



TGS 5000: RADIO COMMUNICATION SIMULATOR



TRANSAS
SETS THE STANDARD

RADIO COMMUNICATION SIMULATOR TGS 5000

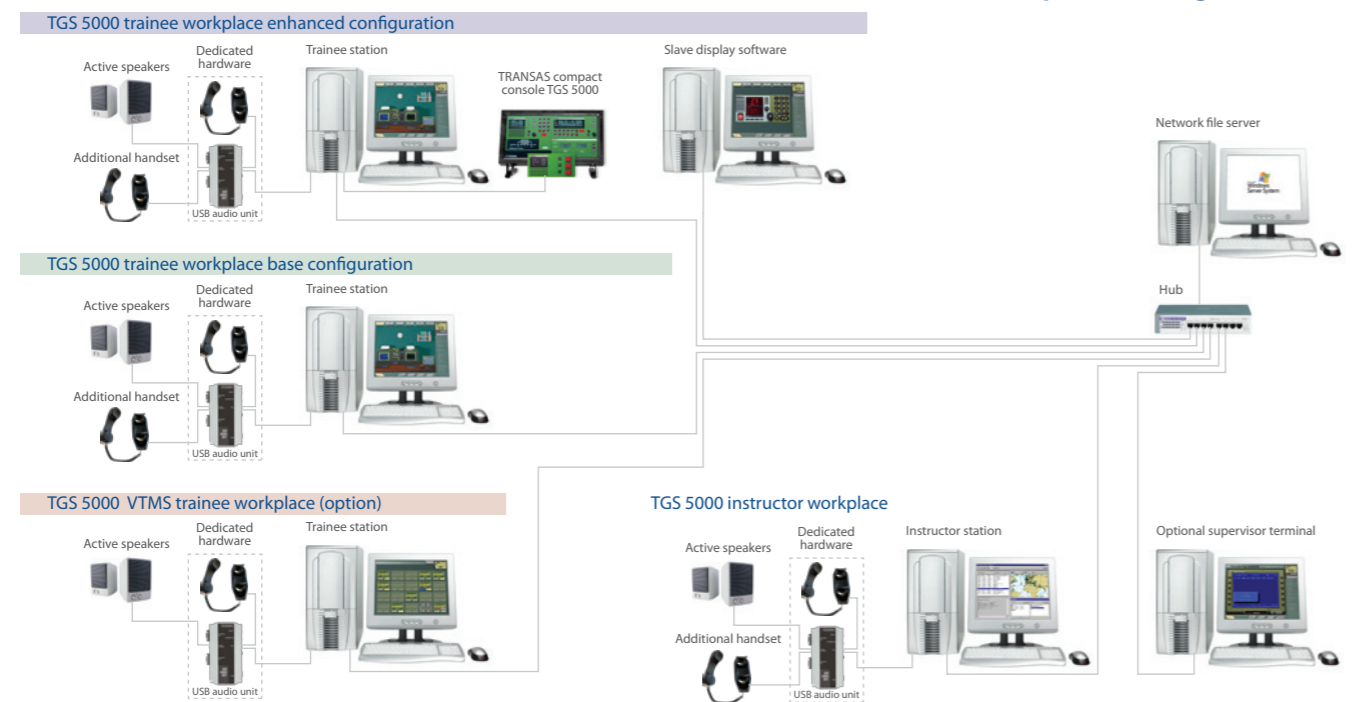
The Transas Radio Communication Simulator TGS 5000 is designed for training and examining of ship specialists who receive a General Operator Certificate (GOC) or Restricted Operator Certificate (ROC). Search and Rescue (SAR) operations and VTS operator training is supported as well.

COMPLIANCE

Transas GMDSS simulator covers the essential areas of maritime training in full compliance with STCW'95 Code and IMO Model Course 1.25 and holds type approval certificate from DNV (Class A as per Standard for Certification of Maritime Simulators No. 2.14 October 2007) and the Department of Maritime Transport of Russian Federation. The simulator with hard panel equipment is approved by the AMERC for the conduct of GOC examinations in place of actual equipment.

CONFIGURATION

- Stand alone mode for self-education.
- Network mode for individual and joint training of fleet operators with expert assessment of their competency in accordance with STCW'95 Code. Up to 3 instructor workplaces and up to 16 fully interactive trainee workplaces.
- VTS operator training. The simulator can include up to 10 VTMS communication operator workplaces 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 stations) 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 5000 equipment
- It is possible to use three different types of GMDSS radio equipment, manufactured by S. P. Radio/Thrane&Thrane: SAILOR Compact 2000, SAILOR System 4000 and SAILOR 5000. 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)
- Each trainee workplace can be supplemented with a Transas compact console including the real control panels of SAILOR Program 4000 units

CAPABILITIES

- Simulation of MF/HF/VHF communication in DSC, telephony and telex modes and satellite communication between the workplaces (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.
- Conducting SAR operations using the radar for detecting SART marks, prompt change of the ship's course and speed.
- An electronic chart displaying the coast station bases, GMDSS sea areas, SAR areas, plus the capability to make a rough estimate of the radio waves propagation in the selected frequency band.
- Possibility to change from the network operation to the single-user mode to provide the self-education in Demo, Test and Exam modes.
- Recording and playback of radiotelephone communications.
- Joint operation with navigational simulator.

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 trainee workplace current screen.



MF/HF radio station with DSC and Radiotelex SAILOR CU5100

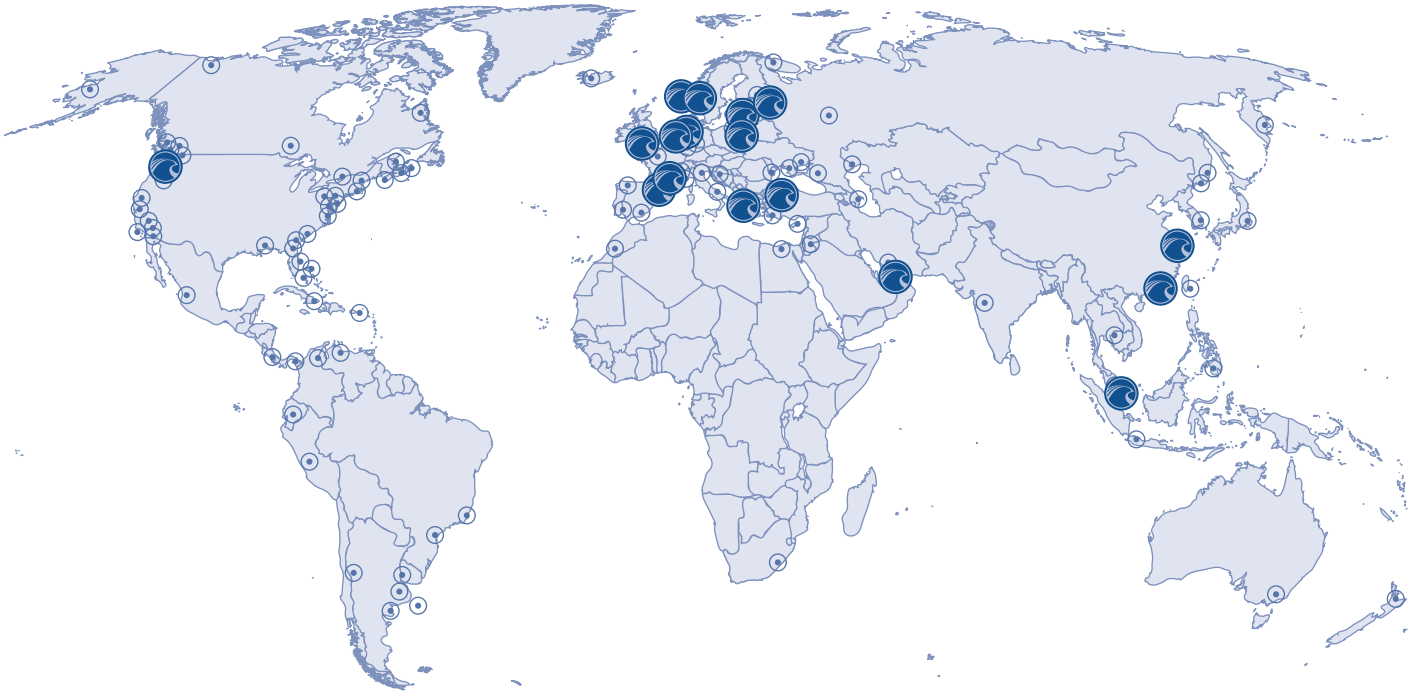


Inmarsat mini-C GMDSS SES SAILOR TT-3000E with internal GPS receiver and Remote Alarm/ Distress Box SAILOR TT-3043CP



Battery panel

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