



Service Suppliers Requirements

FIRMS ENGAGED IN THE SERVICING AND TESTING OF RADIO COMMUNICATION EQUIPMENT AND FIRMS OR PERSONS ENGAGED IN SAFETY RADIO SURVEYS (RADIO TECHNICIAN)

- Extent of engagement—Inspection, testing, and/or measurement of radio equipment aboard Ships compliance with SOLAS regulations
- Reference documents – The supplier shall have access to SOLAS-1974, as amended, IMO Resolution A.789 (19): Specification on the Survey and Certification functions of Recognized Organizations acting on behalf of the Administration, ITU Radio Regulations, and IMO Performance Standards as well as relevant parts, if any, of the PMDS-Head Office Guidelines.
- Radio Technician or Radio Inspector – The Inspector shall have an education from a technical school and also have experience as a Radio Inspector and should preferably hold a General Operator’s Certificate (GOC). The Inspector carrying out the inspection shall have passed the internal training of the supplier in Radiotelephony, GMDSS, and Initial, Annual and Renewal Safety Radio Surveys, as applicable.
- Equipment
 - ✓ The supplier shall have the major and auxiliary equipment required for correctly performing the inspection. A record of the equipment used shall be kept. The record shall contain information on the manufacturer and type of equipment, and a log of maintenance and calibration.
 - ✓ Standard which is relevant to the radio equipment to be tested shall be available for the equipment and shall be cited in the inspection report.
 - ✓ For equipment employing software in conjunction with testing/examination, this software shall be fully described and verified.



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- Minimum required instruments:
 - ✓ Equipment for measuring frequency, voltage, current and resistance.
 - ✓ Equipment for measuring output and reflect effect on VHF and MF/HF
 - ✓ Equipment for measuring modulation on MF/HF and VHF (AM, FM, PM)
 - ✓ Acid tester for checking specific gravity of lead batteries.
 - ✓ Tester for checking of correct output from Free-Float Satellite EPIRB

- Procedures and instructions – The supplier shall have documented procedures and instructions for how to carry out testing and examination of radio equipment. Procedures and instructions for operating each item of the testing/inspection equipment shall also be kept and be available at all times.