Coast Guard, DHS

§ 111.107–1 Industrial systems.

(a) For the purpose of this subpart, an industrial system is a system that—
(1) Is not a ship’s service load, as defined in §111.10–1;

§ 111.105–43 Paint stowage or mixing spaces.

A space for the stowage or mixing of paint must not have any electric equipment, except:

(a) Intrinsically safe electric equipment approved for a Class I, Division 1, Group D (Zone 0 or Zone 1) location;

(b) Explosion-proof electric equipment approved for a Class I, Division 1, Group D (Zone 0 or Zone 1) location; or

(c) Through runs of marine shipboard cable.

§ 111.105–45 Vessels carrying agricultural products.

(a) The following areas are Class II, Division 1, (Zone 10 or Z) locations on vessels carrying bulk agricultural products that may produce dust explosion hazards:

(1) The interior of each cargo hold or bin,

(2) Areas where cargo is transferred, dropped, or dumped and locations within 1 meter (3 feet) of the outer edge of these areas in all directions.

(b) The following areas are Class II, Division 2, (Zone 11 or Y) locations on vessels carrying bulk agricultural products that may produce dust explosion hazards:

(1) All areas within 2 meters (6.5 feet) of a Division 1 (Zone 10 or Z) location in all directions except when there is an intervening barrier, such as a bulkhead or deck.

Note to §111.105–45: Information on the dust explosion hazards associated with the carriage of agricultural products is contained in Coast Guard Navigation and Vessel Inspection Circular 9–84 (NVIC 9–84) “Electrical Installations in Agricultural Dust Locations.”

(2) Is used only for the industrial function of the vessel;
(3) Is not connected to the emergency power source; and
(4) Does not have specific requirements addressed elsewhere in this subchapter.

(b) An industrial system that meets the applicable requirements of NFPA NEC 2002 (incorporated by reference, see 46 CFR 110.10–1) must meet only the following:
1. The switchgear standards in part 110, subpart 110.10, of this chapter.
2. Part 110, subpart 110.25, of this chapter—Plan Submittal.
3. Subpart 111.01 of this part—General.
4. Subpart 111.05 of this part—Equipment Ground, Ground Detection, and Grounded Systems.
5. Sections 111.12–1(b) and 111.12–1(c)—Prime movers.
6. Subpart 111.105 of this part—Hazardous Locations.
(c) Cables that penetrate a watertight or fire boundary deck or bulkhead must—
1. Be installed in accordance with 46 CFR 111.60–5 and meet the flammability-test requirements of either IEEE 1202 or Category A of IEC 60332–3–22 (both incorporated by reference; see 46 CFR 110.10–1); or
2. Be specialty cable installed in accordance with §111.60–2.


PART 112—EMERGENCY LIGHTING AND POWER SYSTEMS

Subpart 112.01—Definitions of Emergency Lighting and Power Systems

Sec.
112.01–1 Purpose.
112.01–5 Manual emergency lighting and power system.
112.01–10 Automatic emergency lighting and power system.
112.01–15 Temporary emergency power source.
112.01–20 Final emergency power source.

Subpart 112.05—General

112.05–1 Purpose; preemptive effect.
112.05–3 Main-emergency bus-tie.
112.05–5 Emergency power source.

Subpart 112.20—Emergency Systems Having a Temporary and a Final Emergency Power Source

112.20–1 General.
112.20–3 Normal source for emergency loads.
112.20–5 Failure of power from the normal source or final emergency power source.
112.20–10 Diesel or gas turbine driven emergency power source.
112.20–15 Transfer of emergency loads.

Subpart 112.25—Emergency Systems Having an Automatic Starting Diesel Engine or Gas Turbine Driven Emergency Power Source as the Sole Emergency Power Source

112.25–1 General.
112.25–3 Normal source for emergency loads.
112.25–5 Failure of power from the normal source.
112.25–10 Transfer of emergency loads.

Subpart 112.30—Emergency Systems Having an Automatically Connected Storage Battery as the Sole Emergency Power Source

112.30–1 General.
112.30–3 Normal source of emergency loads.
112.30–5 Transfer of emergency loads.
112.30–10 Restoration of normal source potential.

Subpart 112.35—Manually Controlled Emergency Systems Having a Storage Battery or a Diesel Engine or Gas Turbine Driven Generator as the Sole Emergency Power Source

112.35–1 General.
112.35–3 Normal source for emergency loads.
112.35–5 Manually started emergency systems.
112.35–7 Activating means.

Subpart 112.37—Temporary Emergency Power Source

112.37–1 General.

Subpart 112.39—Battery Operated Lanterns

112.39–1 General.
112.39–3 Operation.