

(1) NMEA 0400, Installation Standard for Marine Electronic Equipment used on Moderate-Sized Vessels, Version 3.10, February 2012, IBR approved for § 164.46.

(2) [Reserved]

(g) Radio Technical Commission for Maritime Services (RTCM), 1611 N. Kent St., Suite 605, Arlington, VA 22209, 703-527-2000, [www.rtcn.org](http://www.rtcn.org):  
(1) RTCM Paper 12-78/DO-100, Minimum Performance Standards, Loran C Receiving Equipment, 1977, IBR approved for § 164.41.

(2) RTCM Paper 71-95/SC112-STD, RTCM Recommended Standards for Marine Radar Equipment Installed on Ships of Less Than 300 Tons Gross Tonnage, Version 1.1, October 10, 1995, IBR approved for § 164.72.

(3) RTCM Paper 191-93/SC112-X, RTCM Recommended Standards for Marine Radar Equipment Installed on Ships of 300 Tons Gross Tonnage and Upwards, Version 1.2, December 20, 1993, IBR approved for § 164.72.

#### § 164.43 [Removed]

■ 40. Remove § 164.43.

■ 41. Revise § 164.46 to read as follows:

#### § 164.46 Automatic Identification System.

(a) *Definitions.* As used in this section—Automatic Identification Systems or AIS means a maritime navigation safety communications system standardized by the International Telecommunication Union (ITU), adopted by the International Maritime Organization (IMO), that—

(1) Provides vessel information, including the vessel's identity, type, position, course, speed, navigational status and other safety-related information automatically to appropriately equipped shore stations, other ships, and aircraft;

(2) Receives automatically such information from similarly fitted ships, monitors and tracks ships; and

(3) Exchanges data with shore-based facilities.

*Gross tonnage* means tonnage as defined under the International Convention on Tonnage Measurement of Ships, 1969.

*International voyage* means a voyage from a country to which the present International Convention for the Safety of Life at Sea applies to a port outside such country, or conversely.

*Properly installed, operational* means an Automatic Identification System (AIS) that is installed and operated using the guidelines set forth by the International Maritime Organization (IMO) Resolution A.917(22) and Safety of Navigation Circulars (SN/Circ.) 227, 244, 245, and SN.1/Circ.289; or National

Marine Electronics Association (NMEA) Installation Standard 0400-3.10 in lieu of SN/Circ.227 and 245 (incorporated by reference, see § 164.03).

(b) *AIS carriage—(1) AIS Class A device.* The following vessels must have on board a properly installed, operational Coast Guard type-approved AIS Class A device:

(i) A self-propelled vessel of 65 feet or more in length, engaged in commercial service.

(ii) A towing vessel of 26 feet or more in length and more than 600 horsepower, engaged in commercial service.

(iii) A vessel that is certificated to carry more than 150 passengers.

(iv) A self-propelled vessel engaged in dredging operations in or near a commercial channel or shipping fairway in a manner likely to restrict or affect navigation of other vessels.

(v) A self-propelled vessel engaged in the movement of—

(A) Certain dangerous cargo as defined in subpart C of part 160 of this chapter, or

(B) Flammable or combustible liquid cargo in bulk that is listed in 46 CFR 30.25-1, Table 30.25-1.

(2) *AIS Class B device.* Use of a Coast Guard type-approved AIS Class B device in lieu of an AIS Class A device is permissible on the following vessels if they are not subject to pilotage by other than the vessel Master or crew:

(i) Fishing industry vessels;

(ii) Vessels identified in paragraph

(b)(1)(i) of this section that are certificated to carry less than 150 passengers and that—

(A) Do not operate in a Vessel Traffic Service (VTS) or Vessel Movement Reporting System (VMRS) area defined in Table 161.12(c) of § 161.12 of this chapter, and

(B) Do not operate at speeds in excess of 14 knots; and

(iii) Vessels identified in paragraph

(b)(1)(iv) of this section engaged in dredging operations.

*Note to paragraph (b):* Under 33 U.S.C. 1223(b)(3) and 33 CFR 160.111, a Coast Guard Captain of the Port (COTP) may restrict the operation of a vessel if he or she determines that by reason of weather, visibility, sea conditions, port congestion, other hazardous circumstances, or the condition of such vessel, the restriction is justified in the interest of safety. In certain circumstances, if a COTP is concerned that the operation of a vessel not subject to § 164.46 would be unsafe, the COTP may determine that voluntary installation of AIS by the operator would mitigate that concern.

(c) *SOLAS provisions.* The following self-propelled vessels must comply with International Convention for Safety of

Life at Sea (SOLAS), as amended, Chapter V, regulation 19.2.1.6 (Positioning System), 19.2.4 (AIS Class A), and 19.2.3.5 (Transmitting Heading Device) or 19.2.5.1 (Gyro Compass) as applicable (Incorporated by reference, see § 164.03):

(1) A vessel of 300 gross tonnage or more, on an international voyage.

(2) A vessel of 150 gross tonnage or more, when carrying more than 12 passengers on an international voyage.

(d) *Operations.* The requirements in this paragraph are applicable to any vessel equipped with AIS.

(1) Use of AIS does not relieve the vessel of the requirements to sound whistle signals or display lights or shapes in accordance with the International Regulations for Preventing Collisions at Sea, 1972 (72 COLREGS), 28 U.S.T. 3459, T.I.A.S. 8587, or Inland Navigation Rules, 33 CFR part 83; nor of the radio requirements of the Vessel Bridge-to-Bridge Radiotelephone Act, 33 U.S.C. 1201-1208, part 26 of this chapter, and 47 CFR part 80.

(2) AIS must be maintained in effective operating condition, which includes—

(i) The ability to reinitialize the AIS, which requires access to and knowledge of the AIS power source and password;

(ii) The ability to access AIS information from the primary conning position of the vessel;

(iii) The accurate broadcast of a properly assigned Maritime Mobile Service Identity (MMSI) number;

(iv) The accurate input and upkeep of all AIS data fields and system updates; and

(v) For those vessels denoted in paragraph (b) of this section, the continual operation of AIS and its associated devices (e.g., positioning system, gyro, converters, displays) at all times while the vessel is underway or at anchor, and, if moored, at least 15 minutes prior to getting underway; except when its operation would compromise the safety or security of the vessel or a security incident is imminent. The AIS should be returned to continuous operation as soon as the compromise has been mitigated or the security incident has passed. The time and reason for the silent period should be recorded in the ship's official log and reported to the nearest Captain of the Port or Vessel Traffic Center (VTC).

(3) AIS safety-related text messaging must be conducted in English and solely to exchange or communicate pertinent navigation safety information (analogous to a SECURITE broadcast). Although not prohibited, AIS text messaging should not be relied upon as the primary means for broadcasting