



## Simulator

### GMDSS Trainer GM 6.0



#### Description:

This simulator is designed for the training of GMDSS radio operators.



#### Purpose:

The Global Maritime Distress and Safety System (GMDSS) simulator creates a realistic environment for training GMDSS operators and radio specialists. It is intended for use in simulator-based training for students, as well as for the assessment of competence and demonstration of professional skills in accordance with the requirements of STCW Code section A-IV/2 and the ITU Radio Regulations, which are conducted using simulators.

The GMDSS simulator can be used to train specialists obtaining General Operator GMDSS Certificates and Restricted Operator GMDSS Certificates.

#### The simulator package includes:

- 1 Instructor WorkPlace,
- From 1 to 32 Student Workplaces,
- Software with a set of training exercises, a system for monitoring and recording operator actions,
- A set of controllers, electronic modules, and network equipment ensuring the simulator's operation,
- Operational documentation.

#### Target group

GMDSS Operators

#### Ship types

All types



#### The software simulates the behaviour of the following devices:

- VHF RADIO STATION WITH DSC VHF, SAILOR 6222
- MF/HF RADIO STATION WITH DSC MF/HF, SAILOR 6301
- MF/HF SAILOR 6300 MF/HF Radiotelex
- INMARSAT-C SES, EGC RX with LRIT and SSAS, SAILOR 6110
- INMARSAT FleetBroadband Sailor 250
- IRIDIUM SES LT-3100S GMDSS Satellite Communication System
- INMARSAT-B SHIP EARTH STATION NERA SATURN-B (optional)
- INMARSAT-FLEET 77 SHIP EARTH STATION NERA – F77 (optional)
- TWO BAND RECEIVER NAVTEX NX-700A/B, FURUNO
- Sailor TR733 2182 kHz Watch Receiver
- COSPAS-SARSAT EPIRB Tron 60GPS, Jotron
- SART Tron SART 20, Jotron
- AIS SART TRON AIS SART
- AIS Transponder SI-70A
- Two-way VHF radiostation Tron TR 30 GMDSS and Maritime VHF Radio
- VHF radio for two-way communication between vessel and aircraft, Tron TR 30 AIR, Jotron
- McMurdo Fast Find 220 PLB
- PLB AIS McMurdo S20
- GMDSS Alarm Panel Sailor AP 6103
- Radio direction finder RT-500-M (Marine)
- Power Switchboard Sailor BP4680
- Battery Charger
- Virtual Printer
- PPI of Radar/ ARPA Module JMA 5300
- GPS (Glonass) Receiver GP-170

#### Instructor WorkPlace (IWP)

The Instructor WorkPlace software allows for the training of Students in the use of GMDSS equipment, as well as for monitoring knowledge and acquired skills.

The instructor has the ability to modify the equipment configuration of Student WorkPlaces, change radio communication conditions, introduce signal interference, monitor Student radio communications, and much more.

#### The Instructor WorkPlace includes:

- Instructor's display;
- Radiotelephone handset with PTT;
- Software-based shore station simulator;
- Printer.

