GENERIC COMCEN SIMULATOR

The modern Communications and Information Systems (CIS) sailor requires advanced skills to manage Communications Centre (COMCEN) equipment.
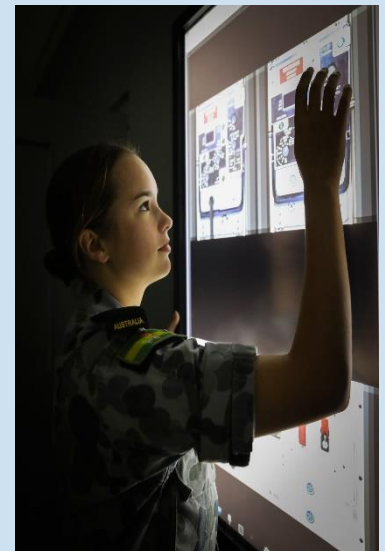
The Cirrus Generic COMCEN Simulator (GCS) has been developed for the RAN to provide cost effective COMCEN training.

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benefits

- Emulation of a range of COMCEN equipment including Antenna Control Units, RF Transmitters, RF Receivers, RF Transceivers, SATCOM devices, RF distribution devices, modems, cryptographic devices, messaging systems, Voice Terminals, baseband cross bar switch, multiplexers, Safe To Transmit keys, Jupiter State Control devices and COMCEN management software

- Simulation of interaction of equipment within COMCEN, interaction with remote and configuration and impact of propagation environment

- Enables training in creation and maintenance of multiple data and voice circuit types, error handling, and resource management to suit ship's operations

- Powerful instructor software maximises knowledge transfer

- Configurable for individual or group training in shared scenarios

- Cost effective COTS based design in use with RAN

overview

The GCS has been developed in close cooperation with RAN to provide cost effective simulation training in communicator skills.

The heart of the GCS is the simulation of the COMCEN equipment.

Trainees may configure COMCEN equipment to assemble circuits.

Trainees may then apply higher level tools to manage circuits.

Instructors may arrange faults, or changed operating conditions.

The Instructor may configure the GCS to represent the COMCEN of different ship types, and arrange groups of trainees to train on arranging communications 'ship to ship'.

The Instructor is provided powerful functionality to script lesson scenarios, emulate remote end stations, monitor trainee behaviours and to automate assessment of trainees.

The GCS is the answer to the challenge of training the modern naval CIS sailor.