GMDSS Radio Station
for Sea Area A3
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Raytheon Anschütz GMDSS radio stations have been designed to meet all international standards and requirements of the user, ensuring easy ergonomic operation. The consoles are tailor-made according to the needs of our customers, because each project is different, just like their owners. Therefore it is also possible to integrate a Fleet 77 or Fleet Broadband system into the radio console.

The A3 consoles are equipped with one VHF-DSC (semi-duplex, optional full-duplex) radio. A second VHF is foreseen in the conning position of the vessel, one MF/HF-radiotelephone 150W (optional 250W) with DSC receiver and two Inm Mini C systems with full coverage of Inmarsat C services. For greatly facilitated service and maintenance the consoles are fitted with service doors. The pre-wiring consoles minimize installation time on existing vessels and new builds and contain battery panels, power alarm monitoring, emergency light and power switch (main / emergency). Alarm muting button, large tactile buttons knobs for volume and squelch are standard features of the Raytheon Anschütz GMDSS Radio Station A3.

Your Benefit

- Ruggedized compact design
- Fast and easy installation
- Compact VHF/DSC-radio for conning position
- Easy and intelligent operation
- Integrated power and alarm monitoring
- Built-in DSC and DSC watch-keeping receiver
- Worldwide service network

MF/HF Radiotelephone

A 150 W or 250 W radio (with 1 channel watch receiver) for voice communication. Radio-telex (direct typing) and 6 channel watch receiver can be added optional.

VHF Radiotelephone

The semi-duplex (optional full-duplex) DSC radio can store and replay incoming calls (up to 90 sec). So a missed message can simply be heard again. A standard interface for Voyage Data Recorder is included.

Inmarsat Mini C

One or two Inmarsat communication system(s) including telex, e-mail, SMS, EGC reception and distress message handling. The operation control is done via the 10.4 inch message terminal / keyboard. The transceiver is coming with integrated GPS receiver of own ship's position data. For the secondary Inm Mini C system the LRIT (Long Range Identification and Tracking) function is included. The upgrade for SSAS is also possible.
Technical Data

MF/HF Station
for voice and DSC (Digital SelectiveCalling) data (optional radio-telex)
- Frequency range
  - Rx 150 kHz to 30 MHz
  - Tx 1605 kHz to 30 MHz
- Output power
  - 150 W / 250 W PEP
- Modulation
  - SSB – J3E
  - DSC – J2B
  - AM – A3E

VHF Station
RT5022 (semi-duplex) VHF-Radio with integrated DSC-watch-keeping receiver
- Frequency range
  - All international and US channels up to 30 private channels
  - 149.3 MHz to 163.7 MHz
- Output power
  - 25 W PEP / 1W
- Modulation
  - G3E for telephony
  - G2B for DSC

Satcom Inmarsat Mini C
Inmarsat Mini C-Ship Earth Station with automatic Message- and EGC (Enhanced Group Calling)
- Reception, Integrated GPS Receiver
- Frequency range
  - Rx 1525.0 MHz to 1559.0 MHz
  - Tx 1626.5 MHz to 1660.5 MHz
- Data rate
  - 600 Bit per sec.

Specification Standards
Complies with the Directive 96/98/EC and Directive 2002/75/EC
Parts for external mounting

Either 150 W MF/HF Transceiver or 250 W MF/HF Transceiver (table top console external)

- 150 W MF/HF Transceiver
  - Weight: 19 kg

- Antenna Tuning Unit (ATU)
  - Weight: 3.3 kg

For antenna deck installation

- AC Power Supply
  - Weight: 5 kg

- Battery Charger
  - Weight: 3.5 kg

In conning position

- Control Unit VHF RT 5022
  - Weight: 3.6 kg

- VHF-Handset
  - Weight: 0.4 kg incl. holder

On mast top

- Inmarsat C TT-3005 M
  - Antenna
  - Weight: 0.9 kg

Subject to change due to technical developments without notice.