

§ 113.65-5

into the necessary number of zone feeders. Where, because of the arrangement of the vessel, only one zone feeder is necessary, a branch circuit distribution panel must be used.

(b) The feeder distribution panel must be in an enclosed space next to the public address system power supply.

(c) Each system must have at least one feeder for each vertical fire zone.

(d) Each system must have one or more branch circuit distribution panels for each zone feeder, with at least one branch circuit for each deck level. The distribution panel must be above the uppermost continuous deck, in the zone served, and there must be no disconnect switches for the branch circuits.

(e) A branch circuit must not supply speakers on more than one deck level, except for a single branch circuit supplying all levels of a single space if all

46 CFR Ch. I (10-1-06 Edition)

other requirements of this section are met.

(f) On a vessel not divided into vertical fire zones by main vertical fire bulkheads, the vessel must be divided into vertical zones not more than 40 meters (131 feet) long. There must be a feeder for each of these zones.

(g) Feeders and branch circuit cables must be in passageways. They must not be in staterooms, lockers, galleys, or machinery spaces, unless it is necessary to supply public address speakers in those spaces.

[CGD 94-108, 61 FR 28291, June 4, 1996]

Subpart 113.65—Whistle Operators

§ 113.65-5 General requirements.

Each whistle operator must meet section 37.19 of IEEE Standard No. 45.

[CGD 74-125A, 47 FR 15272, Apr. 8, 1982, as amended by CGD 82-036, 48 FR 655, Jan. 6, 1983; CGD 94-108, 61 FR 28291, June 4, 1996]

INDEX

SUBCHAPTER J—ELECTRICAL ENGINEERING

EDITORIAL NOTE: This listing is provided for informational purposes only. It is compiled by and kept current by the U.S. Coast Guard, Department of Homeland Security.

Part, subpart, or section

A

Accessibility: General Requirements	111.01-7
Air heating equipment	111.87
Alarms:	
Engine order telegraph	113.35-5
Engineers' assistance needed	113.27
Environmental tests	113.05-7
Fire and smoke detecting and alarm systems	113.10
General emergency alarm systems	113.25
Refrigerated spaces	113.45-5
Semiconductor rectifier temperature	111.33-7, 111.33-11
Sprinkler system	113.20
Steering failure	113.43
Submerged cargo pump motors	111.105-31(d), 111.105-31(e)(2), 111.105-32(e)
Ventilation loss	111.105-33(f)(1), 111.105-39(a)
American Bureau of Shipping: Rules	110.10-1(b)
American National Standard Safety Code for Elevators, Dumbwaiters, and Escalators, and Moving Walks. (See American National Standards Institute)	
American National Standards Institute: Standards	110.10-1(b)
American Society for Testing and Materials: Standards	110.10-1(b)
American Society of Mechanical Engineers. (See American National Standards Institute)	
Ammeters: Generators	111.30-25(b), 111.30-27
Ammonia carriers	111.105-32
Anesthetics, flammable	111.105-37
Appliances	111.77
Grounding	111.05
Overcurrent protection	111.77-1
Receptacle outlets	111.79
Applicability of this subchapter	110.01
Armored cable. (See Cable, armored)	
Attachment plugs. (See Receptacles)	
Automatic emergency lighting and power system, definition of	112.01-10
Automatic fire detecting and alarm system. (See Fire detecting and alarm system)	
Automatic sprinkler systems. (See Sprinkler systems)	
Autotransformers	111.20-10

B

Batteries, storage	111.15
Box linings	111.15-5(g)
Boxes	111.15-5

46 CFR Ch. I (10–1–06 Edition)

Categories.....	111.15-3
Conductors.....	111.15-20
Construction.....	111.15-2
Electric starting.....	112.50-5
Emergency lighting and power source.....	112.05-5, 112.30, 112.35, 112.37, 112.45, 112.50-5, 112.55
Engine starting.....	111.05-11(a)(2)
Installation.....	111.15-5
Nameplates.....	111.15-5(e)
Overload protection.....	111.15-25
Reverse current protection.....	111.15-25
Room and locker.....	111.15-5(f)
Rooms, hazardous locations.....	111.15-5(a), 111.105-41
Trays.....	111.15-5(d)
Ventilation.....	111.15-10
Battery chargers.....	111.15-30
Belt drives.....	111.105-27
Berth lights.....	111.75-15(d)
Berthing compartments, lighting of.....	111.75-15(a)
Bilge pumps, submersible.....	111.101
Source of power.....	112.15-5(d)
Boat winches, power operated.....	111.95
Boxes:	
Fire detecting and alarm systems.....	113.10-7
Shore connection.....	111.83
Sound powered telephone system.....	113.30-25(h)
Sprinkler system.....	113.20-3
Branch circuits:	
Appliance.....	111.77-1
Autotransformer.....	111.20-10
General alarm.....	113.25-8
Lighting. (See Lighting branch circuits)	
Motor. (See Motor branch circuits)	
Steering gear. (See Steering gear)	
Ungrounded conductors.....	111.50-3(f)
Vital equipment.....	111.60-9
Buses, switchboard.....	111.30-19
Busways.....	111.59
Bus-tie, main/emergency.....	112.05-3

C

Cable:	
Application.....	111.60-3
Armored.....	111.05-7, 111.105-17
Connections.....	111.60-17
Construction.....	111.60-1
Fiber optic.....	111.60-6
Flexible cords and cable.....	111.60-13
Generator.....	111.12-9
Grounding of armor.....	111.05-7
In battery rooms.....	111.15-20
In hazardous spaces.....	111.105-15, 111.105-17, 111.105-31
Inspection and testing.....	111.60-1, 111.60-13(a), 111.60-21
Installation.....	111.60-5
Metal-clad (type MC) cable.....	111.60-23
Segregation of vital circuits.....	111.60-9
Specialty cable for communication and RF applications.....	111.60-2

Subchapter J Index

Splicing.....	111.60-13, 111.60-17, 111.60-19
Wire.....	111.30-19, 111.60-11
Calculation of short-circuit current.....	111.52
Cargo spaces:	
Emergency lighting.....	112.15-1(f)
Central control panel, definition of.....	111.99-3
Chargers, battery.....	111.15-30
Chemicals, vessels carrying.....	111.105
Circuit:	
Branch. (See Branch circuits)	
Lighting. (See Lighting branch circuit)	
Motor. (See Motor circuits)	
Vital, segregation of.....	111.60-9
Circuit breakers:	
Accessibility.....	111.50-5(b)
Circuit connections.....	111.55-3
Coordination.....	111.51
Construction.....	111.54-1
Disconnecting and guarding.....	111.50-9
Draw-out type.....	111.30-25(b)(2), 111.30-27(b)(2)
Enclosure.....	111.50-7
Generator protection.....	111.12-11, 111.30-25(b), 111.30-27(b)
Grounded conductors.....	111.50-3(g)
In parallel.....	111.50-3(d)
Installation.....	111.51-3
Interrupting rating.....	111.54-1(a)(3)
Location in circuit.....	111.50-5(a)
Setting or rating.....	111.50-3
Ungrounded conductors.....	111.50-3(f)
Coal, vessels carrying.....	111.105-35
Coastwise vessel, definition of.....	110.15-1(b)
Codes, references and standards.....	110.10
Combustible liquid, vessels carrying.....	111.105-29
Commandant, definition of.....	110.15-1(b)
Communication systems:	
Engine order telegraph. (See Engine order telegraph)	
Environmental tests.....	113.05-7
Essential.....	112.15-1(h)
Sound powered telephone. (See Sound powered telephone)	
Compass, gyro:	
Communication.....	113.30-5(b)
Power supply.....	112.15-5(j)
Compressed air starting.....	112.50-7
Conductors:	
Lightning ground.....	111.05-9
Systems ground.....	111.05-31
Connection boxes, shore power.....	111.83
Contact makers, general emergency alarm system:	
General.....	113.25-11
Location.....	113.25-5
Controllers, motor. (See Motor controller)	
Cooking equipment.....	111.77-3
Coordination of overcurrent protective devices.....	111.51
Cord, flexible.....	111.60-13
Corrosion-resistant material or finish:	
Definition.....	110.15-1(b)
Requirements.....	111.01-11

46 CFR Ch. I (10-1-06 Edition)

Corrosive location, definition of 110.15-1(b)
Crew spaces:
 Emergency lighting 112.15-1(c)
 Lighting 111.75-15(c)
Current-carrying capacity:
 Cable 111.60-1
 Portable cords 111.60-13(c)
 Wire 111.60-11(c)

D

Dead ship condition:
 Definition 110.15-1(b)
 Start up 111.10-7
Definitions 110.15-1
Depth sounder, power supply for 112.15-5(j)
Detector systems:
 Fire. (See Fire detecting and alarm systems)
 Gas. (See Gas detection systems)
 Smoke. (See Smoke detector systems)
Diesel engine driven emergency generator sets 112.50
Disconnecting means:
 Control, interlock, or indicator circuits 111.70-7(d)
 Generators 111.30-25(b), 111.30-27(b)
 Motor circuits 111.70-1
 Overcurrent devices 111.50-9
Distribution panels. (See Panelboards)
Door holding and release systems 111.99
Doors, watertight, electric power-operated 111.97
Drawings, submittal requirements 110.25
Drilling units:
 Hazardous locations 111.105-33
 Industrial systems 111.107
Dripproof, definition of 110.15-1(b)
Dumbwaiters 111.91
Duty cycle 111.25-15

E

Electric air heaters 111.87
Electric cooking equipment 111.77-3
Electric oil immersion heaters 111.85
Electric power-operated lifeboat winches
 Applicability 111.95-1
 General requirements 111.95-3
 Wiring 111.95-7
Electric power-operated watertight door systems. (See Watertight door systems)
Electric propulsion:
 General 111.35
 Grounding 111.05-21(a)
Electric starting, emergency generator prime mover 112.50-5
Electric steering gear. (See Steering gear)
Electrical installations in hazardous locations:
 Agricultural products, vessels carrying 111.105-45
 Applicability 111.105-1
 Approved equipment 111.105-7
 Battery rooms 111.105-41
 Belt drives 111.105-27
 Coal carriers 111.105-35

Subchapter J Index

Combustible liquid cargo carriers	111.105-29, 111.105-31
Explosionproof equipment	111.105-9
Flammable anesthetics	111.105-37
Flammable cargo carriers	111.105-31
Fuel, vessels carrying vehicles with.....	111.105-39
General requirements	111.105-3
Industrial systems	111.107
Intrinsically safe systems	111.105-11
Liquefied gas carriers	111.105-32
Mobile offshore drilling units.....	111.105-33, 111.107
Paint stowage or mixing spaces	111.105-43
RO/RO vessels, additional requirements for	111.105-40
Switches	111.105-19
Ventilation ducts.....	111.105-21
Wiring methods	111.105-15, 111.105-17
Electrical supply: Voltage and frequency	111.01-17
Elevators, dumbwaiters, and escalators:	
General	111.91
Power supply	112.15-5(b)
Embarkation station:	
Definition	110.15-1(b)
Emergency lighting.....	111.75-16, 112.43-11
Emergency diesel and gas turbine: Engine driven generator sets.....	112.20-10
Emergency lighting and power system	112
Alternating-current temporary source	112.40
Automatic emergency lighting and power system, definition	112.01-10
Branch circuits	111.75-15(a)
Cable in engine room	112.05-5(f)
Compartment protection.....	112.05-5(e)
Control of lights	112.43-1, 112.43-5
Definitions	112.01
Diesel driven emergency source of power	112.20-10
Emergency loads on systems without a temporary emergency power source.....	112.15-10
Emergency power source	112.05-5
Emergency system having an automatic starting diesel engine or gas turbine-driven emergency power source as the sole emergency power source.....	112.25
Failure of power from the normal source	112.20-5
Final emergency loads.....	112.15-5
Final emergency power source, definition	112.01-20
Gas turbine	112.20-10
Generators	112.50-1
Lighting feeder. (See Lighting)	
Main-emergency bus-tie	112.05-3
Manual control	112.35-5
Manual emergency lighting and power system, definition.....	112.01-5
Marking of emergency lights	112.15-1(d)
Potential of final emergency power source.....	112.20-15
Source of supply	112.05-5
Storage batteries:	
Capacity	112.05-5(a), 112.55-15
Charging	112.55-10
Indication of discharge	112.45-1
Installation.....	112.55
Maximum initial voltage	112.55-5
Visible indicators.....	112.45-1

46 CFR Ch. I (10–1–06 Edition)

Switchboard	111.30-29, 112.05-5(g), 112.05-5(h)
Temporary emergency power source:	
Definition	112.01-15
Requirements	112.37
Temporary emergency loads.....	112.15-1
Visible indicators	112.45-1
Emergency squad:	
Definition	110.15-1(b)
Equipment locker, communication.....	113.30-5(d)
Enclosure and protection	111.01-3, 111.01-5, 111.01-9, 111.01-11
Engine order telegraph system:	
Definitions.....	113.35-1
Electric type.....	113.35-5
General requirements	113.35-3
Indicator, definition	113.35-1
Mechanical type	113.35-9
Navigating bridge control	113.35-17
Transmitter, definition	113.35-1
Engineers alarm	113.27
Engineroom:	
Communication required.....	113.30-5(a)
Emergency lighting.....	112.15-1(b)
Lighting.....	111.75-1(b), 111.75-15(b)
Equalizer buses	111.12-11(i)(2)
Equalizer poles	111.12-11(i)(1)
Equipment grounding conductors	111.05-33
Equivalentents.....	110.20-1
Escalators. (See Elevators)	
Escape trunks, emergency lighting of	112.15-1(c)
Excitation, generator	111.12-3
Exit lights:	
Construction	111.75-15(e)
Power source	112.15-1(d)
Explosion-proof equipment	111.105-9

F

Fan, nonsparking, definition.....	110.15-1(b)
Fans in hazardous locations	111.105-21
Fault current calculations. (See Short-circuit calculations)	
Feeders, general alarm system.....	113.25-8
Final emergency loads.....	112.15-5
Final emergency power source, definition of	112.01-20
Fire detecting and alarm system:	
Power supply	112.15-1(p), 113.10-9
Requirements	113.10
Fire door holding and release systems:	
Applicability.....	111.99-1
Definitions	111.99-3
General	111.99-5
Source of power.....	112.15-1(k)
Fire pumps, emergency: Source of power	112.15-5(e)
Fixture wire. (See Wire)	
Fixtures. (See Lighting)	
Flammable anesthetics	111.105-37
Flammable cargo carriers	111.105-31, 111.105-32
Flashing red lights, general emergency alarm system	113.25-10
Flashpoint:	

Subchapter J Index

Definition	110.15-1(b)
Fuel for emergency generator	112.50-1(b)
Flexible cord	111.60-13
Floodlights, lifeboat. (See Lifeboat floodlights)	
Frequency: Standard	111.01-17
Fuel-oil pumps, remote control	111.103-9
Fuses:	
Accessibility	111.50-5(b)
Circuit connections	111.55-3
Coordination	111.51
Disconnecting and guarding	111.50-9
Enclosures	111.50-7
General emergency alarm system	113.25-16
General requirements	111.53-1
Grounded conductors	111.50-3
In parallel	111.50-3(d)
Location in circuit	111.50-5(a)
Rating	111.50-3(a), 111.75-5(d)
Ungrounded conductors	111.50-3(f)

G

Galley, emergency lighting of	112.15-1(f)
Gas detection systems	111.105-31(n)(2), 111.105-39(b), 111.105-40(c)
Gasoline, in vehicles	111.105-39
General emergency alarm systems:	
Alarm signals	113.25-9, 113.25-12
Applicability	113.25-1
Barges	113.25-1, 113.25-25, 113.25-30
Cable entrances	113.25-14
Contact makers	113.25-5, 113.25-11
Distribution of feeder and branch circuits	113.25-8
Distribution panels	113.25-15
Flashing red lights	113.25-10
Fuses	113.25-16
General requirement	113.25-3
Marking	113.25-20
Overcurrent protection	113.25-7
Power supply	113.25-6
Generator:	
Cable	111.12-9
Construction	111.12
Emergency	111.12, 112.50
Excitation	111.12-3
Grounding	111.05-17
Indicating instruments	111.30-25, 111.30-27, 111.30-29
Neutral grounding	111.05-17
Overcurrent protection	111.12-11
Parallel operation	111.12-7
Prime movers for	111.12-1
Protection	111.12-11
Requirement	111.10-3, 112.05-5
Switchboard equipment	111.30-25, 111.30-27, 111.30-29
Testing	111.12-5
Voltage regulation	111.12-7
General emergency alarm signals	113.25-9
Great Lakes vessel, definition of	110.15-1(b)
Ground detection:	

46 CFR Ch. I (10–1–06 Edition)

Dual voltage direct current systems.....	111.05-29
General.....	111.05-21
Location.....	111.05-23
Requirement.....	111.05-21
Switchboards.....	111.30-25(e), 111.30-27(e), 111.30-29(g), 111.30-29(h)
Ungrounded systems.....	111.05-25
Grounded conductors:	
Emergency switchboard bus-tie.....	111.05-17
Overcurrent device.....	111.05-37
Grounded systems.....	111.05
Grounding:	
Belt drive systems.....	111.105-27
Cable metallic covering.....	111.05-7
Conductors, equipment.....	111.05-33
Conductors, system.....	111.05-31
Equipment.....	111.05-3
Generation system.....	111.05-17
Hull return.....	111.05-11
Masts.....	111.05-9
Neutral.....	111.05-15
Purpose.....	111.05-1
Receptacles.....	111.79-3
System.....	111.05-11, 111.05-13, 111.05-17, 111.05-19
Tank vessels.....	111.05-19
Group control panels. (See Motor control centers)	
Gyro compass. (See Compass, gyro)	

H

Hazardous locations. (See Electrical installations in hazardous locations)	
Heater circuits.....	111.70-5
Heating equipment, air.....	111.87
Hospital.....	111.105-37
Hull return.....	111.05-11
Hydraulic starting, emergency generator prime mover.....	112.50-3

I

Illumination.....	111.75
Immersion heaters.....	111.85
Inclination of the vessel.....	111.01-19
Industrial systems.....	111.107
Independent laboratory definition.....	110.15-1(b)
Inorganic acid carriers.....	111.105-31
Inspector. (See Marine inspector)	
Inspection and testing:	
General.....	110.30-1
Initial.....	110.30-3
Inspection for certification.....	110.30-5
Repairs or alterations.....	110.30-7
Institute of Electrical and Electronics Engineers (IEEE): Standards.....	110.10-1(b)
Instruments:	
Emergency battery charger.....	112.55-10(d)
Switchboards.....	111.30-25, 111.30-27, 111.30-29
Internal communications.....	113.30
Applicability.....	113.30-1
Locations.....	113.30-5
International Association of Drilling Contractors (IADC): Standards.....	110.10-1(b)
International Electrotechnical Commission (IEC): Standards.....	110.10-1(b)

Subchapter J Index

International Maritime Organization (IMO): Standards	110.10-1(b)
International Society for Measurement and Control (ISA): Standards.....	110.10-1(b)
Intrinsically safe systems	111.105-11

J

Junction boxes. (See Boxes)

L

Lampholders, connections to.....	111.75-5(e)
Lamps, portable. (See Lighting, fixtures)	
Lanterns, battery operated.....	Table 112.05-5(a), 112.39
Lifeboat receptacles. (See Survival craft floodlights)	
Lifeboat winches. (See Boat winches)	
Lighting:	
Branch circuits	111.75-5
Emergency system	112.43
Feeders	111.75-1
Feeders, emergency.....	112.43-15
Fixtures, general.....	111.75-20
For cargo handling rooms	111.105-31(g)
Requirements	111.75-15
System ground detection	111.05-21(c)
Lightning ground conductor.....	111.05-9
Lights, navigation:	
General.....	111.75-17
Power supply	112.15-1(a)
Lights, signaling:	
General.....	111.75-18
Power supply	112.15-1(m)
Liquid sulfur carriers	111.105-31
Locations: Corrosive, definition.....	110.15-1(b)
Location not requiring an exceptional degree of protection, definition of	110.15-1(b)
Location requiring an exceptional degree of protection, definition of.....	110.15-1(b)
Locking device: Panelboards	111.40-9
Lookout, communication for	113.30-5(g)
Loudspeaker system. (See Public address system)	
Low voltage release.....	111.70-3(b)
Low voltage protection	111.70-3(c)
Lube oil pumps, power supply for.....	112.15-5(g)

M

Machinery spaces:	
Emergency lighting.....	112.15-1
Lighting of	111.75-1(b), 111.75-15(b)
Machinery stop stations.....	111.103-9
Main emergency bus-tie	112.05-3
Manual emergency lighting and power system, definition of.....	112.01-5
Manual fire alarm systems.....	113.10
Marine inspector, definition of.....	110.15-1(b)
Marking:	
General emergency alarm system components.....	113.25-20
Motors	111.25-5
Masts, grounding of.....	111.05-9
Meters. (See Instruments)	

46 CFR Ch. I (10–1–06 Edition)

Military Specifications: Standards	110.10-1(b)
Mobile offshore drilling units: Hazardous location	111.105-33
Motor circuits:	111.70
General	111.70-1
Heater circuits.....	111.70-5
Low voltage protection	111.70-3(c)
Low voltage release.....	111.70-3(b)
Motor control centers.....	111.70-3
Motor controllers.....	111.70
Motors:.....	111.25
Degree of protection.....	111.01-9
Duty cycle.....	111.25-15
General requirements	111.25-1
Heaters	111.70-5
Marking.....	111.25-5

N

National Electrical Code (NEC). (See National Fire Protection Association)	
National Electrical Manufacturers Association (NEMA): Standards.....	110.10-1(b)
National Fire Protection Association (NFPA): Standards.....	110.10-1(b)
Naval Publications and Forms Center: Standards	110.10-1(b)
Naval Sea Systems Command: Standards	110.10-1(b)
Navigating bridge:	
Public address systems	113.50(b)
Navigation light indicator panel	111.75-17(b)
Power supply.....	112.43-13
Navigation lights	111.75-17
Power supply	112.15-1(a)
Neutral, grounding of.....	111.05-15, 111.05-17
Nonsparking fan, definition of	110.15-1(b)

O

Ocean vessel, definition of.....	110.15-1(b)
Oil immersion heaters.....	111.85
Outlet boxes:	
Cable entrances	111.81-3
General	111.81-1
Shore power.....	111.83
Overcurrent protection	111.50
Appliance circuits	111.77-1
Battery conductors	111.15-25
Circuit breakers	111.54
Conductors, general.....	111.50-3
Coordination of devices.....	111.51
Disconnecting and guarding	111.50-9
Enclosures for devices	111.50-7
Equipment, general	111.50-1
Fuses.....	111.50-3, 111.53
Generators	111.12-11
Grounded conductors.....	111.50-3(g)
Location of devices.....	111.50-5
Motors and motor circuits	111.70
Navigation lights	111.75-17
Parallel devices	111.50-3(d)
Propulsion circuits.....	111.35
Switchboard circuits.....	111.30-17
Systems integration.....	111.50-2

Subchapter J Index

Thermal devices	111.50-3(e)
Transformers.....	111.20-15
Ungrounded conductors	111.50-3(f)
Watertight door systems	111.97-9

P

Paint stowage or mixing spaces	111.105-43
Panelboards.....	111.40
Directory.....	111.40-11
Enclosure.....	111.40-5
Location	111.40-7
Locking device.....	111.40-9
Parallel operation of generators.....	111.12-7
Passageways, lighting of	112.15-1(c)
Plan submittals.....	110.25
Public address system:	
Applicability.....	113.50-1
Distribution of cable runs	113.50-20
General requirements	113.50-5
Location.....	113.50-15
Passenger vessels, additional requirements for	113.50-10
Power supply for	112.15-1(j)
Sound level requirements	113.50-15

Q

Qualified person, definition.....	110.15-1(b)
-----------------------------------	-------------

R

Radar	112.15-5(j)
Radio, power supply	112.15-5(i)
Radio direction finder, power supply	112.15-5(j)
Receptacles	111.79
Reference specifications, standards, and codes	110.10
Refrigerated spaces alarm system.....	113.45
Regulators, voltage	111.30-25(b)(5), 111.30-25(b)(6), 111.30-27(c)(2), 111.30-29(f)
Release, fire door. (See Fire door holding and release systems)	
Remote stopping systems	111.103
Machinery space ventilation.....	111.103-3
Machinery stop stations.....	111.103-9
Ventilation stop stations	111.103-7
Ventilation systems, general	111.103-1
Repairs	110.01-3
Resistors, discharge	111.30-25(c)
Reverse-power protection:	
Batteries	111.15-25
Generators.....	111.12-11(f)
Rheostats	111.30-25(c), 111.30-27(b)(3)
Rudder angle indicator systems	113.40
Power supply for	112.15-5(h)

S

Seals and seal fittings	111.105-17
Semiconductor rectifiers (SCR)	111.33
General	111.33-1
Propulsion systems	111.33-11
Temperature alarm.....	111.33-7, 111.33-11

46 CFR Ch. I (10–1–06 Edition)

Ventilation exhaust.....	111.33-9
Ship's service generators. (See Generators)	
Shore connection:	
Boxes.....	111.83
Pilot lights.....	111.30-25(f), 111.30-27(f)
Switch or circuit breaker.....	111.30-25(f), 111.30-27(f)
Voltmeter.....	111.30-25(f), 111.30-25(f)
Short-circuit current calculations.....	111.52
Signaling lights.....	111.75-18
Power supply.....	112.43-7, 112.43-9, 112.15-1(m)
Smoke detector systems: Power supply.....	112.15-1(n)
Sound level:	
General emergency alarm system.....	113.25-9
Loudspeakers.....	113.50-15
Sound powered telephone systems. (See Internal communications)	
Spacing. (See Accessibility)	
Splices and splicing.....	111.60-19
Sprinkler systems, automatic.....	113.20
Power supply.....	112.15-5(f)
Stairways, emergency lighting of.....	112.15-1(c)
Standards, references and codes.....	110.10-1
Starting, emergency generator prime mover.....	112.50
Steering failure alarm system.....	113.43
Steering gear room, communication with.....	113.30-5(a)(2)
Steering station, alternative, communication with.....	113.30-5(a)(3)
Storage battery. (See Batteries, storage)	
Submersible motor-driven bilge pumps.....	111.101
Power supply.....	111.101-3(f), 112.15-5(d)
Submittals.....	110.25
Survival craft floodlights:	
Branch circuits.....	112.43-11
Distribution panel.....	112.43-7
General.....	111.75-16
Receptacles.....	111.79-9, 111.79-11
Switchboards.....	111.30
Alternating-current ship's service.....	111.30-25
Buses.....	111.30-19
Construction.....	111.30-5
Direct-current ship's service.....	111.30-27
Emergency.....	111.30-29
Installation.....	111.30-1
Location.....	111.30-1
Nameplates.....	111.30-15
Propulsion.....	111.35
Protection of instrument circuits.....	111.30-17
Rear access.....	111.30-3
Switches.....	111.55
Bus sectionalizing.....	111.30-24
Circuit connections.....	111.55-3
Emergency lighting system.....	112.43-1
General.....	111.55-1
Generator.....	111.30-25(b), 111.30-27(b)
Hazardous locations.....	111.105-19
Lifeboat.....	111.95
Synchronizing lamps.....	111.30-25(d)
Synchroscope.....	111.30-25(d)

Subchapter J Index

T

Tank vessels:	
Electrical installations in hazardous locations	111.105
Grounded distribution systems	111.05-19
Telegraph, engine order. (See Engine order telegraph)	
Temperature, air heater case	111.87-3(e)
Temperature, ambient	111.01-15
Temperature alarm, SCR.....	111.33-7
Temperature ratings	111.01-15
Temperature rise:	
Lighting fixtures	111.105-31(g)(4)
Transformers	111.20-5
Temporary emergency loads.....	112.15-1
Temporary emergency power source, definition of	112.01-15
Terminations	111.60-17
Testing and inspection. (See Inspection and testing)	
Transformers.....	111.20
Autotransformers.....	111.20-10
General	111.20-1
Overcurrent protection	111.20-15
Power and lighting system	111.10-9
Temperature rise	111.20-5

U

Underwriters Laboratories, Inc. (UL): Standards.....	110.10-1(b)
Ungrounded systems, ground detection for.....	111.05-25

V

Ventilation:	
Remote stopping systems	111.103
Semiconductor rectifiers.....	111.33-5, 111.33-9
Storage batteries	111.15-10
Ventilation alarms	111.33-7, 111.105-33(f), 111.105-39
Vessels carrying coal.....	111.105-35
Visible indicators	112.45-1
Vital circuits, segregation of.....	111.60-9
Vital equipment, protection of.....	111.51-3
Voltage regulation, generators.....	111.12-7
Voltages, standard	111.01-17
Voltmeters:	
Generator	111.30-25(b)(5), 111.30-27(c), 111.30-27(d), 111.30-27(g)
Shore power.....	111.30-25(f), 111.30-27(f)

W

Waterproof equipment	111.01-9
Waterproof, definition of.....	110.15-1(b)
Watertight, definition of	110.15-1(b)
Watertight door systems.....	111.97
Applicability.....	111.97-1
Distribution.....	111.97-7
Electric and hydraulic power supply	111.97-5
General requirements	111.97-3
Lighting	112.15-1(c), 112.15-1(e)
Overcurrent protection.....	111.97-9
Power source	112.15-1(i)

46 CFR Ch. I (10-1-06 Edition)

Watertight equipment	111.01-9
Fire detection and alarm system.....	113.10-7
General emergency alarm systems.....	113.25-11(a), 113.25-14, 113.25-15(a)
Internal communications.....	113.30-25
Outlet boxes	111.81
Receptacles.....	111.79-1
Rudder angle indicator	113.40-10(b)
Sound powered telephone systems	113.30-25
Sprinkler systems.....	113.20-3
Wattmeter, generator	111.30-25(d)(2)
Wheelhouse. (See Navigating bridge)	
Whistle Operators.....	113.65
Source of power	112.15-1(o)
Winches, boat, electric-power operated.....	111.95
Wire:	
General.....	111.60-11
Switchboard.....	111.30-19(b)
Wiring materials and methods:	
General	111.60
Methods hazardous locations.....	111.105-17
Working space, switchboard	111.30-1
Emergency lighting	112.15-1(c), 112.15-1(f)