

Communication system ASTRA

The simulated communication system ASTRA is the part of simulation systems and applications for the individual and tactics training. Due to its variability, it can be used in simple application also as in large exercises, when tens of intercoms and radio networks can be simulated. It is possible to configure the system to exactly simulate the communication models of the individual vehicles including the replicas of the communication devices. The system contains the exercise director module for monitoring the radio networks and intercoms and it is fully DIS compliant.

Developed skills:

- trainees' communication abilities among the crew also as the unit and the headquarters
- good communication habits and routines in the stress situations

Technical description

The base unit is connected to the simulation LAN. It contains connectors for 4 headsets with PTT and four radio station replicas. The base unit can be set as up to 4 radio networks and 1 intercom. There is also the simplified version of the single communication points, where PTT and the headphones are connected through USB and handled by the software of the radio station.

Content:

- USB headphones, ASTRA = communication base unit for maximum of 4 participants
- push to talk switches (USB)
- RS2-002 (USB) radio station replicas - setting and switching 4 frequencies, adjusting volume, switching on/off

Technical parameters:

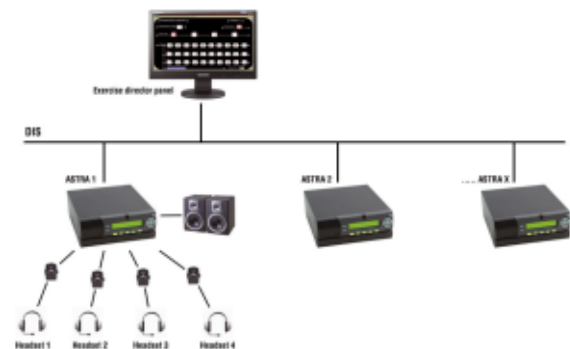
- power supply 230V/50 Hz

Support of standards:

- DIS (IEEE 1278) protocol
- it is possible to use PCM codes (8 or 16 bit sampling), Mu-law codec

Key benefits

- High variability of the system deployment and configuration
- DIS compliance enables synchronized recording and replay of the simulation and the communication
- Monitoring module for exercise director with the simple user interface



ASTRA - Audio unit



Frequency switch



Headset



Transmitter replica



PTT switch

