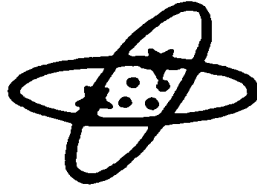


CHAPTER 32



ELECTRONICS TECHNICIAN

NAVPERS 18068F-32J
Change 92

Updated: October 2022

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NAVY ENLISTED OCCUPATIONAL STANDARD
FOR
ELECTRONICS TECHNICIAN, NUCLEAR POWER (ETN)



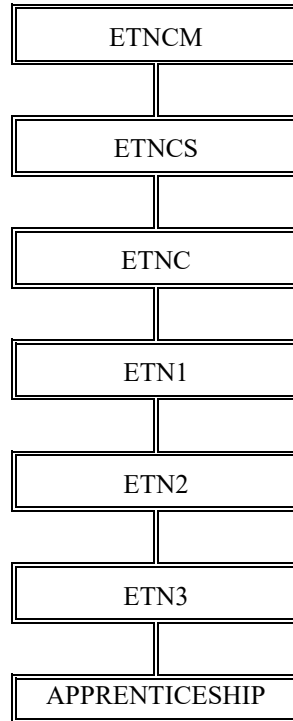
SCOPE OF RATING

Electronics Technicians, Nuclear Power (ETN) operate and maintain Naval Nuclear propulsion plants and associated equipment; supervise and administer Naval Nuclear propulsion plant operations; demonstrate knowledge of reactor, electrical, and mechanical theory involved in the operation of the nuclear reactor, steam plant, propulsion plant, and auxiliary equipment; demonstrate detailed knowledge of reactor and steam plant chemistry and radiological controls; operate and perform organizational and intermediate maintenance on electronic equipment used for propulsion plant control, instrumentation, measurement, alarm warning, power distribution, protection and airborne particulate radiation detection; operate General Purpose Test Equipment (GPTE) and auxiliary equipment; test, calibrate, maintain, and repair electronic and hydraulic-electric systems that support reactor plant operation on both submarines and surface ships.

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 32.

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**Submarine Reactor Control Operator****Job Code****003779****Job Family**

Production

NOC

TBD

Short Title (30 Characters)

SUB REACTOR CONTROLS OP

Short Title (14 Characters)

SS REAC CNT OP

Pay Plan

Enlisted

Career Field

ETN

Other Relationships and Rules

NEC NXXX, 7XXX series and other NECs as assigned

Job Description

Submarine Reactor Control Operators perform operations and basic preventive maintenance of electronic equipment used for reactor control, rod control, reactor protection and alarm systems, primary plant instrumentation, nuclear instrumentation, primary plant control, water level control, power electronics, and other electrical and electronic support equipment; demonstrate knowledge of reactor, electrical, and mechanical theory involved in the operation of nuclear reactors, steam plants, and auxiliary equipment; demonstrate detailed knowledge of chemistry and radiological controls associated with the nuclear reactor; supervise the shutdown reactor plant; perform critical work functions required to repair and maintain equipment; move Naval tactical forces; and work under the supervision of a mentor while learning their trade or skill.

DoD Relationship*Group Title*

Nuclear Power

DoD Code

166100

O*NET Relationship*Occupation Title*

Nuclear Power Reactor Operators

SOC Code

51-8011.00

Job Family

Production

Skills*Operation and Control**Operation Monitoring**Equipment Maintenance**Reading Comprehension**Systems Evaluation**Writing**Complex Problem Solving**Judgment and Decision Making**Management of Material Resources**Quality Control Analysis***Abilities***Written Comprehension**Problem Sensitivity**Finger Dexterity**Manual Dexterity**Deductive Reasoning**Information Ordering**Inductive Reasoning**Oral Expression**Memorization**Written Expression***ENGINEERING MANAGEMENT****Paygrade**

E4

Task Type

CORE

Task Statements

Perform lockout/tagout procedures

INSTRUMENTATION AND CONTROLS MAINTENANCE**Paygrade**

E4

Task Type

CORE

Task Statements

Maintain fiber optics

E4

NON-CORE

Maintain wire-free communication systems

E5

CORE

Perform control rod testing

E4

CORE

Perform preventive maintenance on air particulate detectors

E4

CORE

Perform preventive maintenance on data entry and display terminals

E4

CORE

Perform preventive maintenance on electrical and mechanical propulsion plant detectors and gauges

E4

CORE

Perform preventive maintenance on information technology network

E4

CORE

Perform preventive maintenance on instrumentation and control equipment (e.g., throttle controllers, circuit cards, resistive temperature detectors, pressure detectors, etc.)

E4

CORE

Perform preventive maintenance on nuclear instrumentation systems

E4

CORE

Perform preventive maintenance on power electronic systems

E4

CORE

Perform preventive maintenance on primary plant instrumentation systems

INSTRUMENTATION AND CONTROLS MAINTENANCE (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Perform preventive maintenance on propulsion plant control systems
E4	CORE	Perform preventive maintenance on reactor control systems
E4	CORE	Perform preventive maintenance on reactor protection systems
E4	CORE	Perform preventive maintenance on rod control systems
E4	CORE	Perform preventive maintenance on valve actuators
E4	NON-CORE	Perform preventive maintenance on voltage regulators
E4	CORE	Perform preventive maintenance on water level control systems
E4	CORE	Repair air particulate detectors
E4	CORE	Repair data entry and display terminals
E5	NON-CORE	Repair voltage regulators
E5	CORE	Troubleshoot air particulate detectors
E4	CORE	Troubleshoot data entry and display terminals
E5	NON-CORE	Troubleshoot voltage regulators

PROPULSION PLANT OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	NON-CORE	Adjust electric plant lineups at power
E4	CORE	Adjust electric plant lineups while shutdown
E4	NON-CORE	Align air compressors (e.g., start up, shut down, normal and casualty operations)
E4	CORE	Align air particulate detectors (e.g., start up and shut down)
E4	CORE	Align air systems associated with the propulsion plant
E4	CORE	Align backup methods of propulsion
E4	CORE	Align electrical and mechanical propulsion plant detectors and gauges (e.g., place on service, remove from service)
E4	CORE	Align emergency fill systems
E4	CORE	Align fresh water cooling systems (e.g., normal and casualty operations)
E4	CORE	Align instrumentation and control equipment (e.g., throttle controllers, circuit cards, resistive temperature detectors, pressure detectors, etc.)
E4	CORE	Align main steam systems (e.g., start up, shut down, normal and casualty operations)
E4	CORE	Align nuclear instrumentation systems (e.g., start up, shut down, normal and casualty operations)
E4	CORE	Align power electronic systems (e.g., start up, shut down, normal and casualty operations)
E4	CORE	Align primary plant instrumentation systems (e.g., start up, shut down, normal and casualty operations)
E4	CORE	Align propulsion plant control systems (e.g., start up, shut down, normal and casualty operations)
E4	CORE	Align reactor control systems

PROPULSION PLANT OPERATIONS (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Align reactor plant support systems (e.g., start up, shut down, normal and casualty operations)
E4	CORE	Align reactor protection systems (e.g., start up, shut down, normal and casualty operations)
E4	CORE	Align rod control system (e.g., start up, shut down, normal and casualty operations)
E4	CORE	Align shielding systems (casualty operations)
E4	NON-CORE	Align voltage regulators
E4	CORE	Align water level control systems (e.g., start up, shut down, normal and casualty operations)
E4	CORE	Analyze propulsion plant system and component parameters for trends
E4	CORE	Collect boiler water samples
E4	CORE	Complete valve and component lineups or checklists
E4	CORE	Conduct boiler water blowdowns
E4	CORE	Maintain propulsion plant system parameters using support systems (e.g., coolant charging, discharge, coolant purification, etc.)
E4	CORE	Perform critical reactor plant operations (e.g., start up, shut down, normal and casualty operations)
E4	CORE	Perform main engine throttle operations
E4	CORE	Perform shutdown reactor plant operations (e.g., normal and casualty operations)
E4	CORE	Prepare valve and component lineups or checklists

RADIOLOGICAL CONTROL

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Disestablish radiological controlled areas
E4	CORE	Establish radiological controlled areas
E4	CORE	Grant access to radiological controlled areas
E4	CORE	Maintain radiological controlled area records
E4	CORE	Perform radiological valve operations
E4	CORE	Survey radiological controlled areas

Job Title**Surface Reactor Control Operator****Job Code****003780****Job Family**

Production

NOC

TBD

Short Title (30 Characters)

SUR REACTOR CONTROLS OP

Short Title (14 Characters)

SW REAC CNT OP

Pay Plan

Enlisted

Career Field

ETN

Other Relationships and Rules

NEC NXXX, 7XXX series and other NECs as assigned

Job Description

Surface Reactor Control Operators perform operations and basic preventive maintenance of electronic equipment used for reactor control, rod control, reactor protection and alarm systems, primary plant instrumentation, nuclear instrumentation, primary plant control, water level control, power electronics, and other electrical and electronic support equipment; demonstrate knowledge of reactor, electrical, and mechanical theory involved in the operation of nuclear reactors, steam plants, and auxiliary equipment; demonstrate detailed knowledge of chemistry and radiological controls associated with the nuclear reactor; supervise the shutdown reactor plant; perform critical work functions required to repair and maintain equipment; move Naval tactical forces; and work under the supervision of a mentor while learning their trade or skill.

DoD RelationshipGroup Title

Nuclear Power

DoD Code

166100

O*NET RelationshipOccupation Title

Nuclear Power Reactor Operators

SOC Code

51-8011.00

Job Family

Production

Skills*Operation and Control**Equipment Maintenance**Operation Monitoring**Reading Comprehension**Systems Evaluation**Writing**Complex Problem Solving**Judgment and Decision Making**Management of Material Resources**Quality Control Analysis***Abilities***Written Comprehension**Problem Sensitivity**Finger Dexterity**Manual Dexterity**Deductive Reasoning**Inductive Reasoning**Information Ordering**Oral Expression**Selective Attention**Written Expression***ENGINEERING MANAGEMENT****Paygrade**

E4

Task Type

CORE

Task Statements

Perform lockout/tagout procedures

INSTRUMENTATION AND CONTROLS MAINTENANCE**Paygrade**

E4

Task Type

NON-CORE

Task Statements

Clean propulsion plant systems and components

E4

CORE

Maintain fiber optics

E4

NON-CORE

Maintain wire-free communication systems

E5

CORE

Perform control rod testing

E4

CORE

Perform preventive maintenance on air particulate detectors

E4

NON-CORE

Perform preventive maintenance on continuous chemical injection systems

E4

CORE

Perform preventive maintenance on data entry and display terminals

E4

CORE

Perform preventive maintenance on electrical and mechanical propulsion plant detectors and gauges

E5

NON-CORE

Perform preventive maintenance on emergency fill initiation systems

E4

CORE

Perform preventive maintenance on information technology network

E4

CORE

Perform preventive maintenance on instrumentation and control equipment (e.g., throttle controllers, circuit cards, resistive temperature detectors, pressure detectors, etc.)

INSTRUMENTATION AND CONTROLS MAINTENANCE (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Perform preventive maintenance on nuclear instrumentation systems
E4	CORE	Perform preventive maintenance on power electronic systems
E4	CORE	Perform preventive maintenance on primary plant instrumentation systems
E4	CORE	Perform preventive maintenance on propulsion plant control systems
E4	CORE	Perform preventive maintenance on pump noise monitor
E4	CORE	Perform preventive maintenance on reactor control systems
E4	CORE	Perform preventive maintenance on reactor protection systems
E4	CORE	Perform preventive maintenance on rod control systems
E4	CORE	Perform preventive maintenance on valve actuators
E4	CORE	Perform preventive maintenance on water level control systems
E4	CORE	Repair air particulate detectors
E4	NON-CORE	Repair continuous chemical injection systems
E4	CORE	Repair data entry and display terminals
E5	CORE	Troubleshoot air particulate detectors
E5	NON-CORE	Troubleshoot continuous chemical injection systems
E4	CORE	Troubleshoot data entry and display terminals

PROPULSION PLANT OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Align air particulate detectors (e.g., start up and shut down)
E4	CORE	Align electrical and mechanical propulsion plant detectors and gauges (e.g., place on service, remove from service)
E4	CORE	Align emergency fill systems
E4	CORE	Align instrumentation and control equipment (e.g., throttle controllers, circuit cards, resistive temperature detectors, pressure detectors, etc.)
E4	CORE	Align main steam systems (e.g., start up, shut down, normal and casualty operations)
E4	CORE	Align nuclear instrumentation systems (e.g., start up, shut down, normal and casualty operations)
E4	CORE	Align power electronic systems (e.g., start up, shut down, normal and casualty operations)
E4	CORE	Align primary plant instrumentation systems (e.g., start up, shut down, normal and casualty operations)
E4	CORE	Align propulsion plant control systems (e.g., start up, shut down, normal and casualty operations)
E4	CORE	Align reactor control systems
E4	CORE	Align reactor plant support systems (e.g., start up, shut down, normal and casualty operations)
E4	CORE	Align reactor protection systems (e.g., start up, shut down, normal and casualty operations)

PROPULSION PLANT OPERATIONS (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Align rod control system (e.g., start up, shut down, normal and casualty operations)
E4	CORE	Align water level control systems (e.g., start up, shut down, normal and casualty operations)
E4	CORE	Analyze propulsion plant system and component parameters for trends
E4	CORE	Complete valve and component lineups or checklists
E4	CORE	Maintain propulsion plant system parameters using support systems (e.g., coolant charging, discharge, coolant purification, etc.)
E4	CORE	Perform critical reactor plant operations (e.g., start up, shut down, normal and casualty operations)
E4	CORE	Perform main engine throttle operations
E4	CORE	Perform shutdown reactor plant operations (e.g., normal and casualty operations)
E4	CORE	Prepare valve and component lineups or checklists

RADIOLOGICAL CONTROL

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Disestablish radiological controlled areas
E4	CORE	Establish radiological controlled areas
E4	CORE	Grant access to radiological controlled areas
E4	CORE	Maintain radiological controlled area records
E4	CORE	Perform radiological valve operations
E4	CORE	Survey radiological controlled areas

Job Title**Submarine Reactor Control Supervisor****Job Code****003787****Job Family**

Production

NOC

TBD

Short Title (30 Characters)

SUB REACTOR CONTROLS SUP

Short Title (14 Characters)

SS REAC CNTSUP

Pay Plan

Enlisted

Career Field

ETN

Other Relationships and Rules

NEC NXXX, 7XXX series and other NECs as assigned

Job Description

Submarine Reactor Control Supervisors perform advanced reactor control operations and apply advanced level maintenance practices to reactor monitoring and control equipment; supervise operations, maintenance, and training for personnel assigned to the Reactor Control Division; review correspondence; perform audits of Reactor Control Division programs; perform critical work functions required to move Naval tactical forces; repair and maintain equipment; train forces and personnel; perform consequence management; work with little supervision; and serve as mentors to operators.

DoD RelationshipGroup Title

Nuclear Power

DoD Code

166100

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

51-1011.00

Job Family

Production

Skills*Complex Problem Solving**Troubleshooting**Management of Material Resources**Repairing**Reading Comprehension**Systems Analysis**Writing**Critical Thinking**Equipment Maintenance**Equipment Selection***Abilities***Written Comprehension**Deductive Reasoning**Inductive Reasoning**Finger Dexterity**Problem Sensitivity**Category Flexibility**Information Ordering**Number Facility**Written Expression***ENGINEERING MANAGEMENT****Paygrade**

E6

Task Type

CORE

Task Statements

Determine required retests following preventive maintenance or repairs

E5

NON-CORE

Develop technical work documents

E5

CORE

Verify valve and component lineups or checklists

INSTRUMENTATION AND CONTROLS MAINTENANCE**Paygrade**

E4

Task Type

NON-CORE

Task Statements

Clean propulsion plant systems and components

E5

CORE

Perform calorimetric calibrations

E5

CORE

Repair electrical and mechanical propulsion plant detectors and gauges

E5

NON-CORE

Repair information technology network

E5

CORE

Repair instrumentation and control equipment (e.g., throttle controllers, circuit cards, resistive temperature detectors, pressure detectors, etc.)

E5

CORE

Repair nuclear instrumentation systems

E5

CORE

Repair power electronic systems

E5

CORE

Repair primary plant instrumentation systems

E5

CORE

Repair propulsion plant control systems

E5

CORE

Repair reactor control systems

E5

CORE

Repair reactor protection systems

INSTRUMENTATION AND CONTROLS MAINTENANCE (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	CORE	Repair rod control system
E5	CORE	Repair valve actuators
E5	CORE	Repair water level control systems
E5	CORE	Troubleshoot electrical and mechanical propulsion plant detectors and gauges
E5	CORE	Troubleshoot fiber optic components
E5	NON-CORE	Troubleshoot information technology network
E5	CORE	Troubleshoot instrumentation and control equipment (e.g., throttle controllers, circuit cards, resistive temperature detectors, pressure detectors, etc.)
E5	CORE	Troubleshoot nuclear instrumentation systems
E5	CORE	Troubleshoot power electronic systems
E5	CORE	Troubleshoot primary plant instrumentation systems
E5	CORE	Troubleshoot propulsion plant control systems
E5	CORE	Troubleshoot reactor control systems
E5	CORE	Troubleshoot reactor protection systems
E5	CORE	Troubleshoot rod control system
E5	CORE	Troubleshoot valve actuators
E5	CORE	Troubleshoot water level control systems

PROPULSION PLANT OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	NON-CORE	Manage information technology network

RADIOLOGICAL CONTROL

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E6	CORE	Verify radiological controlled areas

Job Title**Surface Reactor Control Supervisor****Job Code****003788****Job Family**

Production

NOC

TBD

Short Title (30 Characters)

SUR REACTOR CONTROLS SUP

Short Title (14 Characters)

SW REAC CNTSUP

Pay Plan

Enlisted

Career Field

ETN

Other Relationships and Rules

NECs NXXX, 7XXX series and other NECs as assigned

Job Description

Surface Reactor Control Supervisors perform advanced reactor control operations and apply advanced level maintenance practices to reactor monitoring and control equipment; supervise operations, maintenance, and training for personnel assigned to the Reactor Control Division; review correspondence and perform audits of Reactor Control Division programs; perform the critical work functions required to move Naval tactical forces; repair and maintain equipment; train forces and personnel; perform consequence management; work with little supervision; and serve as mentors to operators.

DoD RelationshipGroup Title

Nuclear Power

DoD Code

166100

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

51-1011.00

Job Family

Production

Skills*Complex Problem Solving**Troubleshooting**Management of Material Resources**Repairing**Reading Comprehension**Writing**Critical Thinking**Equipment Maintenance**Judgment and Decision Making**Operation and Control***Abilities***Written Comprehension**Deductive Reasoning**Inductive Reasoning**Finger Dexterity**Problem Sensitivity**Category Flexibility**Information Ordering**Manual Dexterity**Number Facility**Written Expression***ENGINEERING MANAGEMENT****Paygrade**

E6

Task Type

CORE

Task Statements

Determine required retests following preventive maintenance or repairs

E5

NON-CORE

Develop technical work documents

E5

CORE

Verify valve and component lineups or checklists

INSTRUMENTATION AND CONTROLS MAINTENANCE**Paygrade**

E5

Task Type

CORE

Task Statements

Perform calorimetric calibrations

E5

CORE

Repair electrical and mechanical propulsion plant detectors and gauges

E5

NON-CORE

Repair emergency fill initiation systems

E5

NON-CORE

Repair information technology network

E5

CORE

Repair instrumentation and control equipment (e.g., throttle controllers, circuit cards, resistive temperature detectors, pressure detectors, etc.)

E5

CORE

Repair nuclear instrumentation systems

E5

CORE

Repair power electronic systems

E5

CORE

Repair primary plant instrumentation systems

E5

CORE

Repair propulsion plant control systems

E5

CORE

Repair pump noise monitor systems

E5

CORE

Repair reactor control systems

INSTRUMENTATION AND CONTROLS MAINTENANCE (CONT'D)

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	CORE	Repair reactor protection systems
E5	CORE	Repair rod control system
E5	CORE	Repair valve actuators
E5	CORE	Repair water level control systems
E5	CORE	Troubleshoot electrical and mechanical propulsion plant detectors and gauges
E6	NON-CORE	Troubleshoot emergency fill initiation systems
E5	CORE	Troubleshoot fiber optic components
E5	NON-CORE	Troubleshoot information technology network
E5	CORE	Troubleshoot instrumentation and control equipment (e.g., throttle controllers, circuit cards, resistive temperature detectors, pressure detectors, etc.)
E5	CORE	Troubleshoot nuclear instrumentation systems
E5	CORE	Troubleshoot power electronic systems
E5	CORE	Troubleshoot primary plant instrumentation systems
E5	CORE	Troubleshoot propulsion plant control systems
E5	CORE	Troubleshoot pump noise monitor systems
E5	CORE	Troubleshoot reactor control systems
E5	CORE	Troubleshoot reactor protection systems
E5	CORE	Troubleshoot rod control system
E5	CORE	Troubleshoot valve actuators
E5	CORE	Troubleshoot water level control systems

PROPULSION PLANT OPERATIONS

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E5	NON-CORE	Manage information technology network

RADIOLOGICAL CONTROL

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E6	CORE	Verify radiological controlled areas

Job Title**Submarine Reactor Control Manager****Job Code****003795****Job Family**
Production**NOC**
TBD**Short Title (30 Characters)**
SUB REACTOR CONTROLS MGR**Short Title (14 Characters)**
SS REAC CNTMGR**Pay Plan**
Enlisted**Career Field**
ETN**Other Relationships and Rules**
NEC NXXX, 7XXX series and other NECs as assigned**Job Description**

Submarine Reactor Control Managers manage operations, maintenance, and training for personnel assigned to the Reactor Control Division and Engineering Department; review divisional and departmental correspondence; perform audits of divisional and departmental programs and training; perform critical work functions required to train forces and personnel; move Naval tactical forces; manage the repair and maintenance of equipment; and perform consequence management.

DoD Relationship

<i>Group Title</i>	<i>DoD Code</i>
Nuclear Power	166100

O*NET Relationship

<i>Occupation Title</i>	<i>SOC Code</i>	<i>Job Family</i>
First-Line Supervisors of Production and Operating Workers	51-1011.00	Production

Skills

Quality Control Analysis
Reading Comprehension
Monitoring
Complex Problem Solving
Coordination
Critical Thinking
Judgement and Decision Making
Management of Material Resources
Management of Personnel Resources
Systems Analysis

Abilities

Problem Sensitivity
Written Comprehension
Inductive Reasoning
Number Facility
Written Expression

ENGINEERING MANAGEMENT

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E6	CORE	Approve valve and component lineups or checklists
E7	CORE	Audit chemistry records
E7	CORE	Audit engineering and reactor department records
E7	CORE	Manage equipment modifications and modernization
E6	CORE	Supervise propulsion plant maintenance operations (e.g., electrical, mechanical, reactor control, etc.)
E6	CORE	Supervise propulsion plant watch section operations
E6	NON-CORE	Supervise Quality Assurance (QA) testing
E7	CORE	Supervise Reactor Control Division testing operations
E7	CORE	Supervise rod control testing
E7	CORE	Verify calorimetric calibrations

RADIOLOGICAL CONTROL

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E6	CORE	Verify radiological records

Job Title**Surface Reactor Control Manager****Job Code****003796****Job Family**

Production

NOC

TBD

Short Title (30 Characters)

SUR REACTOR CONTROLS MGR

Short Title (14 Characters)

SW REAC CNTMGR

Pay Plan

Enlisted

Career Field

ETN

Other Relationships and Rules

NEC NXXX, 7XXX series and other NECs as assigned

Job Description

Surface Reactor Control Managers manage operations, maintenance, and training for personnel assigned to the Reactor Control Division and Reactor Department; review divisional and departmental correspondence and perform audits of divisional and departmental programs and training; perform critical work functions required to train forces and personnel; move Naval tactical forces; manage the repair and maintenance of equipment; and perform consequence management.

DoD RelationshipGroup Title

Nuclear Power

DoD Code

166100

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

51-1011.00

Job Family

Production

Skills*Quality Control Analysis**Reading Comprehension**Monitoring**Complex Problem Solving**Critical Thinking**Coordination**Judgement and Decision Making**Management of Material Resources**Management of Personnel Resources**Operation Monitoring***Abilities***Problem Sensitivity**Written Comprehension**Inductive Reasoning**Number Facility**Written Expression***ENGINEERING MANAGEMENT****Paygrade**

E6

Task Type

CORE

Task Statements

Approve valve and component lineups or checklists

E7

CORE

Audit chemistry records

E7

CORE

Audit engineering and reactor department records

E7

CORE

Manage equipment modifications and modernization

E6

NON-CORE

Supervise emergency fill initiation system maintenance

E6

CORE

Supervise propulsion plant maintenance operations (e.g., electrical, mechanical, reactor control, etc.)

E6

CORE

Supervise propulsion plant watch section operations

E6

NON-CORE

Supervise Quality Assurance (QA) testing

E7

CORE

Supervise Reactor Control Division testing operations

E7

CORE

Supervise rod control testing

E7

CORE

Verify calorimetric calibrations

RADIOLOGICAL CONTROL**Paygrade**

E6

Task Type

CORE

Task Statements

Verify radiological records