Defence Communications Systems

AUTOMATED HF NETWORK SOLUTION

HF2000 is a versatile and feature-rich high frequency (HF) communications system that uses advanced automation software to offer ease of use and reliability of service.

With an unrivalled pedigree in HF communications, the company has developed the HF2000 system to simplify operational processes. Our third generation Automatic Link Establishment (3G ALE) algorithms ensure that links are automatically maintained.

Addressing the needs of both military and commercial users, HF2000 is a radio system capable of carrying a wide range of voice and data traffic types including email. It's advanced features allow users with no knowledge of radio communications to operate the system.

HF2000 includes a family of HF radios from 100W to 10kW to support both tactical and strategic communications. Installations range from large fixed ground sites through to mobile shelters, ships, submarines and aircraft.

HF2000 fully automates the complex task of operating a modern HF communication system through the application of a standards-based solution for Automatic Link Establishment (ALE) and traffic protocols.

It also has advanced propagation prediction algorithms that select the optimum frequency for every link.

OPERATIONAL BENEFITS

- Unattended operation
- Speed of operation
- Operational coverage
- Voice and data messaging
- High throughput
- Flexibility
- High reliability
- Reduction in the number of operators
- Reduced skills and training needs
- Allows interoperability with legacy radios
- Embedded security

LEONARDO
LAND & NAVAL DEFENCE ELECTRONICS

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HF2000

SYSTEM MANAGEMENT BENEFITS

Ease of configuration and setup
Network database for voice and email users
3G ALE, 2G ALE and fixed frequency
Ease of net assignment
Ease of system monitoring
Rapid re-configuration when required

USER BENEFITS

- Operational reliability
- Ease-of-use
- User friendly
- Automated system
- Automatic frequency selection
- Automatic frequency prediction
- Windows based
- Permits use of standard phones
- Permits use of laptops (email)

MAINTAINER BENEFITS

- Ease of equipment monitoring
- Early warning of potential problems
- BIT indicates faults to LRU level
- Rapid replacement of LRUs
- Low equipment count due to modular design
- Fast turn around for repair or replacement

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