



Our company, in collaboration with exclusive network of our service partners, is able to carry out Annual Radio Surveys including reprogramming of **GMDSS / Radio and Nav equipment's**, as required during change of Flag / Management or Ownership , We are able to carry out Radio Surveys for Classes such as **Bureau Veritas (BV), American Bureau of Shipping (ABS), Det Norske Veritas-Germanischer Lloyd (DNV-GL), Korean Register of Shipping (KR), Lloyd's Register (LR), Nippon Kaiji Kyokai (ClassNK), Registro Italiano Navale (RINA) & also Non-IACS Societies based on customer requirements.**



Annual Radio Survey – Full Scope (GMDSS)

(as required by IMO, SOLAS Ch. IV, ITU, and Classification Society rules)

1. GMDSS Radio Console & Communications Equipment

- VHF DSC set – operation, DSC test, channel performance, antenna condition
- MF/HF DSC radio – DSC test (test coast station), frequency checks, power output
- VHF handhelds (GMDSS-approved) – battery expiry, charger test, spare batteries
- NAVTEX receiver – self-test, printer/record log check, proper MSI reception
- AIS – functionality, static & voyage data verification
- Inmarsat-C / Fleet / SAT-C terminal – sending/receiving test messages (LES/MES)

2. Distress & Safety Systems

- EPIRB – programming verification, battery expiry, HRU expiry, transmission test (programmer / beacon tester)
- SART / AIS-SART – battery expiry, self-test, mounting & stowage
- DSC functions on all relevant equipment
- GMDSS alarms and indicators functionality
- Reserve power supply test (battery capacity, load testing, switchover time, charger/rectifier check)

3. Antennas, Wiring & Earth/Ground Systems

- VHF antenna & coaxial check
- MF/HF antenna (insulators, tuning unit & connections)
- GPS antenna feeding AIS / GMDSS systems
- SSAS/GMDSS antenna visual checks
- Grounding continuity and corrosion/loose fittings

4. Navigation Equipment (Radio-based)

- GPS / GNSS receiver – accuracy check
- DGPS (if fitted) – correction reception test
- VDR-S/VDR – data saving, capsule status, battery expiry
- Radar performance test (basic function, alarm test)
- AIS integration test with bridge systems
- BNWAS alarm test
- Gyro repeater check (if part of integrated system)



Additional Items During Change of Flag / Management / Ownership

(Reprogramming, documentation updates, compliance alignment)

A. Reprogramming / Configuration Updates

1. EPIRB Reprogramming

- New MMSI



- New vessel name / call sign
 - New flag details (country code)
 - New IMO number verification
 - Registration with new flag authority
- 2. Inmarsat-C / SAT-C (GMDSS Terminal)**
- Reprogram Forward ID / LES code
 - Update vessel name, call sign, MMSI
 - New DNID / NCS updates (if required)
 - Test messages to LES / RCC under new MMSI
 - Deactivation of old Flag registration
 - Activation of new account with service provider

3. AIS Static Data Update

- MMSI
- Call sign
- Vessel name
- Ship type & dimensions (verify against CSR)

4. MF/HF / VHF DSC

- MMSI update
- Call sign change
- Re-registration with new flag

B. SSAS (Ship Security Alert System)

- Reprogram all SSAS IDs
- Update CSO email, company contacts, RCC/flag notification routes
- Conduct test alerts to new recipients
- Revalidation of activation reporting

C. LRIT / VMS (if applicable)

- LRIT Conformance configuration for new Flag
- Re-commissioning test
- New CSP / ASP assignment

D. Documentation & Certificates

- Issue **GMDSS Safety Radio Certificate** under new Flag
- Radio Logbook verification
- Shore-based Maintenance Agreement update
- Updated Station License (new MMSI, call sign)
- Updated Seal Numbers & Test Reports for:
 - EPIRB
 - SART
 - GMDSS batteries
 - Inmarsat-C
 - VHF/MF/HF DSC tests



E. Physical Identification Updates

- Labeling and markings on:
 - EPIRB
 - Bridge radio consoles
 - AIS static data screen
 - SAT-C terminal



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- Replace nameplates / stickers (new Vessel Name, MMSI, Call Sign)



Final Deliverables of a Complete Survey + Reprogramming

- Annual GMDSS Survey Report
 - GMDSS Safety Radio Certificate (CS/Flag-approved)
 - Reprogramming Certificates:
 - EPIRB reprogramming
 - AIS update
 - Inmarsat-C programming & test report
 - SSAS test report
 - VDR APT (if done at same time)
 - Updated Station License
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