§ 80.1101 Performance standards.

(a) The abbreviations used in this section are as follows:
   (1) International Maritime Organization (IMO).
   (2) International Telecommunication Union—Telecommunication Standardization Bureau (ITU-T) (Standards formerly designated as CCITT are now designated as ITU-T).
   (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. (See § 80.7).
   (1) IMO Resolution A.694(17), as revised by IMO Resolution MSC.149(77)
   (2) ITU-T E.161.
   (3) ITU-T E.164.1.
   (4) IEC 60092–101.
   (5) IEC 60533.
   (6) IEC 60945.
   (7) ISO Standard 3791.

(c) The equipment specified in this subpart must also conform to the appropriate performance standards listed in paragraphs (c)(1) through (12) of this section, which are incorporated by reference (see § 80.7), and must be tested in accordance with the applicable IEC testing standards listed in paragraph (c)(13) of this section, which are also incorporated by reference. (See § 80.7).
   (1) NAVTEX receivers:
      (i) IMO Resolution A.525(13), as revised by IMO Maritime Safety Committee (MSC) Resolution MSC.149(77).
   (2) VHF radio equipment:
      (i) IMO Resolution A.803(19), as amended by IMO Resolution MSC.68(68).
   (3) MF radio equipment:
      (i) IMO Resolution A.804(19), as amended by IMO Resolution MSC.68(68).
   (4) MF/HF radio equipment:
      (i) IMO Resolution A.806(19), as amended by IMO Resolution MSC.68(68).
   (5) 406.0–406.1 MHz EPIRBs:
      (i) IMO Resolution A.810(19), as amended by IMO Resolution MSC.56(66) and IMO Resolution MSC.120(74).
      (ii) IMO Resolution A.662(16).
      (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), as amended by IMO Resolution MSC.247(83).
   (7) Two-Way VHF radiotelephone:
      (i) IMO Resolution A.808(19), as revised by IMO Resolution MSC.149(77).
      (ii) IMO Resolution MSC.80(70).
   (8) INMARSAT Ship Earth Station Capable of Two-Way Communications: IMO Resolution A.808(19).
   (9) INMARSAT–C SES: IMO Resolution A.807(19), as amended by IMO Resolution MSC.68(68).
   (10) INMARSAT EGC: IMO Resolution A.664(16).
   (11) Shipboard radar:
      (i) IEC 60945.
      (iii) IMO Resolution A.694(17).
      (iv) IMO Resolution MSC.191(79).
      (v) IMO Resolution MSC.192(79).
      (vi) ITU-R M.1177-3.
   (12) Automatic Identification Systems (AIS):
      (i) ITU-R M.1371-3.
      (ii) IMO Resolution MSC.74(69).
      (iii) IEC 61165-1.
      (iv) IEC 61193-2.
      (v) Standards for testing GMDSS equipment:
         (i) IEC 61097-1.
         (ii) IEC 61097-3.
         (iii) IEC 61097-4.
         (iv) IEC 61097-6.
         (v) IEC 61097-7.
§ 80.1105 Maintenance requirements.

(a) Equipment must be so designed that the main units can be replaced readily, without elaborate recalibration or readjustment. Where applicable, equipment must be constructed and installed so that it is readily accessible for inspection and on-board maintenance purposes. Adequate information must be provided to enable the equipment to be properly operated and maintained (see IMO Resolution A.569(14)).

(b) Radio equipment required by this subpart must be maintained to provide the availability of the functional requirements specified in §80.1081 and to meet the performance standards specified in §80.1101.

(c) On ships engaged on voyages in sea areas A1 and A2, the availability must be ensured by duplication of equipment, shore-based maintenance, or at-sea electronic maintenance capability, or a combination of these.

(d) On ships engaged on voyages in sea areas A3 and A4, the availability must be ensured by using a combination of at least two of the following methods: duplication of equipment,