

A1 Area VHF Band
 A2 Area MF Band
 A3-A4 Areas HF Band

DIGITAL SELECTIVE CALLING (DSC) SIMULATOR

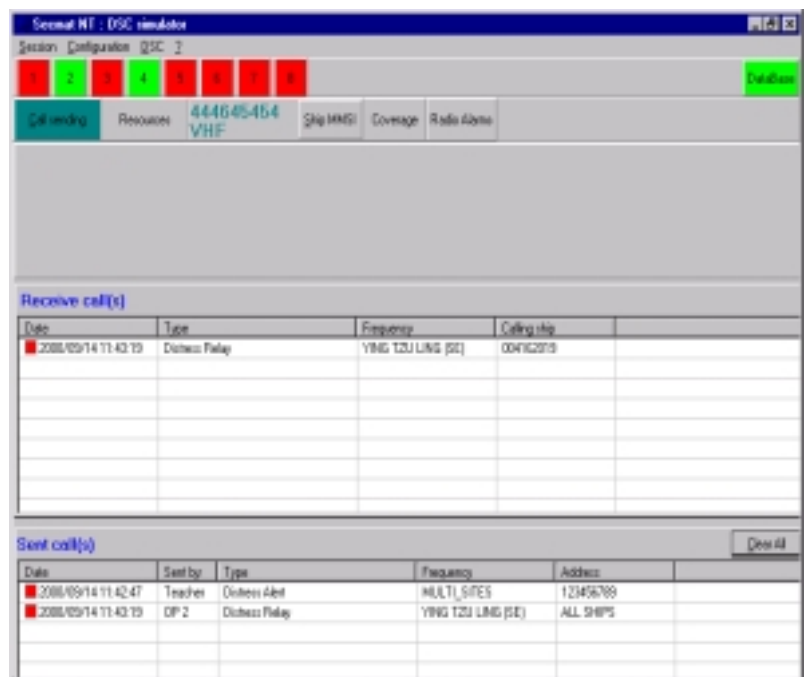
Our experience acquired at the same time, in equipment of simulation, in development of products dedicated to radio maritime telecommunications and in the implementation of GMDSS requirements, have led SECMAT NT to produce a **DSC Call Simulator** designed to train coast station operators to DSC equipment.

Among the wide range of SECMAT NT software modules handling the GMDSS requirements, this modular software **SIMULATES** DSC calls from ships, i.e. Distress, Urgency, Safety, Routine and Business calls. Frequency bands VHF (A1 area), MF (A2 area) and HF (A3-A4 areas) can be used.

This simulator software is especially dedicated for the training of shore-based people, i.e. coast station Operators and Coast Guards, on a fully compliant GMDSS equipment.

The SECMAT NT DSC Call Simulator for GMDSS operation is composed of one Instructor's Position (simulation of the DSC on-board ship station) and up to 8 Trainee's Positions (simulation of the DSC position at the coast station).

This simulator provides to radio officers a strong training with distress, urgency and safety communications, in the same condition as at a coast station. The trainees can be familiarised with all the DSC calls just as if they were operating an actual MRCC equipment.



Example of the Instructor position in standby mode.

The DSC Call Simulator is composed of only a few equipment as PC's and one Hub. It can be used independently of the MRCC equipment.

Available Procedures

- Transmission/reception of:
 - Distress alert
 - Distress relay call
 - Distress call
 - Urgency announcement
 - Safety announcement
 - Routine call
 - Business call
- Configuration of the virtual radio resources, radio stations and radio channels
- Configuration of ship's MMSI
- Configuration of radio coverage
- Database
- Recording of DSC calls
- Simulation of alarms on radio sites
- Introduction of errors in the DSC call frame