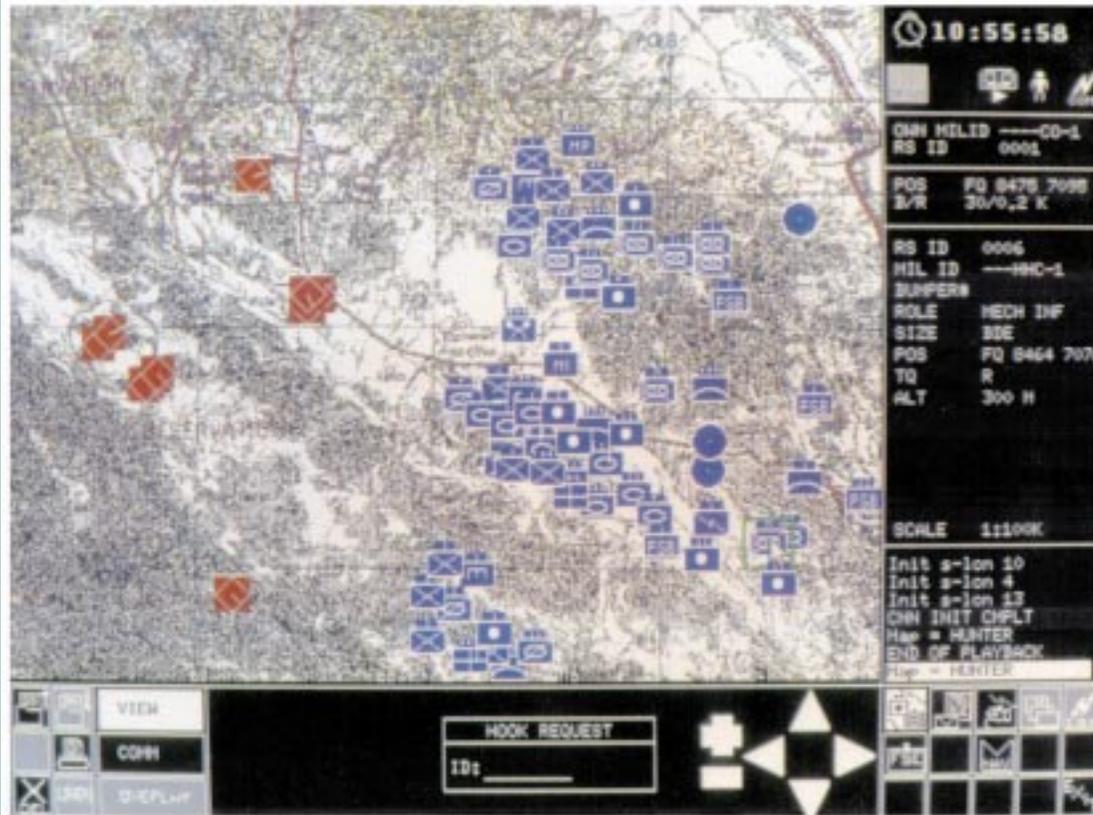


# Enhanced Position Location Reporting System (EPLRS)



**“Backbone” Data  
Communication  
System of the  
Tactical Internet**

*The Army's Data Networking System for the digitized battlefield, EPLRS provides the warfighter with the integrated network that supports warfighting systems and assures command control cycle superiority.*

- > The integration and interoperability of current and future battlefield systems is an integral part of the winning strategy.
- > EPLRS provides US military forces with a reliable and secure data distribution system.
- > EPLRS supports situation awareness and provides Position/Navigation throughout the maneuver brigades. It also supports the Army's Battle Command System (ABCS).



*Information is a force multiplier. Delivering the right information to the right place, at the right time, allows commanders at all echelons to make the right decision.*

## Latest Technology

- > State-of-the-art robust, self-healing network architecture
- > Externally programmable firmware
- > Contention-free access and guaranteed speed of service
- > Automatic network management and relay
- > Jam-resistant, LPI/LPD, spread spectrum, frequency hopping waveform

EPLRS provides robust, on-the-move, high-speed, automated data exchange using a contention-free networking architecture. This guarantees speed of service to time-critical users.

The far-reaching capabilities of EPLRS apply to a wide variety of mission areas. Effective **Air Defense** demands the distribution of command and control information and the exchange of air track data. EPLRS is the reliable communication system selected to meet those demands.

**Fire Support** benefits immensely from the system's ability to distribute artillery fire requests and mission support data to multiple destinations, simultaneously.

EPLRS fulfills the **Intelligence/Electronic Warfare's** demanding requirements for collecting data from widely dispersed systems in the forward battle areas, and sending the information back to the combat force. The EPLRS network is a reliable system that automatically reconfigures itself to overcome the line-of-sight limitations of UHF communications as well as jamming threats.

The data communication and position location-reporting and navigation functions of the EPLRS system play an integral role in **Logistic Support** operations. Through the Force XXI Battle Command Brigade and Below System (FBCB2), EPLRS provides the **Maneuver Control Forces** information on unit identification, position location and unit operational status. This data is displayed on the FBCB2 platform hosts and the EPLRS Net Control Station (NCS) operator console, as well as command and control center displays. With EPLRS, the NCS operator has a situation awareness display of friendly unit locations, e-mail like reports and other information that assist the commander during force deployments and maneuvers.

## RT-1720(V)EPUU - Radio Features

Frequency	UHF - Wideband
System Size	Up to 1500 per Division
Security	Embedded Crypto
Radio Links	Up to 30 simultaneous independent data paths per radio. Automatic route establishment, maintenance and reconfiguration
Data Rates	Variable data rates - up to 100 KBPS
Configuration	Manpack, vehicular and airborne



**Tying Army assets together, the tactical internet was a clear winner during the recent war games at the National Training Center, Ft. Irwin, California**



## AN/TSQ-158(V)4 Net Control Station (NCS-D) Functions

- > Establishes network
- > Automatically processes position location and ID info
- > Rekeys radios over-the-air
- > Activates and deactivates network links and connections
- > Monitors network
- > Provides position accuracy: 15m (CEP)



Ruggedized Laptop

For further information contact:

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*Expect great things*