

Role 2 Field Hospital Communications and Information System

System Type: Role 2 Field Hospital - Communications and Information System

Customer: Felix Telecom/Uniteam

End User: Romanian Land Forces

Interactive Role: Sub Contractor

Project timeframe: 2007 to 2008



This project provides the necessary communications and information to the operators of the Role 2 Field Hospital mobile hospital designed especially for deployed combat support missions.

The communications and information system is installed in the shelters delivered by UNITEAM for the Role 2 Field Hospital. Interactive designed and installed the communications equipment in several types of shelters: ISO shelter, 2-1 shelter, 3-1 shelter, each suited for its specific role in the hospital and each with its unique EMC and COMSEC/EMSEC requirements.



The CIS system provides the following functionality:

- Access to data and voice networks using STANAG 4406, EUROCOM D1, E1, ISDN lines, HDSL, satellite, ETH and HF/VHF radios;
- Multiple security domains ;
- Each security domain has its own servers for data services;
- Secure Voice Service both VHF and HF.
- Data Communications in support of Information Systems.
- Automatic Position Location Navigation and Reporting (APLNR);
- Vehicle Tracking System - using the GPS capabilities of the Harris VHF radios. NFFI, IP1 and IP2 through the implementation of the NFFI standard in the VTS application, the CPR is securely transferred through reliable/secured WAN connections to a higher echelon;
- Combat Net Radio Access (CNRA).



The CIS commissioning was successfully performed in January 2008 FAT and SAT in May 2008.



Interactive SBC performed the system design & engineering, system installation, system commissioning, production, customer training, after sales support.

The system design and engineering effort consisted of:

- The definition of system interfaces
- Mechanical expertise in designing the Mobile Command Post in respect to the Human Factors Engineering standards and best practices;
- The Sub-system and platform design
- The Integration/Validation and Qualification.
- Radio, Data terminals, Telephone and Power distribution electrical design.
- Radio, Data terminals, Telephone and Power distribution mechanical design.
- Cables definition, design and manufacturing.

The program consists of one Communications and Information System deployed on the following platforms: qty 1 Command Post Shelter, qty 10 vehicles and qty 24 tents and shelters.



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