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(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.


§ 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.


(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.


(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).


(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
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505”), IBR approved for §§ 111.106–7(a) and 111.106–13(b).
(2) [Reserved]
(3) CAN/CSA–C22.2 No. 0–M91—General Requirements—Canadian Electrical Code, Part II, Reaffirmed 2006 (“CAN/CSA C22.2 No. 0–M91”), IBR approved for §111.106–3(b).
(5) CAN/CSA–C22.2 No. 0–M91—General Specifications—Canadian Electrical Code, Part II, Reaffirmed 2006 (“CAN/CSA C22.2 No. 0–M91”), IBR approved for §111.106–3(b).
(2) Class Number 3610—Approval Standard for Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II, and III, Division 1, Hazardous (Classified) Locations, January 2010 (“FM Approvals Class Number 3610”), IBR approved for §111.106–3(b).
(3) Class Number 3611—Approval Standard for Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II, and III, Division 2, Hazardous (Classified) Locations, December 2004 (“FM Approvals Class Number 3611”), IBR approved for §111.106–3(b).
(4) Class Number 3615—Approval Standard for Explosionproof Electrical Equipment General Requirements, August 2006 (“FM Approvals Class Number 3615”), IBR approved for §111.106–3(b).
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(5) Class Number 3620—Approval Standard for Purged and Pressurized Electrical Equipment for Hazardous (Classified) Locations, August 2000 ("FM Approvals Class Number 3620"), IBR approved for §§111.60-1, 111.60-2, 111.60-3 and 111.106-5(a).


(2) IEC 60079-0—Electrical apparatus for Explosive Gas Atmospheres—Part 0: General Requirements. Edition 3.1, 2000 ("IEC 60079-0"), IBR approved for §§111.105-1, 111.105-3, 111.105-5, 111.105-7, and 111.105-17.

(3) IEC 60079-1—Electrical apparatus for Explosive Gas Atmospheres—Part 1: Flameproof Enclosures "d" including corr.1, Fourth Edition, 2001 ("IEC 60079-1"), IBR approved for §§111.105-1, 111.105-3, 111.105-5, 111.105-7, 111.105-9, and 111.105-17.


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(1) International Maritime Organization (IMO), Publications Section, 4 Albert Embankment, London SE1 7SR, United Kingdom, +44 (0)20 7735 7611, http://www.imo.org.


(2) Reserved


(2) Reserved

(n) Lloyd's Register, 71 Fenchurch Street, London EC3M 4BS, +44 (0)20 7709 9166, http://www.lr.org.

(1) Type Approval System-TEST Specification Number 1 (2002), IBR approved for § 113.05–7.

(2) Reserved

(o) National Electrical Manufacturers Association (NEMA), 1300 North
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(1) NEC 2002 (NFPA 70)—National Electrical Code Handbook, Ninth Edition, 2002 ("NFPA NEC 2002"), IBR approved for §§111.05–33, 111.20–15, 111.25–5, 111.50–3, 111.50–7, 111.50–9, 111.53–1, 111.54–1, 111.55–1, 111.59–1, 111.60–7, 111.60–13, 111.60–23, 111.81–1, 111.105–1, 111.105–3, 111.105–5, 111.105–7, 111.105–9, 111.105–15, 111.105–17, and 111.107–1.

(2) NFPA 70—National Electrical Code, 2011 Edition ("NFPA 70"), IBR approved for §§110.15–1(b), 111.106–3(b), and 111.106–5(c).

(3) NFPA 77—Recommended Practice on Static Electricity, 2000 ("NFPA 77"), IBR approved for §111.105–27.


(1) DDS 300–2—A.C. Fault Current Calculations, 1988 ("NAVSEA DDS 300–2"), IBR approved for §111.52–5.


(6) UL 489—Molded-Case Circuit Breakers, Molded-Case Switches, and
Subpart 110.15—Terms Used in This Subchapter

§ 110.15–1 Definitions.

As used in this subchapter—

(a) The electrical and electronic terms are defined in IEEE 100 or IEC VerDate Sep<11>2014 15:29 Nov 14, 2014 Jkt 232201 PO 00000 Frm 00201 Fmt 8010 Sfmt 8010 Y:\SGML\232201.XXX 232201wreier-aviles on DSK5TPTVN1PROD with CFR

cluding Apr. 14, 2003), IBR approved for §111.60–1.


(20) UL 1581—Reference Standard for Electrical Wires, Cables, and Flexible Cords, 2003, IBR approved for §§111.30–19, 111.60–2 and 111.60–6.


(23) UL 1604—Electrical Equipment for Use in Class II Divisions 1 and 2 and Class III Hazardous (Classified) Locations, Third Edition including revisions through February 3, 2004 (dated April 28, 1994), IBR approved for §111.106–3(b).


[USCG-2012-0208, 79 FR 48925, Aug. 18, 2014]