

## SUBCHAPTER J—ELECTRICAL ENGINEERING

### PART 110—GENERAL PROVISIONS

#### Subpart 110.01—Applicability

Sec.

110.01-1 General.

110.01-2 OMB control numbers assigned pursuant to the Paperwork Reduction Act.

110.01-3 Repairs and alterations.

110.01-4 Right of appeal.

#### Subpart 110.10—Reference Specifications, Standards, and Codes

110.10-1 Incorporation by reference.

#### Subpart 110.15—Terms Used in This Subchapter

110.15-1 Definitions.

#### Subpart 110.20—Equivalents

110.20-1 Equivalents.

#### Subpart 110.25—Plan Submittal

110.25-1 Plans and information required for new construction.

110.25-3 Procedure for submitting plans.

#### Subpart 110.30—Testing and Inspection

110.30-1 General.

110.30-3 Initial inspection.

110.30-5 Inspection for certification.

110.30-7 Repairs or alterations.

AUTHORITY: 33 U.S.C. 1509; 43 U.S.C. 1333; 46 U.S.C. 3306, 3307, 3703; E.O. 12234, 45 FR 58801, 3 CFR, 1980 Comp., p. 277; Department of Homeland Security Delegation No. 0170.1; §110.01-2 also issued under 44 U.S.C. 3507. Sections 110.15-1 and 110.25-1 also issued under sec. 617, Pub. L. 111-281, 124 Stat. 2905.

SOURCE: CGD 74-125A, 47 FR 15232, Apr. 8, 1982, unless otherwise noted.

#### Subpart 110.01—Applicability

##### § 110.01-1 General.

(a) This subchapter applies to all electrical installations on vessels subject to subchapters D, H, I, I-A, K, L, O, Q, R, T, U, and W of this chapter whenever those subchapters require an electrical installation to be in accordance with this subchapter.

(b) This subchapter applies only to electrical installations contracted for after September 30, 1996.

(c) Installations and equipment accepted by the Coast Guard as meeting the applicable requirements in this subchapter in effect on the date the installation was contracted for and which are maintained in good and serviceable condition to the satisfaction of the Officer in Charge, Marine Inspection, may be continued in use until replacement is ordered by the Officer in Charge, Marine Inspection, or as specified in the regulations.

(d) [Reserved]

(e) Electrical systems internal to a pressure vessel for human occupancy (PVHO) need not meet the requirements of this subchapter, but must meet the requirements of Subpart B (Commercial Diving Operations) of part 197 of this chapter.

[CGD 74-125A, 47 FR 15232, Apr. 8, 1982, as amended by CGD 94-108, 61 FR 28271, June 4, 1996]

##### § 110.01-2 OMB control numbers assigned pursuant to the Paperwork Reduction Act.

(a) *Purpose.* This section collects and displays the control numbers assigned to information collection and record-keeping requirements in this subchapter by the Office of Management and Budget (OMB) pursuant to the Paperwork Reduction Act of 1980 (44 U.S.C. 3501 *et seq.*). The Coast Guard intends that this section comply with the requirements of 44 U.S.C. 3507(f) which requires that agencies display a current control number assigned by the Director of the OMB for each approved agency information collection requirement.

(b) *Display.*

| 46 CFR part or section where identified or described | Current OMB control No. |
|--|-------------------------|
| Subpart 110.25 .....                                 | 1625-0031               |

[49 FR 38121, Sept. 27, 1984, as amended by USCG-2004-18884, 69 FR 58348, Sept. 30, 2004]

##### § 110.01-3 Repairs and alterations.

(a) Repairs and replacements in kind must comply with either the regulations in this subchapter or those in effect when the vessel was built.

## Coast Guard, DHS

## § 110.10-1

(b) Alterations and modifications, such as re-engining, re-powering, upgrading of the main propulsion control system, or replacing extensive amounts of cabling, must comply with the regulations in this subchapter.

(c) Conversions specified in 46 U.S.C. 2101(14a), such as the addition of a midbody or a change in the service of the vessel, are handled on a case-by-case basis by the Commanding Officer, Marine Safety Center.

[CGD 94-108, 61 FR 28271, June 4, 1996, as amended at 62 FR 23906, May 1, 1997]

### § 110.01-4 Right of appeal.

Any person directly affected by a decision or action taken under this subchapter, by or on behalf of the Coast Guard, may appeal therefrom in accordance with subpart 1.03 of this chapter.

[CGD 88-033, 54 FR 50380, Dec. 6, 1989]

## Subpart 110.10—Reference Specifications, Standards, and Codes

### § 110.10-1 Incorporation by reference.

(a) Certain material is incorporated by reference into this subchapter with the approval of the Director of the Federal Register under 5 U.S.C. 552(a) and 1 CFR part 51. To enforce any edition other than that specified in this section, the Coast Guard must publish notice of change in the FEDERAL REGISTER and the material must be available to the public. The word “should,” when used in material incorporated by reference, is to be construed the same as the words “must” or “shall” for the purposes of this subchapter. All approved material is available for inspection at the U.S. Coast Guard, Office of Design and Engineering Standards (CG-ENG), 2703 Martin Luther King Jr. Avenue SE., Stop 7126, Washington, DC 20593-7126, and is available from the sources listed below. It is also available for inspection at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202-741-6030 or go to [http://www.archives.gov/federal\\_register/code\\_of\\_federal\\_regulations/ibr\\_locations.html](http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html).

(b) American Bureau of Shipping (ABS), ABS Plaza, 16855 Northchase Drive, Houston, TX 77060, 281-877-5800, <http://www.eagle.org>.

(1) Rules for Building and Classing Steel Vessels, Part 4 Vessel Systems and Machinery, 2003 (“ABS Steel Vessel Rules”), IBR approved for §§110.15-1, 111.01-9, 111.12-3, 111.12-5, 111.12-7, 111.33-11, 111.35-1, 111.70-1, 111.105-31, 111.105-39, 111.105-40 and 113.05-7.

(2) Rules for Building and Classing Mobile Offshore Drilling Units, Part 4 Machinery and Systems, 2001 (“ABS MODU Rules”), IBR approved for §§111.12-1, 111.12-3, 111.12-5, 111.12-7, 111.33-11, 111.35-1 and 111.70-1.

(c) American National Standards Institute (ANSI), 25 West 43rd Street, New York, NY 10036, 212-642-4900, <http://www.ansi.org/>.

(1) ANSI/IEEE C37.12-1991—American National Standard for AC High-Voltage Circuit Breakers Rated on a Symmetrical Current Basis—Specifications Guide, 1991 (“ANSI/IEEE C37.12”), IBR approved for §111.54-1.

(2) ANSI/IEEE C37.27-1987 (IEEE Std 331)—Application Guide for Low-Voltage AC Nonintegrally Fused Power Circuitbreakers (Using Separately Mounted Current-Limiting Fuses), 1987 (“ANSI/IEEE C37.27”), IBR approved for §111.54-1.

(3) ANSI/ISA 60079-18—Electrical Apparatus for Use in Class I, Zone 1 Hazardous (Classified) Locations: Type of Protection—Encapsulation “m”, approved July 31, 2009 (“ANSI/ISA 60079-18”), IBR approved for §111.106-3(d).

(d) American Petroleum Institute (API), Order Desk, 1220 L Street NW., Washington, DC 20005-4070, 202-682-8000, <http://www.api.org>.

(1) API RP 500—Recommended Practice for Classification of Locations for Electrical Installations at Petroleum Facilities Classified as Class I, Division 1 and Division 2, Second Edition, November 1997, reaffirmed in 2002 (“API RP 500”), IBR approved for §§111.106-7(a) and 111.106-13(b).

(2) API RP 505—Recommended Practice for Classification of Locations for Electrical Installations at Petroleum Facilities Classified as Class I, Zone 0, Zone 1, and Zone 2, First Edition, approved January 7, 1998 (dated November 1997), reaffirmed 2002 (“API RP