



# *Strategic Level Operational Radio Network (RRONS)*

System Type:	Email over HF/VHF Radio Network
Customer:	Romania MoD
End User:	Romania Signal Command, Army, Navy and Air Force
Interactive Role:	Prime Contractor
Project timeframe:	2001 to 2005

This project represents the fielding of an integrated email over Harris HF/VHF radio network designed to provide connectivity to all the military echelons throughout the Romanian territory from the Strategic Command level down to the brigade level according to NATO TN-802 Use of High Frequency Radio to support Combined Joint Task Force Crisis Response Operations.



## Network key facilities:

- Voice communications in all the operating modes (fixed frequency, hopping frequency, encrypted);
- Data communications according to STANAG 5066 and STANAG 4538;
- Messaging;
- Automatic routing between different media;
- LAN interconnection and integration;
- MoD Intranet interconnection and integration;
- Interconnection of the Romanian forces deployed abroad.
- Provides operation according to the following standards MIL-STD-188-141B, STANAG 4538, MIL-STD-188-110B, MIL-STD-188-110A, STANAG 4539.

The network is installed into more than 70 sites throughout the country.

RRONS operational testing performed during 2001-2002 and commissioning was successfully performed at the end of 2002. The network went through several extensions and upgrade phases in 2001 to 2005 period.

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

The system design and engineering effort consisted of:

- The definition of system interfaces
- The Sub-system design
- The Integration/Validation and Qualification.