EEBD)
E4	CORE	Maintain emergency overboard discharge connections
E4	CORE	Maintain fan unit cooling coils
E4	CORE	Maintain Fire Fighting Ensembles (FFE)
E4	CORE	Maintain fire hoses
E4	CORE	Maintain fire main systems
E4	CORE	Maintain fire stations
E4	CORE	Maintain fluid strainers
E4	CORE	Maintain freshwater firefighting systems
E4	CORE	Maintain fume tight doors
E4	CORE	Maintain gas masks
E4	CORE	Maintain halon systems

## **EQUIPMENT MAINTENANCE (CONT'D)**

<b><u>Paygrade</u></b>	<b><u>Task Type</u></b>	<b><u>Task Statements</u></b>
E4	CORE	Maintain inflatable life vests
E4	CORE	Maintain installed Carbon Dioxide (CO2) systems
E4	CORE	Maintain ladder components
E4	CORE	Maintain Manual Valve Hydraulic Control (MVHC) stations
E4	CORE	Maintain Naval Firefighter's Thermal Imagers (NFTI)
E4	CORE	Maintain portable Aqueous Film Forming Foam (AFFF) equipment
E4	CORE	Maintain portable Carbon Dioxide (CO2) fire extinguishers
E4	CORE	Maintain portable eductors
E4	CORE	Maintain portable electric de-smoking fans
E4	CORE	Maintain portable emergency access equipment
E4	CORE	Maintain portable emergency pumps
E4	CORE	Maintain Portable Exothermic Cutting Units (PECU)
E4	CORE	Maintain portable smoke generators
E4	CORE	Maintain portable water driven blowers
E4	CORE	Maintain Potassium Bicarbonate (PKP) bottles
E4	CORE	Maintain pre-heater and re-heater coils
E4	CORE	Maintain Self-Contained Breathing Apparatus (SCBA) equipment
E4	CORE	Maintain sprinkler systems
E4	CORE	Maintain Supplied-Air Respirator/Self-Contained Breathing Apparatus (SAR/SCBA)
E4	CORE	Maintain variable nozzles
E4	CORE	Maintain ventilation ducting
E4	CORE	Maintain ventilation filters
E4	CORE	Maintain ventilation weather openings
E4	CORE	Maintain water wash down systems
E4	CORE	Maintain watertight and ballistic doors, hatches, and scuttles
E4	CORE	Repair balance joiner door components
E5	CORE	Repair ballast control systems
E4	CORE	Repair installed educator systems
E5	CORE	Repair Self-Contained Breathing Apparatus (SCBA) charging stations (i.e., High Pressure Breathing Air Compressors (HPBAC), High Pressure Filter Assembly (HFPFA)/Air Booster Pump Assembly (ABPA), Breathing Air Recirculation System/Breathing Air Charging Systems (BARS/BACS))
E5	CORE	Repair watermist systems
E4	CORE	Troubleshoot ballast control systems
E4	CORE	Troubleshoot installed educator systems

## **SHIPBOARD DAMAGE CONTROL TRAINING**

<b><u>Paygrade</u></b>	<b><u>Task Type</u></b>	<b><u>Task Statements</u></b>
E4	CORE	Conduct installed/portable Damage Control (DC) equipment training
E4	CORE	Conduct protective clothing training

**TECHNICAL ADMINISTRATION**

<b><u>Paygrade</u></b>	<b><u>Task Type</u></b>	<b><u>Task Statements</u></b>
E4	CORE	Calculate daily draft reports
E4	CORE	Review Hazardous Material (HAZMAT) inventories
E4	CORE	Review Hazardous Material User Guides (HMUG)
E4	CORE	Review Material Safety Data Sheets (MSDS)
E5	CORE	Update Casualty Control Station (CCS) logs
E5	CORE	Update closure logs
E4	CORE	Update Damage Control Console (DCC) logs

**Job Title****Ship Survivability Systems Technician****Job Code****003021****Job Family**

Protective Service

**NOC**

TBD

**Short Title (30 Characters)**

SHIP SURVIVAL SYS TECHNICIAN

**Short Title (14 Characters)**

SHIP SURV TECH

**Pay Plan**

Enlisted

**Career Field**

DC

**Other Relationships and Rules**

NECs U46A, 756B or other NECs as assigned

**Job Description**

Ship Survivability Systems Technicians do the work necessary for damage control, ship stability, firefighting, fire prevention, and Chemical, Biological, Radiological, and Nuclear Explosive (CBRNE) defense; instruct personnel in the methods of damage control and CBRNE defense and repair damage control equipment and systems; operate, repair, and troubleshoot installed firefighting systems and equipment, damage control equipment, and CBRNE defense equipment; train shipboard personnel in the operation, maintenance, and repair of damage control systems and equipment, life saving devices, and various firefighting methods; perform emergency repairs to decks, structures, pipes, and hulls by using emergency patching, plugging, and shoring; maintain and repair watertight closures and assorted fittings; and act as the ships Fire Marshal and firefighting leaders and train ship's company in chemical, biological and radiological defense. Technicians are expected to work independently and mentor Ship Survivability Systems Maintainer(s) with very limited supervision.

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

Firefighting and Damage Control

**DoD Code**

149500

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

First-Line Supervisors of Fire Fighting and Prevention Workers

**SOC Code**

33-1021.00

**Job Family**

Protective Service

**Skills***Complex Problem Solving**Critical Thinking**Writing**Systems Evaluation**Monitoring**Operation and Control**Operation Monitoring**Equipment Maintenance**Learning Strategies**Mathematics***Abilities***Manual Dexterity**Multi-limb Coordination**Problem Sensitivity**Written Expression**Information Ordering**Written Comprehension**Deductive Reasoning**Mathematical Reasoning**Number Facility**Oral Expression***CHEMICAL, BIOLOGICAL, RADIOLOGICAL, AND NUCLEAR EXPLOSIVE (CBRNE) DEFENSE****Paygrade**

E4

**Task Type**

CORE

**Task Statements**

Collect biological agents

E4

CORE

Conduct preventive maintenance on Improved Point Detection System (IPDS)

E4

CORE

Conduct preventive maintenance on Joint Biological Point Detection System (JBPDS)

E5

CORE

Detect Alpha, Beta, Gamma radiation

E4

CORE

Detect chemical agents

E4

CORE

Inventory consumable chemical and biological items (e.g., Biological Response Kit (BRK), Hand Held Assembly (HHA), Decontamination Station Equipment (DSE), etc.)

E4

CORE

Issue chemical protection equipment

E4

CORE

Monitor installed chemical and biological systems for air contamination

E4

CORE

Set Mission Oriented Protective Posture (MOPP) levels

E5

CORE

Supervise Mission Oriented Protective Posture (MOPP) settings

E4

CORE

Troubleshoot Joint Biological Point Detection System (JBPDS)

E7

CORE

Verify Mission Oriented Protective Posture (MOPP) levels

## **DAMAGE CONTROL**

<b><u>Paygrade</u></b>	<b><u>Task Type</u></b>	<b><u>Task Statements</u></b>
E4	CORE	Activate Carbon Dioxide (CO2) fixed flooding
E4	CORE	Actuate watermist systems
E5	CORE	Ballast ship
E6	CORE	Calculate effects of damage on ship's stability and buoyancy
E7	CORE	Calculate stability curves
E7	CORE	Compute effects of emergency repair on ship's stability
E5	CORE	Conduct air quality tests
E4	CORE	Conduct heat stress surveys
E7	CORE	Coordinate ballast and de-ballast evolutions
E5	CORE	Coordinate casualty scene response (e.g., flooding, ruptured pipes, toxic gas, etc.)
E5	CORE	Coordinate firefighting scene for class A, B, C, and D fires
E5	CORE	Deballast ship
E4	CORE	Inspect tanks and voids
E4	CORE	Monitor Supplied-Air Respirator/Self-Contained Breathing Apparatus (SAR/SCBA) pressure gauges
E6	CORE	Plot stability curves
E4	CORE	Supervise casualty response team (e.g., flooding, ruptured pipes, toxic gas, etc.)
E4	CORE	Supervise firefighting team for class A, B, C, and D fires
E4	CORE	Test atmosphere for hazardous materials

## **EQUIPMENT MAINTENANCE**

<b><u>Paygrade</u></b>	<b><u>Task Type</u></b>	<b><u>Task Statements</u></b>
E4	CORE	Activate Aqueous Potassium Carbonate (APC) system
E4	CORE	Conduct preventive maintenance on watermist systems
E6	CORE	Maintain Damage Control (DC) directives
E4	CORE	Maintain gas-free engineering test equipment
E5	CORE	Perform casualty response actions
E4	CORE	Troubleshoot balance joiner doors
E4	CORE	Troubleshoot Self-Contained Breathing Apparatus (SCBA) charging stations (i.e., High Pressure Breathing Air Compressors (HPBAC), High Pressure Filter Assembly (HFPA)/Air Booster Pump Assembly (ABPA), Breathing Air Recirculation System/Breathing Air Charging Systems (BARS/BACS))
E4	CORE	Troubleshoot watermist systems

## **SHIPBOARD DAMAGE CONTROL TRAINING**

<b><u>Paygrade</u></b>	<b><u>Task Type</u></b>	<b><u>Task Statements</u></b>
E5	CORE	Conduct casualty control team training
E5	CORE	Conduct crash and salvage training
E4	CORE	Conduct installed/portable Damage Control (DC) equipment training
E4	CORE	Conduct protective clothing training
E5	CORE	Evaluate Damage Control (DC) training drills

**TECHNICAL ADMINISTRATION**

<b><u>Paygrade</u></b>	<b><u>Task Type</u></b>	<b><u>Task Statements</u></b>
E6	CORE	Administer Damage Control (DC) training programs
E7	CORE	Approve Quality Assurance (QA) repair forms
E4	CORE	Calculate daily draft reports
E5	CORE	Draft Quality Assurance (QA) repair forms
E4	CORE	Prepare for training cycle inspections
E6	CORE	Review heat stress logs
E6	CORE	Review Quality Assurance (QA) repair forms
E7	CORE	Update battle bills
E6	CORE	Update Damage Control (DC) records
E7	CORE	Update darken ship bills
E5	CORE	Update master Compartment Check Off Lists (CCOL)
E6	CORE	Update master Damage Control (DC) books
E6	CORE	Update Quality Assurance (QA) repair forms
E7	CORE	Update rescue and assistance bills
E7	CORE	Update toxic gas bills
E4	CORE	Verify accuracy of master Damage Control (DC) book