

FCC Commercial License:

GMDSS Maintainer's License (DM)

The DM qualifies personnel as GMDSS radio maintainers to perform at sea repair and maintenance of GMDSS equipment and is required to repair and maintain the new satellite-based marine emergency equipment. The DM also confers the operating authority of the General Radiotelephone Operator License (PG) and the Marine Radio Operator Permit (MP). Holders of the GMDSS Maintainer's license may NOT operate GMDSS equipment.

To qualify, you must:

- be a legal resident of (or otherwise eligible for employment in) the United States; and
- be able to receive and transmit spoken messages in English; and
- pass a written and/or telegraphy examination(s) as described below under Examinations.

To obtain the GMDSS/DM you must pass written examinations covering (Element 1), radio law, electronic fundamentals and techniques required to adjust, repair and maintain radio transmitters and receivers, and also (Element 9) GMDSS radio maintaining practices. Applicants must submit, to the FCC Commission, proof of passing written and/or telegraphy Elements as illustrated in the following table.

The GMDSS (DM) Licenses are issued for the holder's **lifetime**.

View Complete Exam Elements Table	FCC Acronym	Examination Elements								Term			
		Written				Telegraphy							
		1	3	5	6	7	8	9	1		2	3	4
GMDSS Radio Maintainer's License	DM	•	•					•					LIFE
About GMDSS (DM) Written Elements													
Element	Overview												
1	Basic radio law and operating practice												
3	Electronic fundamentals and techniques required to adjust, repair and maintain radio transmitters and receivers. The exam includes questions from the following categories: operating procedures, radio wave propagation, radio practice, electrical principles, circuit components, practical circuits, signals and emissions, antennas and feed lines.												
9	GMDSS Radio Maintenance Practices and Procedures which covers requirements set forth in IMO assembly on Training for Radio Personnel (GMDSS), Annex 5 and IMO Assembly on Radio Maintenance Guidelines for the Global Maritime Distress and Safety System related to Sea Areas A3 and A4. The exam consists of questions from the following categories: radio system theory, amplifiers, power sources, troubleshooting, digital theory, and GMDSS equipment and regulations.												