

Tests and checks are to be recorded in the GMDSS Radio Log Book

Remarks:

- The proper operation of the DSC facilities shall be tested at least once a week by means of a test call, when within communication range of a coast station fitted with DSC equipment. Where a ship has been out of communication range of a coast station fitted with MF DSC equipment for a period of longer than one week, a test call shall be made on the first opportunity that the ship is within communication range of such a coast station.
- INMARSAT-equipment; make a call via earth station, e.g. a test call or link test.
- Portable VHF radio transceiver; control state of batteries.
- EPIRBs: inspect and make sure that the container and mounting are clean and intact.
- Where the reserve source of energy, is not a battery (for example, an UPS or a motor generator), the reserve source of energy shall be tested weekly.
- Batteries forming part of a two-way radiotelephone apparatus for survival craft shall be tested and, where appropriate, brought up to the fully charged condition. Where non-rechargeable batteries are provided as a source of energy the batteries shall be checked and replaced if necessary.

Daily use of the radio equipment may replace a testing; e.g. replace test calls to a coast radio station.

- Each EPIRB shall be checked to determine its capability to operate properly using the self test function (Please refer to the manufacturer's instructions for details on how to perform the self test) without using the satellite system. Also inspect mounting for any signs of damage.
- SART – integrated test facility; control expiration date of the battery. Each search and rescue radar transponder (SART) shall be checked for security and signs of damage and as stated in manufacturer's instructions. SARTs sealed in life rafts can only be tested when life raft is at a service station. DO NOT open life raft.
- The ships mobile VHF GMDSS equipment shall be tested on a frequency other than 156.8 MHz (VHF Channel 16); Do not use the sealed batteries for testing.
- Batteries providing a source of energy for any part of the radio installation shall be tested by means of a hydrometer where practicable or, where a hydrometer cannot be used, by a suitable load test. A check shall also be made of the security of the battery and its connections and the conditions of the battery and its compartment.
- Visual check the condition of the antennae systems. Keep them clean, remove salt deposit, and control cables and insulators.

- The EPIRBs are tested as part of the radio survey and according to MSC.1/Circ.1040/Rev.2., Guidelines on annual testing of 406 MHz satellite EPIRBs.
- The battery capacity has to be tested at least once a year. The test is normally performed as a part of the yearly radio survey. For example, this practical test procedure: Batteries providing a source of energy for any part of the radio installation shall be tested by switching off the fuses for 1 hour (on ships provided with an emergency supply which is adequate to operate the radiocommunication equipment for a period of 18 hours on cargo ships and 36 hours on passenger ships) or 6 hours (on ships not provided with an emergency supply) and measure the voltage on the emergency radio batteries during the period. When using the VHF, during the test, the voltage should not drop more than 10%. Remember to switch on the fuses when the test is completed.

Correction sheet for GMDSS Radio Log Book

We have made amendments to the required testing of batteries on page 4.

| Test of Equipment and Reserve Energy Checks | |
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| Tests and checks are to be recorded in the GMDSS Radio Log Book | |
| <u>Daily</u> | Remarks: |
| <ul style="list-style-type: none">The proper functioning of the DSC facilities shall be tested at least once each day, without radiation of signals, by use of the equipment's internal test facility.INMARSAT-equipment; check log on, signal strength and ocean region.Check that the automatic position updating system in DSC and INMARSAT, normally GPS.Batteries providing a source of energy for any part of the radio installations shall be tested daily and, where necessary, brought up to the fully charged condition.Check if all printers have adequate paper supply. | |
| <u>Weekly</u> | |
| <ul style="list-style-type: none">The proper operation of the DSC facilities shall be tested at least once a week by means of a test call, when within communication range of a coast station fitted with DSC equipment. Where a ship has been out of communication range of a coast station fitted with MF DSC equipment for a period of longer than one week, a test call shall be made on the first opportunity that the ship is within communication range of such a coast station.INMARSAT-equipment; make a call via earth station, e.g. a test call or link test.Portable VHF radio transceiver; control state of batteries.EPIRBs; inspect and make sure that the container and mounting are clean and intact.Where the reserve source of energy, is not a battery (for example, an UPS or a motor generator), the reserve source of energy shall be tested weekly.Batteries forming part of a two-way radiotelephone apparatus for survival craft shall be tested and, where appropriate, brought up to the fully charged condition. Where non-rechargeable batteries are provided as a source of energy the batteries shall be checked and replaced if necessary. | |
| <small>Daily use of the radio equipment may replace a testing; e.g. replace test calls to a coast radio station.</small> | |
| <u>Monthly</u> | |
| <ul style="list-style-type: none">Each EPIRB shall be checked to determine its capability to operate properly using the self test function (Please refer to the manufacturer's instructions for details on how to perform the self test) without using the satellite system. Also inspect mounting for any signs of damage.SART – integrated test facility; control expiration date of the battery. Each search and rescue radar transponder (SART) shall be checked for security and signs of damage and as stated in manufacturer's instructions. SARTs sealed in life rafts can only be tested when life raft is at a service station. DO NOT open life raft.The ships mobile VHF GMDSS equipment shall be tested on a frequency other than 156.8 MHz (VHF Channel 16); Do not use the sealed batteries for testing.Batteries providing a source of energy for any part of the radio installation shall be tested by means of a hydrometer where practicable or, where a hydrometer cannot be used, by a suitable load test. A check shall also be made of the security of the battery and its connections and the conditions of the battery and its compartment.Visual check the condition of the antennae systems. Keep them clean, remove salt deposit, and control cables and insulators. | |
| <u>Yearly</u> | |
| <ul style="list-style-type: none">The EPIRBs are tested as part of the radio survey and according to MSC.1/Circ.1040/Rev.2., Guidelines on annual testing of 406 MHz satellite EPIRBs.The battery capacity has to be tested at least once a year. The test is normally performed as a part of the yearly radio survey. For example, this practical test procedure: Batteries providing a source of energy for any part of the radio installation shall be tested by switching off the fuses for 1 hour (on ships provided with an emergency supply which is adequate to operate the radiocommunication equipment for a period of 18 hours on cargo ships and 36 hours on passenger ships) or 6 hours (on ships not provided with an emergency supply) and measure the voltage on the emergency radio batteries during the period. When using the VHF, during the test, the voltage should not drop more than 10%. Remember to switch on the fuses when the test is completed. | |

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Yearly

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