

GMDSS 5000 Simulator



The GMDSS (Global Maritime Distress and Safety System) Simulator 5000 is designed for the training and examination of ship specialists who receive a General Operator Certificate (GOC) or Restricted Operator Certificate (ROC). Search and Rescue (SAR) operations and VTS operator training is also supported.

Compliance

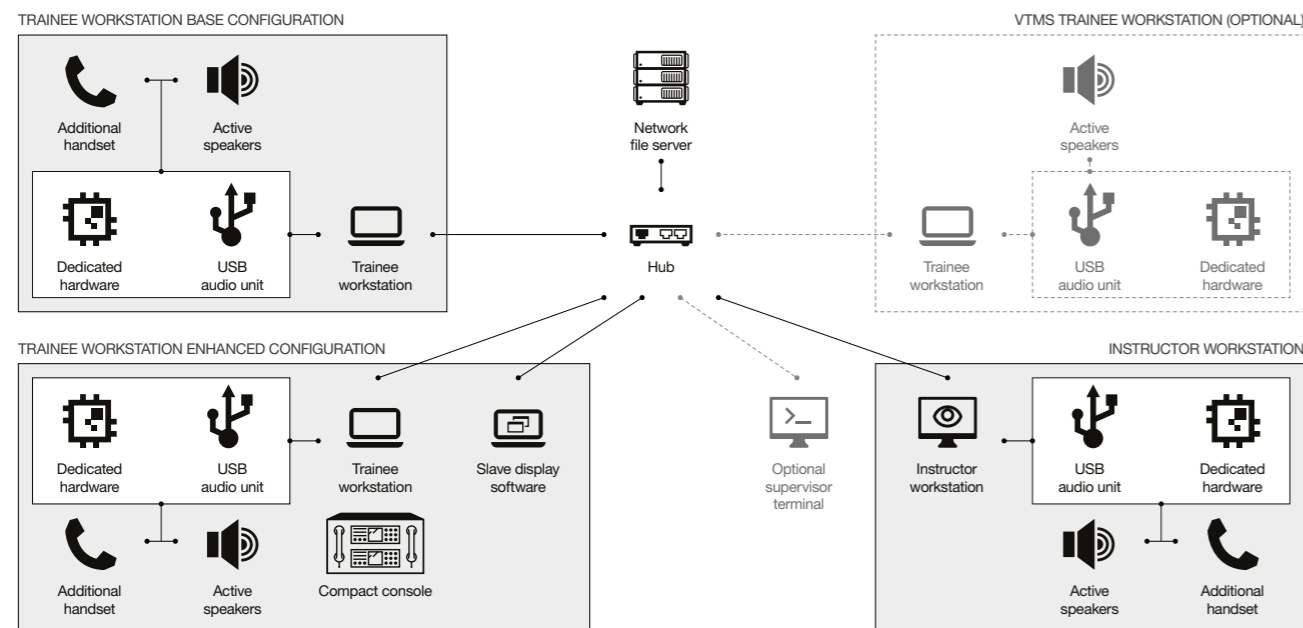
The GMDSS Simulator covers the essential areas of maritime training in full compliance with STCW 1978 Code with Manila 2010 amendments and IMO Model Course 1.25. It has a statement of product quality according to the NK Standard for Certification of Maritime Education and Training Simulator Systems and holds a type approval certificate from the Department of Maritime Transport of Russian Federation (v.8.2). The simulator with touch-screen technology (v.8.3) is approved by the AMERC for the conduct of GOC examinations in place of actual equipment.

Configuration

- Stand alone mode for self-study.
- Network mode for individual and joint training of fleet operators with expert assessment of their competency in accordance with STCW 1978 Code with Manila 2010 amendments. Up to 3 instructor workstations and up to 21 fully interactive trainee workstations.
- VTS operator training. The simulator can include up to 10 VTMS communication operator workstations intended for the training of coast VTMS operators.
- Mobile GMDSS Simulators for Long Range Certificate Examination. Used for local examinations on-site at various radio schools. The networked simulator (one instructor and two trainee workstations) is connected via a wireless LAN and trainees are equipped with touch screens. Designed to be carried in rugged suitcases to allow easy travelling and quick setup on-site.

Precise Simulation of Real GMDSS Equipment

- Simulation of full set of SAILOR 6000 equipment.
- It is possible to use four different types of GMDSS radio equipment, manufactured by S.P.Radio/Thrane&Thrane: SAILOR 6000, SAILOR 5000, SAILOR System 4000 and SAILOR Compact 2000. In addition, the VHF&DSC FURUNO FM-8800S is included.
- Jotron AIS SART as per IMO Resolution MSC.256 (84) as an alternative to 9 GHz SART (from January 1st 2010).
- Simulation of Inmarsat Fleet77, Inmarsat FBB, AIS Class A and Glonass/GPS receiver.
- Each trainee workstation can be supplemented with a compact console including the real control panels from SAILOR Program 6000 units.

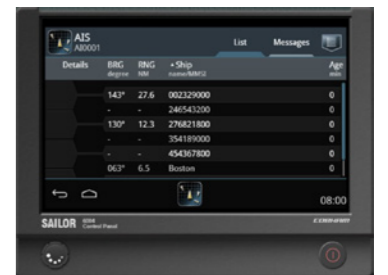


Capabilities

- Simulation of MF/HF/VHF communication in DSC, telephony and telex modes and satellite communication between the workstations (ships), and with coast radio stations for any shipping area.
- Simulation of maritime safety information transmission via SafetyNET, NAVTEX and HF NBDP services.
- Imitation of radio wave propagation using radio ether model, which takes into account the frequency range, time of the day and distance between the stations.
- Conduct SAR operations using the radar for detecting SART marks, prompt change of the ship's course and speed.
- Electronic chart displays coast station databases (with the option to edit by Instructor), GMDSS sea areas, SAR areas, plus the ability to make a rough estimate of the radio waves propagation in the selected frequency band.
- Ability to change from network operation to the single-user mode to provide self-study in Demo, Test and Exam modes.
- Recording and playback of radiotelephone communications.
- Joint operation with navigational simulator.
- Simulation of SAILOR 6391 Navtex receiver.
- Simulation of SAILOR 6282 AIS Transponder.
- Simulation of SAILOR 3771 Alarm Panel FleetBroadband.

Instructor Can Promptly:

- Enter different interference on the selected frequencies.
- Run and control the prepared scenarios.
- Operate in telephone, telex and DSC modes performing functions of a coast telex or phone subscriber, coast radio station and RCC operator.
- Monitor any active trainee workstation screen.



GMDSS Inmarsat-C SAILOR 6110



SAILOR 250 FleetBroadband



VHF DSC SAILOR 6222



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