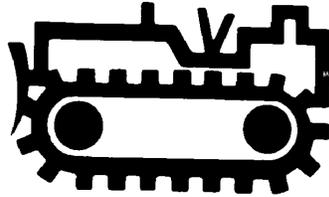


# CHAPTER 31



## EQUIPMENT OPERATOR (EO)

NAVPERS 18068-31E  
**CH-65**

Updated: January 2016

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NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

EQUIPMENT OPERATOR (EO)



SCOPE OF RATING

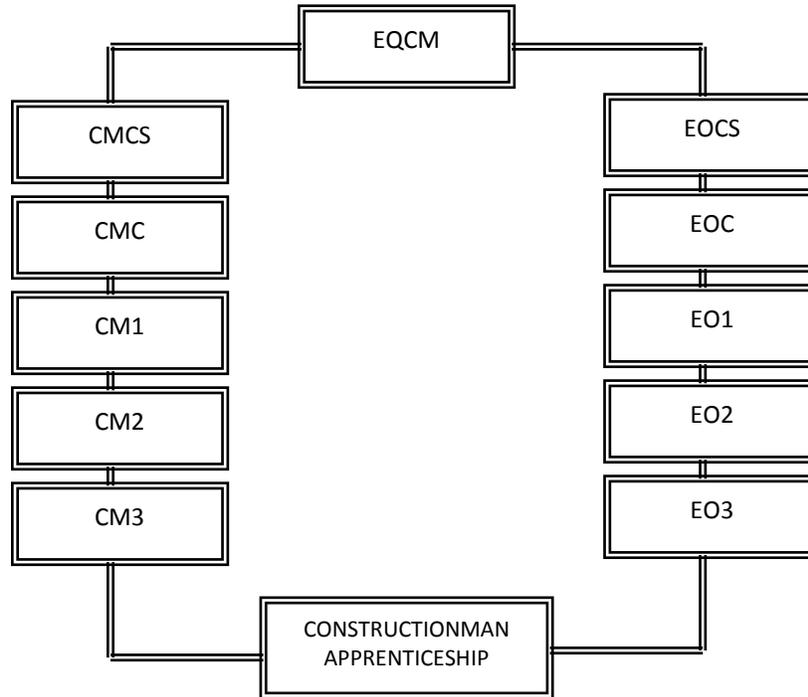
Equipment Operators (EO) perform tasks involving deployment, operation, and maintenance of automotive, materials handling, weight handling, and construction equipment; direct and coordinate efforts of individuals and crews in execution of construction, earth-moving, road building, quarry operations, water well operations, asphalt paving, mineral products operations, and soil stabilization; maintain administrative requirements for mobile and stationary equipment;; maintain individual combat readiness; and perform tasks required in combat and disaster preparedness and recovery operations.

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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) as Chapter 31.

## 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****Equipment Operator****Job Code****001165****Job Family**

Construction and Extraction

**NOC**

TBD

**Short Title (30 Characters)**

EQUIPMENT OPERATOR

**Short Title (14 Characters)**

EQUIP OPERATOR

**Pay Plan**

Enlisted

**Career Field**

EO

**Other Relationships and Rules**

NEC's 5328, 5501, 5633, 5707, 5708, 5710, 5712, 5915, 5931, 5932, 5933, 6021, 9920.

**Job Description**

Equipment Operators perform tasks involving deployment, operation, and maintenance of automotive, materials handling, weight handling, and construction equipment; direct and coordinate efforts of individuals and crews in execution of construction, earth moving, road-building, blasting and quarry operations, water well operations, asphalt paving, mineral products operations, and soil stabilization; maintain administrative requirements for mobile and stationary equipment; maintain individual combat readiness; and perform tasks required in combat and disaster preparedness and recovery operations. As project managers, they plan, staff, direct, and control multiple construction projects and act as project supervisors and trainers for junior personnel.

**DoD Relationship***Group Title*Construction Equipment  
Operation*DoD Code*

171300

**O\*NET Relationship***Occupation Title*Operating Engineers and Other  
Construction Equipment Operators*SOC Code*

47-2073.00

*Job Family*

Construction and Extraction

**Skills***Operation and Control**Operation Monitoring**Critical Thinking**Judgment and Decision Making**Coordination**Equipment Selection**Management of Personnel Resources**Complex Problem Solving**Management of Material Resources**Equipment Maintenance***Abilities***Control Precision**Information Ordering**Deductive Reasoning**Oral Expression**Problem Sensitivity**Manual Dexterity**Oral Comprehension**Depth Perception**Inductive Reasoning**Fluency of Ideas***CONSTRUCTION MANAGEMENT****Paygrade****Task Type****Task Statements**

E6

CORE

Conduct three-phase quality control inspections

E4

CORE

Develop construction activity estimates

E5

CORE

Develop construction environmental protection plans

E5

CORE

Develop construction project packages

E5

CORE

Develop construction safety plans

E4

CORE

Develop construction sketches and diagrams

E5

CORE

Develop project three-phase quality control plans

E5

CORE

Establish construction site layouts

E4

CORE

Inspect construction materials

E6

CORE

Inspect construction projects

E4

NON-CORE

Interpret construction drawings and specifications

E4

CORE

Inventory project tools and materials

E5

CORE

Lead construction projects

E5

CORE

Maintain construction project resources

E5

CORE

Maintain facilities

E7	NON-CORE	Manage camp maintenance operations
E7	CORE	Manage construction environmental protection programs
E6	CORE	Manage construction project resources
E7	CORE	Manage construction projects
E7	CORE	Manage construction safety programs
E7	CORE	Manage facilities maintenance programs
E6	NON-CORE	Manage maintenance contracts
E7	CORE	Manage project quality control programs
E7	CORE	Manage three-phase quality control programs
E6	NON-CORE	Monitor construction project contracts
E5	CORE	Supervise construction project safety operations
E6	CORE	Supervise construction projects
E6	CORE	Supervise construction safety operations
E6	CORE	Supervise environmental protection programs
E6	CORE	Supervise facilities maintenance programs
E6	CORE	Supervise planning and estimating operations
E5	CORE	Supervise project three-phase quality control programs
E5	CORE	Turnover construction projects
E5	NON-CORE	Validate project surveys and elevation data

#### **EARTHWORK**

<b><u>Paygrade</u></b>	<b><u>Task Type</u></b>	<b><u>Task Statements</u></b>
E5	CORE	Classify soil types
E4	CORE	Compact materials
E4	CORE	Conduct site and elevation surveys
E6	CORE	Develop drainage plans
E4	CORE	Excavate materials
E4	CORE	Maintain earthwork equipment
E4	CORE	Move soil and earth materials
E4	CORE	Perform ditching operations
E4	CORE	Perform earthwork computations
E4	CORE	Perform grader operations
E4	CORE	Perform scraper operations
E4	CORE	Perform soil stabilization operations
E4	CORE	Perform trenching operations

#### **EQUIPMENT MANAGEMENT**

<b><u>Paygrade</u></b>	<b><u>Task Type</u></b>	<b><u>Task Statements</u></b>
E5	CORE	Dispatch equipment
E5	CORE	Manage collateral equipage
E6	CORE	Manage licensing programs
E7	CORE	Manage transportation operations

E5	CORE	Supervise equipment yard operations
E6	CORE	Supervise transportation operations

#### **MATERIAL HANDLING EQUIPMENT (MHE)**

<b><u>Paygrade</u></b>	<b><u>Task Type</u></b>	<b><u>Task Statements</u></b>
E4	CORE	Maintain Material Handling Equipment (MHE)
E6	CORE	Manage Material Handling Equipment (MHE) licensing programs
E5	CORE	Perform aircraft loading and unloading Material Handling Equipment (MHE) operations
E5	CORE	Perform explosive ordinance Material Handling Equipment (MHE) operations
E4	CORE	Perform extended boom Material Handling Equipment (MHE) operations
E4	CORE	Perform rough terrain Material Handling Equipment (MHE) operations
E4	CORE	Perform top loader Material Handling Equipment (MHE) operations
E4	CORE	Perform warehouse Material Handling Equipment (MHE) operations

#### **MINERAL PRODUCTS**

<b><u>Paygrade</u></b>	<b><u>Task Type</u></b>	<b><u>Task Statements</u></b>
E7	NON-CORE	Develop quarry plans
E7	NON-CORE	Manage blasting qualification/certification programs
E7	CORE	Manage mineral products operations
E7	CORE	Manage quarry operations
E5	CORE	Perform asphalt plant operations
E4	CORE	Perform asphalt reclamation operations
E5	NON-CORE	Perform blasting operations
E4	CORE	Perform concrete transit mixer operations
E4	CORE	Perform quarry operations
E5	CORE	Perform rock crushing plant operations
E4	CORE	Perform washing and screening plant operations

#### **PAVEMENTS**

<b><u>Paygrade</u></b>	<b><u>Task Type</u></b>	<b><u>Task Statements</u></b>
E4	CORE	Maintain asphalt paving equipment
E5	CORE	Perform alternate asphalt surfacing treatments (e.g. chip spreader, seal coats)
E4	CORE	Perform asphalt finishing operations
E5	CORE	Perform asphalt repair operations
E4	CORE	Perform paving operations
E4	CORE	Perform site preparations (e.g. base and sub-base)
E4	CORE	Perform surface preparations (e.g. prime and tack coats)
E4	CORE	Prepare asphalt equipment
E6	CORE	Supervise paving operations

### SEABEE COMMON CORE

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Apply combat life saving techniques
E4	CORE	Conduct Chemical, Biological, Radiological, and Nuclear Explosive (CBRNE) defensive operations
E4	CORE	Conduct convoy operations
E4	CORE	Conduct Disaster Recovery Operations (DRO)
E4	CORE	Conduct embarkation and debarkation operations
E6	NON-CORE	Conduct Maritime Prepositioning Force (MPF) operations
E4	CORE	Conduct personal protection and decontamination operations
E4	CORE	Employ Advance Base Functional Component (ABFC) systems
E4	CORE	Employ grenades, mines, and pyrotechnics
E4	CORE	Employ land survival techniques
E4	NON-CORE	Maintain crew-served weapons
E4	CORE	Maintain field communications equipment
E4	CORE	Maintain Personal Gear Issue (PGI)
E4	CORE	Maintain small arms
E4	NON-CORE	Operate crew-served weapons
E4	CORE	Operate field communications equipment
E4	CORE	Operate small arms
E4	CORE	Patrol assigned areas
E7	CORE	Perform command and control of a company
E4	CORE	Perform command and control of a fire team
E6	CORE	Perform command and control of a platoon
E5	CORE	Perform command and control of a squad
E7	NON-CORE	Plan convoy operations
E4	CORE	Repair damaged airfields
E4	CORE	Set tactical defenses
E7	NON-CORE	Supervise Airfield Damage Repair (ADR) operations

### TRANSPORTATION OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Conduct vehicle recovery operations
E4	CORE	Maintain transportation equipment
E4	CORE	Perform fueling operations
E4	CORE	Perform watering operations
E4	CORE	Transport equipment
E4	CORE	Transport materials
E4	CORE	Transport personnel

## UNDERWATER CONSTRUCTION

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	NON-CORE	Conduct oceanographic surveys
E5	NON-CORE	Maintain diving equipment
E5	NON-CORE	Maintain diving support equipment
E7	NON-CORE	Manage demolition operations
E7	NON-CORE	Manage diving emergency procedures
E7	NON-CORE	Manage diving equipment maintenance
E7	NON-CORE	Manage diving support equipment maintenance
E7	NON-CORE	Manage light salvage operations
E7	NON-CORE	Manage Maritime Prepositioning Force (MPF) pre-offload operations
E7	NON-CORE	Manage Naval Sea Systems Command (NAVSEA) system certification programs
E7	NON-CORE	Manage oceanographic surveys
E7	NON-CORE	Manage Offshore Petroleum Distribution System (OPDS) operations
E7	NON-CORE	Manage Remote Operated Vehicle (ROV) operations
E7	NON-CORE	Manage small craft operations
E7	NON-CORE	Manage underwater construction operations
E5	NON-CORE	Perform coxswain duties
E5	NON-CORE	Perform demolition operations
E5	NON-CORE	Perform diving emergency procedures
E5	NON-CORE	Perform diving operations
E5	NON-CORE	Perform light salvage operations
E5	NON-CORE	Perform Maritime Prepositioning Force (MPF) pre-offload operations
E5	NON-CORE	Perform Offshore Petroleum Distribution System (OPDS) operations
E5	NON-CORE	Perform Remote Operated Vehicle (ROV) operations
E5	NON-CORE	Perform small craft operations
E5	NON-CORE	Perform underwater construction operations
E6	NON-CORE	Supervise demolition operations
E6	NON-CORE	Supervise diving emergency procedures
E6	NON-CORE	Supervise diving equipment maintenance
E6	NON-CORE	Supervise diving operations
E6	NON-CORE	Supervise diving support equipment maintenance
E6	NON-CORE	Supervise light salvage operations
E6	NON-CORE	Supervise Maritime Prepositioning Force (MPF) pre-offload operations
E6	NON-CORE	Supervise Naval Sea Systems Command (NAVSEA) system certification programs
E6	NON-CORE	Supervise oceanographic surveys
E6	NON-CORE	Supervise Offshore Petroleum Distribution System (OPDS) operations

E6	NON-CORE	Supervise Remote Operated Vehicle (ROV) operations
E6	NON-CORE	Supervise small craft operations
E6	NON-CORE	Supervise underwater construction operations

#### **WATER WELL**

<b><u>Paygrade</u></b>	<b><u>Task Type</u></b>	<b><u>Task Statements</u></b>
E6	NON-CORE	Determine drilling methods
E4	NON-CORE	Maintain water well equipment
E5	NON-CORE	Perform water well development
E5	NON-CORE	Perform water well drilling
E5	NON-CORE	Perform well abandonment
E4	NON-CORE	Perform well site preparations
E5	NON-CORE	Repair wells
E7	NON-CORE	Select water well drilling sites
E7	NON-CORE	Submit water well closeout reports
E7	NON-CORE	Supervise water well drilling operations

#### **WEIGHT HANDLING EQUIPMENT (WHE)**

<b><u>Paygrade</u></b>	<b><u>Task Type</u></b>	<b><u>Task Statements</u></b>
E7	NON-CORE	Certify Weight Handling Equipment (WHE)
E4	CORE	Maintain Weight Handling Equipment (WHE)
E6	NON-CORE	Maintain Weight Handling Equipment (WHE) records
E6	NON-CORE	Manage Weight Handling Equipment (WHE) licensing programs
E5	NON-CORE	Perform clamshell operations
E5	NON-CORE	Perform crane load tests
E5	NON-CORE	Perform dragline operations
E4	CORE	Perform hook block operations
E5	NON-CORE	Perform pile driving operations
E4	CORE	Perform rigging operations
E4	NON-CORE	Perform specialized hook block operations (e.g. cargo handling, amphibious, shipboard)
E6	NON-CORE	Supervise crane crew operations
E7	CORE	Supervise crane load tests
E6	CORE	Supervise Weight Handling Equipment (WHE) maintenance