

into water from a height of 6 meters (20 feet).

(o) The EPIRB must meet the technical standards when plunged into sea water at +20 degrees Celsius after storage at a temperature of +50 degrees Celsius.

(p) If testing of an EPIRB with Coast Guard coordination is not possible, brief operational tests are authorized provided the tests are conducted within the first five minutes of any hour for not more than 10 seconds.

(q) The EPIRB must automatically turn off after 24 hours ± 5 percent. It must be possible to restart the transmission sequence by placing the on-off switch momentarily in the off position and returning it to the on position.

(r) The EPIRB must be equipped with a visual indication of a low battery condition.

(s) The EPIRB must have a designation that indicates it is a "Class C" EPIRB.

[51 FR 31213, Sept. 2, 1986, as amended at 58 FR 33344, June 17, 1993]

§ 80.1059 Special requirements for Class S EPIRB stations.

(a) A Class S EPIRB station must be able to float or be permanently secured to a survival craft.

(b) A Class S EPIRB able to float must meet the following:

(1) Be watertight and float in calm water with at least 5 cm (2 in.) of the EPIRB out of the water and the base of the antenna at least 5 cm (2 in.) above the water, with the antenna in a vertical position completely above the water surface;

(2) Be ballasted to right itself from a position 90 degrees from its upright position in one second or less;

(3) Meet the requirements in § 80.1053 (a)(4) through (9) after free fall into water 3 times from a height of 20 meters (67 ft.).

(c) A Class S EPIRB intended to be permanently secured to a survival craft is not required to float in water.

(d) Additionally, all Class S EPIRB's must meet the following:

(1) Be capable only of manual activation by an on-off switch protected by a guard to prevent inadvertent operation;

(2) Be designed to be deployed, its controls actuated, or its antenna erected, each by a single action task which can be performed by either hand;

(3) Meet the requirements in §§ 80.1053 (a)(4) through (a)(8) and (b) through (i) of this part;

(4) Class S EPIRBs may provide either continuous or intermittent operation. If the EPIRB is designed for intermittent operation, the duty cycle must be from 50 to 60 per cent and the period two minutes plus or minus 12 seconds. In either event, the EPIRB must meet the power output characteristics described in § 80.1053(a)(8) of this part;

(5) If testing of an EPIRB with Coast Guard coordination is not possible, brief operational tests are authorized provided the tests are conducted within the first five minutes of any hour and are not longer than three audio sweeps or one second whichever is longer;

(6) Have a designation that indicates it is a "Class S" EPIRB.

(e) Applications for certification must include a letter from the manufacturer stating that the EPIRB meets the requirements in paragraphs (b) and (d), or (c) and (d) of this section.

[51 FR 31213, Sept. 2, 1986, as amended at 56 FR 11517, Mar. 19, 1991; 63 FR 36607, July 7, 1998]

§ 80.1061 Special requirements for 406.025 MHz EPIRBs.

(a) Notwithstanding the provisions in paragraph (b) of this section, 406.025 MHz EPIRBs must meet all the technical and performance standards contained in the Radio Technical Commission for Maritime Services document titled "RTCM Recommended Standards for 406 MHz Satellite Emergency Position-Indicating Radiobeacons (EPIRBs)" dated July 31, 1987, with editorial updates of December 31, 1987 (RTCM Recommended Standards). This RTCM document is incorporated by reference in accordance with 5 U.S.C. 552(a). The document is available for inspection at Commission headquarters in Washington, DC or may be obtained from the Radio Technical Commission for Maritime Services, Post Office Box 19087, Washington, DC 20036.

(b) The 406.025 MHz EPIRB must contain as an integral part a "homing"

beacon operating only on 121.500 MHz that meets all the requirements described in the RTCM Recommended Standards document described in paragraph (a) of this section. The 121.500 MHz “homing” beacon must have a continuous duty cycle that may be interrupted during the transmission of the 406.025 MHz signal only. Additionally, at least 30 percent of the total power emitted during any transmission cycle must be contained within plus or minus 30 Hz of the carrier frequency.

(c) Prior to submitting a certification application for a 406 MHz radiobeacon, the radiobeacon must be certified by a test facility recognized by one of the COSPAS/SARSAT Partners that the equipment satisfies the design characteristics associated with the measurement methods described in Appendix B of the RTCM Recommended Standards.

Additionally, the radiobeacon must be certified by a test facility recognized by the U.S. Coast Guard to certify that the equipment complies with the U.S. Coast Guard environmental and operational requirements associated with the test procedures described in Appendix A of the RTCM Recommended Standards. Information regarding the recognized test facilities may be obtained from Commandant (G-MVI), U.S. Coast Guard, 2100 2nd Street SW., Washington, DC 20593-0001.

(1) After a 406.025 MHz EPIRB has been certified by the recognized test facilities the following information must be submitted in duplicate to the Commandant (G-MVI), U.S. Coast Guard, 2100 2nd Street SW., Washington, DC 20593-0001:

(i) The name of the manufacturer or grantee and model number of the EPIRB;

(ii) Copies of the certificate and test data obtained from the test facility recognized by a COSPAS/SARSAT Partner showing that the radiobeacon complies with the COSPAS/SARSAT design characteristics associated with the measurement methods described in Appendix B of the RTCM Recommended Standards;

(iii) Copies of the test report and test data obtained from the test facility recognized by the U.S. Coast Guard showing that the radiobeacon complies

with the U.S. Coast Guard environmental and operational characteristics associated with the measurement methods described in Appendix A of the RTCM Recommended Standards; and

(iv) Instruction manuals associated with the radiobeacon, description of the test characteristics of the radiobeacon including assembly drawings, electrical schematics, description of parts list, specifications of materials and the manufacturer’s quality assurance program.

(2) After reviewing the information described in paragraph (c)(1) of this section the U.S. Coast Guard will issue a letter stating whether the radiobeacon satisfies all RTCM Recommended Standards.

(d) A certification application for a 406.025 MHz EPIRB submitted to the Commission must also contain a copy of the U.S. Coast Guard letter that states the radiobeacon satisfies all RTCM Recommended Standards, a copy of the technical test data, and the instruction manual(s).

(e) An identification code, issued by the National Oceanic and Atmospheric Administration (NOAA), the United States Program Manager for the 406.025 MHz COSPAS/SARSAT satellite system, must be programmed in each EPIRB unit to establish a unique identification for each EPIRB station. With each marketable EPIRB unit the manufacturer or grantee must include a postage pre-paid registration card printed with the EPIRB identification code addressed to: NOAA/NESDIS, SARSAT Operations Division, E/SP3, Federal Building 4, Washington, DC 20233. The registration card must request the owner’s name, address, telephone number, type of ship, alternate emergency contact and include the following statement: “WARNING—failure to register this EPIRB with NOAA before installation could result in a monetary forfeiture being issued to the owner.”

(f) To enhance protection of life and property it is mandatory that each 406.025 MHz EPIRB be registered with NOAA before installation and that information be kept up-to-date. Therefore, in addition to the identification plate or label requirements contained

in §§ 2.925, 2.926 and 2.1003 of this chapter, each 406.025 MHz EPIRB must be provided on the outside with a clearly discernible permanent plate or label containing the following statement: "The owner of this 406.025 MHz EPIRB must register the NOAA identification code contained on this label with the National Oceanic and Atmospheric Administration (NOAA) whose address is: NOAA, NOAA/SARSAT Operations Division, E/SP3, Federal Building 4, Washington, D.C. 20233." Vessel owners shall advise NOAA in writing upon change of vessel or EPIRB ownership, transfer of EPIRB to another vessel, or any other change in registration information. NOAA will provide registrants with proof of registration and change of registration postcards.

(g) For 406.025 MHz EPIRBs whose identification code can be changed after manufacture, the identification code shown on the plate or label must be easily replaceable using commonly available tools.

[53 FR 37308, Sept. 26, 1988, as amended at 56 FR 11517, Mar. 19, 1991; 59 FR 35269, July 11, 1994; 63 FR 36607, July 7, 1998]

Subpart W—Global Maritime Distress and Safety System (GMDSS)

GENERAL PROVISIONS

This subpart contains the rules applicable to the Global Maritime Distress and Safety System (GMDSS). Every ship of the United States subject to part II of title III of the Communications Act or the Safety Convention must comply with the provisions of this subpart. The rules in this subpart are to be read in conjunction with the applicable requirements contained elsewhere in this part; however, in case of conflict, the provisions of this subpart shall govern with respect to the GMDSS. For the purposes of this subpart, distress and safety communications include distress, urgency, and safety calls and messages.

SOURCE: 57 FR 9065, Mar. 16, 1992, unless otherwise noted.

NOTE: No provision of this subpart is intended to eliminate, or in anyway modify, other requirements contained in this part with respect to part II of title III of the Communications Act.

§ 80.1065 Applicability.

(a) The regulations contained in § 80.1119 apply to public coast stations and coast earth stations as of February 1, 1992.

(b) The regulations contained within this subpart apply to all passenger ships regardless of size and cargo ships of 300 tons gross tonnage and upwards as follows:

(1) Ships must comply with §§ 80.1085(a)(4) and 80.1085(a)(6) not later than August 1, 1993.

(2) Ships constructed on or after February 1, 1992, must comply with § 80.1095 as of that date. All other ships must comply with § 80.1095 as of February 1, 1995.

(3) Ships constructed on or after February 1, 1995, must comply with all requirements of this subpart.

(4) Ships constructed before February 1, 1995, must comply with all requirements of this subpart as of February 1, 1999.

(5) During the period between February 1, 1992, and February 1, 1999, all ships must comply with:

(i) The requirements of this subpart;

(ii) The requirements of chapter IV of the International Convention for the Safety of Life at Sea, 1974, in force prior to February 1, 1992 (see subparts Q and R of this part); or

(iii) The requirements of either § 80.836 or § 80.933.

(6) The expression "ships constructed" means "ships the keels of which are laid, or construction identifiable with a specific ship begins and assembly of that ship has commenced comprising at least 50 tons gross tonnage or 1% of the estimated mass of all structural material, whichever is less.

(c) The requirements of this subpart do not modify the requirements for ships navigated on the Great Lakes or small passenger boats. The requirements contained in the Agreement Between the United States of America and Canada for Promotion of Safety on the Great Lakes by Means of Radio, 1973, continue to apply (see subpart T of this part). The requirements contained in part III of title III of the Communications Act continue to apply (see subpart S of this part).