

Standardization Bureau (ITU-T) (Standards formerly designated as CCITT are now designated as ITU-T.)

(3) International Electrotechnical Commission (IEC).

(4) International Organization for Standardization (ISO).

(5) International Telecommunication Union—Radiocommunication Bureau (ITU-R) (Standards formerly designated as CCIR are now designated as ITU-R.)

(b) All equipment specified in this subpart must meet the general requirements for shipboard equipment in conformity with performance specifications listed in this paragraph, which are incorporated by reference.

(1) IMO Resolution A.694(17), "General Requirements for Shipborne Radio Equipment Forming Part of the Global Maritime Distress and Safety System (GMDSS) and for Electronic Navigational Aids," adopted 6 November 1991.

(2) ITU-T Recommendation E.161, "Arrangement of Digits, Letters and Symbols on Telephones and Other Devices that Can Be Used for Gaining Access to a Telephone Network," 1993.

(3) ITU-T Recommendation E.164.1, "Series E: Overall Network Operation, Telephone Service, Service Operation and Human Factors; Operation, Numbering, Routing and Mobile Services—International Operation—Numbering Plan of the International Telephone Service: Criteria and Procedures for the Reservation, Assignment, and Reclamation of E.164 Country Codes and Associated Identification Codes (ICs)," March 1998.

(4) IEC Publication 92-101, "Electrical Installations in Ships," Third Edition 1980 with amendments through 1984.

(5) IEC Publication 533, "Electromagnetic Compatibility of Electrical and Electronic Installations in Ships," First Edition 1977.

(6) IEC Publication 60945, "Maritime navigation and radiocommunication equipment and systems—General requirements—Methods of testing and required test results," Edition 4.0, with Annexes, August 2002.

(7) ISO Standard 3791, "Office Machines and Data Processing Equipment—Keyboard Layouts for Numeric Applications," First Edition 1976(E).

(c) The equipment specified in this subpart must also conform to the appropriate performance standards listed in paragraphs (c)(1) through (10) of this section, which are incorporated by reference, and must be tested in accordance with the applicable IEC testing standards listed in paragraph

(c)(11) of this section, and are also incorporated by reference.

(1) *NAVTEX receivers*: (i) IMO Resolution A.525(13), "Performance Standards for Narrow-band Direct Printing Telegraph Equipment for the Reception of Navigational and Meteorological Warnings and Urgent Information to Ships," including Annex, adopted 17 November 1983.

(ii) ITU-R Recommendation M.540-2, "Operational and Technical Characteristics for an Automated Direct-printing Telegraph System for Promulgation of Navigational and Meteorological Warnings and Urgent Information to Ships," including Annexes, 1990.

(2) *VHF radio equipment*: (i) IMO Resolution A.803(19), "Performance Standards for Shipborne VHF Radio Installations Capable of Voice Communication and Digital Selective Calling," with Annex, adopted 23 November 1995, as amended by IMO Resolution MSC.68(68), "Adoption of Amendments to Performance Standards for Shipborne Radiocommunication Equipment," GMDSS terrestrial communications—1.1(c), adopted 6 June 1997.

(ii) ITU-R Recommendation M.493-10, "Digital Selective-calling System for Use in the Maritime Mobile Service," with Annexes 1 and 2, 2000, and ITU-R Recommendation M.541-8, "Operational Procedures for the Use of Digital Selective-Calling Equipment in the Maritime Mobile Service," with Annexes, 1997.

(3) *MF radio equipment*: (i) IMO Resolution 804(19), "Performance Standards for Shipborne MF Radio Installations Capable of Voice Communication and Digital Selective Calling," with Annex, adopted 23 November 1995, as amended by IMO Resolution MSC.68(68), "Adoption of Amendments to Performance Standards for Shipborne Radiocommunication Equipment," GMDSS terrestrial communications—1.2(c), adopted 6 June 1997.

(ii) ITU-R Recommendation M.493-10, "Digital Selective-calling System for Use in the Maritime Mobile Service," with Annexes 1 and 2, 2000, and ITU-R Recommendation M.541-8, "Operational Procedures for the Use of Digital Selective-Calling Equipment in the Maritime Mobile Service," with Annexes, 1997.

(4) *MF/HF radio equipment*: (i) IMO Resolution A.806(19), "Performance Standards for Shipborne MF/HF Radio Installations Capable of Voice Communication, Narrow-Band Direct Printing and Digital Selective Calling," with Annex, adopted 23 November

1995, as amended by IMO Resolution MSC.68(68), "Adoption of Amendments to Performance Standards for Shipborne Radiocommunication Equipment," GMDSS terrestrial communications—1.3(c), adopted 6 June 1997.

(ii) ITU-R Recommendation M.493-10, "Digital Selective-calling System for Use in the Maritime Mobile Service," with Annexes 1 and 2, 2000, and ITU-R Recommendation M.541-8, "Operational Procedures for the Use of Digital Selective-Calling Equipment in the Maritime Mobile Service," with Annexes, 1997.

(iii) ITU-R Recommendation M.625-3, "Direct-Printing Telegraph Equipment Employing Automatic Identification in the Maritime Mobile Service," with Annex, 1995, ITU-R Recommendation M.493-10, "Digital Selective-calling System for Use in the Maritime Mobile Service," with Annexes 1 and 2, 2000. Equipment may conform to ITU-R Recommendation M.476-5, "Direct-Printing Telegraph Equipment in the Maritime Mobile Service," with Annex, 1995, in lieu of ITU-R Recommendation M.625-3 with Annex, 1995, where such equipment was installed on ships prior to February 1, 1993.

(iv) IMO Resolution A.700(17), "Performance Standards for Narrow-band Direct-printing Telegraph Equipment for the Reception of Navigational and Meteorological Warnings and Urgent Information to Ships (MSI) by HF," adopted 6 November 1991.

(5) *406.0-406.1 MHz EPIRBs*: (i) IMO Resolution A.810(19), "Performance Standards for Float-free Satellite Emergency Position-indicating Radio Beacons (EPIRBs) Operating on 406 MHz," with Annex, adopted 23 November 1995, and IMO Resolution A.812(19), "Performance Standards for Float-free Satellite Emergency Position-indicating Radio Beacons Operating Through the Geostationary INMARSAT Satellite System on 1.6 GHz," with Annex, adopted 23 November 1995.

(ii) IMO Resolution A.662(16), "Performance Standards for Float-free Release and Activation Arrangements for Emergency Radio Equipment," adopted 19 October 1989.

(iii) ITU-R Recommendation M.633-2, "Transmission Characteristics of a Satellite Emergency Position-indicating Radiobeacon (Satellite EPIRB) System Operating Through a Low Polar-orbiting Satellite System in the 406 MHz Band," 2000.

(iv) The 406.0-406.1 MHz EPIRBs must also comply with § 80.1061.

(6) *9 GHz radar transponders*: (i) IMO Resolution A.802(19), "Performance