

(b) * * *

(6) Responsible for ensuring that the ship's navigation position is entered into all installed DSC equipment, either automatically through a connected or integral navigation receiver, or manually at least every four hours when the ship is underway.

■ 99. Section 80.1074 is amended by revising paragraph (b)(2) and removing paragraph (b)(3) to read as follows:

§ 80.1074 Radio maintenance personnel for at-sea maintenance.

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(b) * * *

(2) GB: GMDSS Operator's/Maintainer's License.

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■ 100. Section 80.1077 is revised to read as follows:

§ 80.1077 Frequencies.

The following table describes the frequencies used in the Global Maritime Distress and Safety System:

Alerting:		
406.0–406.1 EPIRBs	406.0–406.1 MHz (Earth-to-space).	
	1544–1545 MHz (space-to-Earth).	
INMARSAT Ship Earth Stations capable of voice and/or direct printing.	1626.5–1645.5 MHz (Earth-to-space).	
VHF DSC Ch. 70	156.525 MHz ¹ .	
MF/HF DSC ^{2 11}	2187.5 kHz ³ , 4207.5 kHz, 6312 kHz, 8414.5 kHz, 12577 kHz, and 16804.5 kHz.	
On-scene communications:		
VHF Ch. 16	156.8 MHz.	
MF Radiotelephony	2182 kHz.	
NBDP	2174.5 kHz.	
Communications involving aircraft:		
On-scene, including search and rescue	156.8 MHz ⁴ , 121.5 MHz ⁵ , 123.1 MHz 156.3 MHz, 2182 kHz, 3023 kHz, 4125 kHz, and 5680 kHz ⁶ .	
Locating signals:		
406–406.1 EPIRB Beacons	121.5 MHz.	
9 GHz radar transponders	9200–9500 MHz.	
Maritime safety information (MSI):		
International NAVTEX	518 kHz ⁷	
Warnings	490 kHz, 4209.5 kHz.	
NBDP	4210 kHz, 6314 kHz, 8416.5 kHz, 12579 kHz, 16806.5 kHz, 19680.5 kHz, 22376 kHz, 26100.5 kHz.	
Satellite	1530–1545 MHz ¹⁰ .	
General distress and safety communications and calling:		
Satellite	1530–1544 MHz (space-to-Earth) and 1626.5–1645.5 MHz (Earth-to-space) ¹⁰ .	
Radiotelephony	2182 kHz, 4125 kHz, 6215 kHz, 8291 kHz, 12290 kHz, 16420 kHz, and 156.8 MHz.	
NBDP	2174.5 kHz, 4177.5 kHz, 6268 kHz, 8376.5 kHz, 12520 kHz, and 16695 kHz.	
DSC	2187.5 kHz, 4207.5 kHz, 6312 kHz, 8414.5 kHz, 12577 kHz, 16804.5 kHz, and 156.525 MHz.	
Survival craft:		
VHF radiotelephony	156.8 MHz and one other 156–174 MHz frequency.	
9 GHz radar transponders	9200–9500 MHz.	

¹ Frequency 156.525 MHz can be used for ship-to-ship alerting and, if within sea area A1, for ship-to-shore alerting.

² For ships equipped with MF/HF equipment, there is a watch requirement on 2187.5 kHz, 8414.5 kHz, and one other frequency.

³ Frequency 2187.5 kHz can be used for ship-to-ship alerting and, if within sea areas A2, for ship-to-shore alerting.

⁴ Frequency 156.8 MHz may also be used by aircraft for safety purposes only.

⁵ Frequency 121.5 MHz may be used by ships for aeronautical distress and urgency purposes.

⁶ The priority of use for ship-aircraft communications is 4125 kHz, then 3023 kHz. Additionally, frequencies 123.1 MHz, 3023 kHz and 5680 kHz can be used by land stations engaged in coordinated search and rescue operations.

⁷ The international NAVTEX frequency 518 kHz is the primary frequency for receiving maritime safety information. The other frequencies are used only to augment the coverage or information provided on 518 kHz.

⁸ [Reserved.]

⁹ [Reserved.]

¹⁰ In addition to EPIRBs, 1544–1545 MHz can be used for narrowband distress and safety operations and 1645.5–1646.5 MHz can be used for relay of distress alerts between satellites. Feeder links for satellite communications are assigned from the fixed satellite service, see 47 CFR § 2.106.

¹¹ Routine calling is not permitted on MF and HF DSC frequencies.

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■ 101. Section 80.1083 is amended by adding paragraph (d) to read as follows:

§ 80.1083 Ship radio installations.

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(d) A Shipborne Integrated Radiocommunication System (IRCS) may be utilized to integrate all GMDSS equipment into a standard operator's

console. Such installation must be type accepted in accordance with § 80.1103 and meet the requirements of IMO Assembly Resolution A.811(19), "Performance Standards for a Shipborne Integrated Radiocommunication System (IRCS) When Used in the GMDSS," with Annex, adopted 23 November 1995. IMO Assembly Resolution A.811(19) with Annex is incorporated by

reference. The Director of the Federal Register approves this incorporation by reference in accordance with 5 U.S.C. 552(a) and 1 CFR Part 51. Copies of this standard can be inspected at the Federal Communications Commission, 445 12th Street, SW., Washington, DC (Reference Information Center) or at the Office of the Federal Register, 800 North Capitol Street, NW, Suite 700, Washington, DC.