**GMDSS Equipment Testing Radio-Stations**

**Coast Radio Stations for MF/HF DSC Testing**

Based on the map and table provided, here's a consolidated list of stations you can use for testing your GMDSS equipment:

**DSC Test Call Frequencies:**

* 4207.5 kHz (auto-acknowledgment from all USCG stations except Guam)
* 6312 kHz
* 8414.5 kHz
* 12577 kHz
* 16804.5 kHz

**USA/Caribbean**

* Boston (MMSI: 003669991, 8MHz, East coast USA)
* New Orleans (MMSI: 003669908, Caribbean Sea)
* Point Reyes/CAMSPAC (MMSI: 003669990, 4MHz, West coast USA)
* Honolulu (MMSI: 003699993)
* Mobile (MMSI: 003660030, USA)
* Kodiak (MMSI: 003699999)

**Europe/Africa/Middle East**

* Cape Town (MMSI: 006010001, Cape of Good Hope approaches)
* Lyngby (MMSI: 002191000, 2MHz, North/Baltic Seas)
* Madrid (MMSI: 002241008, 8MHz, Mediterranean Sea)
* Istanbul Radio (MMSI: 002711000, 16MHz/12MHz, Black Sea)
* Olympia Radio (MMSI: 002371000, Any frequency, Mediterranean Sea)
* Palermo (MMSI: 002470002, 4MHz, Mediterranean Sea)
* Coruna (MMSI: 002240992, Biscay)
* Humber (MMSI: 002320007, 2MHz, North/Baltic Seas)
* Aberdeen (MMSI: 002320004, 2MHz, North/Baltic Seas)

**Asia/Pacific**

* Shanghai (MMSI: 004122100, Any frequency, China)
* Hong Kong (MMSI: 004773500, Hong Kong)
* Ho Chi Minh-Ville (MMSI: 005741993, 16MHz/12MHz, Vietnam)
* Bangkok (MMSI: 005671000, 8MHz, Thailand)
* Dalian (MMSI: 004121300, 2/4MHz, China)
* Hai Phong (MMSI: 005741996, Vietnam)
* Wiluna (MMSI: 005030001, Australia/Indian Ocean)

 **Required GMDSS Equipment Tests**

**DAILY TESTS**

**VHF DSC**

* Verify internal connections
* Check transmitting power output
* Examine display functionality
* Test DSC system using built-in test function (no signal transmission)

**MF/HF DSC**

* Perform internal test using built-in facility without transmitting signals

**INMARSAT-C**

* Verify proper login status to appropriate Ocean Region
* Check status information displayed on screen header

**Backup Power**

* Examine reserve battery charge status
* Record results in radio log

**Other Daily Checks**

* Verify paper availability in MF/HF, Navtex, and INMARSAT-C printers

**WEEKLY TESTS**

**MF/HF DSC**

* Conduct one test call to a coast station on 2187.5 kHz (MF)
* Conduct one test call on an HF channel
* Options if auto-acknowledgment isn't available:
* Contact station via R/T requesting acknowledgment (e.g., on MF 2189.5/2177 kHz)
* Send test call to nearby vessel with confirmation request

**VHF DSC**

* Conduct internal test between ship's two VHF sets
* Use selective calling between duplicate sets (preferably at low power)
* Ensure automatic acknowledgment feature is active
* No live VHF DSC test required

**MONTHLY TESTS**

**Handheld VHF**

* Test on frequency other than Ch.16 (156.8 MHz)
* Skip if sealed unit makes testing impractical

**406 MHz EPIRB**

* Run self-test function
* Inspect for physical damage
* Check battery expiration date
* Verify HRU (hydrostatic release unit) condition
* Ensure lanyard and water contacts are intact
* Confirm safety clip is properly secured

**AIS-SART**

* Visual inspection
* Check battery expiration date
* Verify legible MMSI label
* Confirm support stand integrity
* When testing in port, notify authorities beforehand
* Verify test success via ship's AIS equipment (AIS unit, ECDIS, radars)

**X-band SART**

* Visual examination
* Check battery expiration date and safety clip position
* Avoid sea-based testing
* Notify port authorities for port-based testing
* For necessary sea-based tests:
* Check 3-cm radar for nearby vessels
* Make safety priority VHF DSC announcement
* Limit SART activation to 2-3 radar sweeps

**GMDSS Batteries**

* Thoroughly examine emergency batteries
* For non-sealed wet cells: inspect each cell individually
* For other battery types: visual examination
* Document results in GMDSS Radio Log
* Replace as needed per manufacturer recommendations

**ANNUAL INSPECTIONS**

* Performed by qualified radio surveyors
* Comprehensive equipment testing using professional GMDSS testers

Remember to maintain proper documentation of all tests in your GMDSS Radio Log.