

IFAD TS of Denmark delivers software emulated military radios to Danish Defense



IFAD TS, a leading provider of simulated radio communication training solutions, delivers software emulated military radios to Danish Army and Navy. The delivery includes Harris AN/PRC-117 multiband, manpack radio and AN/PRC-152 single-channel multiband, multimission handheld radio.

The delivery is a result of a follow-on contract awarded to IFAD by the Danish Defense. All radios have been simulated with functionality as their real counterparts and installed on the Army and Navy's IRAS radio trainers. IRAS Trainer is a complete radio communications training solution provided by IFAD. It is in service at the Danish Army Signals Regiment and the Royal Danish Navy Warfare Training center.

The delivery includes simulation of SATCom functionality for training of TacSat operations, and security modules to provide training of secure voice and data ground-ground, ground-air, and ground-satellite communications.

Operator Training and Mission Rehearsal

The IRAS radios are ideal for basic operator training, currency training, and mission rehearsal. They satisfy warfighters' need for mission training in secure, real-time communication and data delivery. The radios are available in several versions, e.g. installed on the IRAS Trainer school house solution for operator and mission training purposes, or stand-alone versions on Laptops, PC's or tablets for basic operator training.



Multi station, Multi Channel Radio Communication

The IRAS solution enables voice communication among a large number of communication stations operating concurrently over a TCP/IP based network. Each communication station handles a large number of radios simultaneously. Communication stations can listen to all radios available on the station at the same time.

From HF to SATCom

IRAS provides simulated communications for HF, VHF, UHF and SATCOM radio systems.



Images: Simulated Harris 117 and 152 radios

Realistic Communication

The IRAS radio communication network simulates radio signal propagation and audio effects, including background noise and SATCom range dependent delays. Signal to noise ratio depends on the selected frequency, modulation and sideband, and on bandwidth, transmit power and range determined by the radios geographical positioning. IRAS supports many radio features, such as squelch, antenna attenuation, analogue and digital voice, crypto for secure communication, frequency hopping, and relay of communication. IRAS has been designed to react on the operator's incorrect use of the radio, e.g. selection of incompatible modulations, sidebands and carrier, in which case communication is prevented.



The IRAS Product Family

IFAD offers a family of high-fidelity radio simulation solutions for radio training and voice communication.

The IRAS products provide the perfect building blocks for basic radio training solutions to complete communication infrastructures in team training environments. IRAS supports integration of live and simulated radio nets and distributed communication over wide area networks. The IRAS product family includes IRAS Trainer, IRAS Radio, IRAS Touch, IRAS Comm and IRAS Live.



Further information:

Henrik Voss +45 63110211 / +45 40111860 or info@ifad.dk.
More information is also available at: www.ifad.dk