

	HEALTH, SAFETY, ENVIRONMENT AND QUALITY MANAGEMENT SYSTEM 83.0: GMDSS Battery off-load/on-load voltage test ON THE JOB TRAINING	OJT : 083 Page : 1 of 1 Date : 07 Nov 25 Rev : 01 Appr : DPA
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VESSEL : _____

DATE : _____

Details of training: GMDSS Battery off-load/on-load voltage test

Test procedure

1. Turn off the AC power supply to the GMDSS equipment.
2. Ensure all other power sources charging the battery are also switched off.
3. Record the initial voltage of the battery once the GMDSS equipment starts receiving battery power.
At this stage **battery is off-load** when equipment is not transmitting.
4. Press the Push-to-Talk (PTT) button to transmit on a non-distress and idle Radio Telephony (R/T) frequency. **Battery is on-load** when equipment is transmitting.
5. Record the voltage under load when the PTT button is pressed.
6. Ensure the **voltage drop does not exceed 1.5 volts**. A larger drop may indicate battery issues.

Purpose of above test

The daily off-load/on-load voltage check for a ship's GMDSS MF/HF is meant for ensuring the equipment's reliability and readiness in case of an emergency. Here are the main purposes:

1. Verify Battery Connections between the battery and the equipment are intact and functioning properly.
2. The voltage of the battery does not drop too quickly under load, indicating the battery's ability to supply consistent power.
3. To identify potential issues early.
4. Ensuring that the GMDSS equipment can be powered by the battery in case of emergency.

This procedure helps ensure that the battery can supply consistent power to the GMDSS equipment and is ready for use in an emergency.

Above has been read, practically test carried out and understood.

C/O

2/O

3/O

D/C

Verified by: Master _____

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