



Mobile Multilayer Communication Solution

One important and vital measure of armed forces in classic and asymmetric wars is to support and manage the EW solutions for jamming the enemy's communication network. Therefore establishing secure/reliable tactical communication networks protected against the enemy's Electronic Warfare is very essential to direct and control the EW tactical mobile solution networks. One of the communication systems used for establishing secure and reliable communication in the enemy's EW condition is the Direct-Sequence Spread Spectrum (DSSS) radios. MCS-960 Multilayer Communication System has been designed and manufactured as central core of establishing, directing, and controlling the EW mobile tactical solution networks for establishing secure/reliable/quick the solutions through the E1/Ethernet infrastructure via fiber optics and field wire with capability of supporting multilayer communication including microwave radio link, HF/VHF LB (FM, AM, ...)/UHF radios, and DSSS radios.

Capabilities

- ✓ Distributing analogue/digital internal telephone lines and allocating the PSTN lines for telephone communication of available units in filed hospital camp
- ✓ Equipped with various types of data transmission equipment in the E1/Ethernet infrastructure including fiber optics equipment, LOS microwave radio link, and DSSS radio for operating in jamming condition
- ✓ Equipped with various HF/VHF/UHF radios with the ECCM, Hopping, and DS technique for operating in jamming condition
- ✓ Equipped with various data/voice encryption systems in the network infrastructure
- ✓ Tactical Data Forward capability and Local Hub performance for transmitting/receiving the data in through the E1/Ethernet infrastructure
- ✓ Equipped with switchboard with capability of connecting the 6E1 PRI for establishing voice communication via the PSTN, internal, and magnetic telephone lines with fighting units
- ✓ Equipped with diesel generator as the Remote
- ✓ Equipped with the fiber optics reel with the length of 1Km and type of tactical armored plated for establishing communication between fighting units in war field
- ✓ Capability of carrying by helicopter (heli-board)

Dimension of the Solution

Indoor dimension of the communication.....length: 4.5m, width: 2.1m, height: 2.2m shelter

Trailer

Truck with Off Road capability proper for moving through rugged paths

