



Network Manager

Windows^R based PC Software package

Management of the System III CEMA Network is accomplished by the System III Network Manager. The Network Manager is a PC-based software package that operates under the Windows^R operating system and offers complete management, command and configuration control of a network from one location. The System III Network Manager connects to the network via the System III Repeater or any Intelligent Radio Modem (IRM). Various methods of connectivity are available such as direct to the Repeater and/or IRM, or through remote connections such as dial-up modems, lease lines modems, VSAT terminals or multiplexers.

Features:

- f Integrated monitoring and control of a System II CEMA Network
- f Remote IRM and Repeater configuration
- f On-line node database configuration
- f Remote software download
- f Easy-to-edit text-based database for storage and configuration of all network and node parameters
- f Network Performance analysis
- f Alarm reporting and fault diagnostics
- f Remote Global Network Technical Support

The real-time display provides an online monitor of network activity. This can be used for instantaneous analysis of network operation and performance. The display can be configured by link number and packet-type filters to allow custom setups for specific monitoring requirements.

All parameters are stored in the non-volatile memory of the IRM's, Communications Cards and Repeater, and can be stored locally on disk for centralized database management.

Software upgrades can be remotely downloaded into each node by the remote download functionality. Software upgrades are provided as RDL (Remote Download) files and can be retrieved from local disk or attached network drive.

The Network Manager communicates to all the system components via the Internal Protocol (DIP). DIP is an ASCII-based protocol that contains all the commands that are used for configuration diagnostics, debug and command of all CEMA, System III and radio parameters.

The Network Manager provides all the tools for maximum configuration and control capability for a reliable operation and efficient maintenance of any System III Network.

