

# Army Data Distribution System (ADDS)/Enhanced Position Location Reporting System (EPLRS)

Provides embedded situational awareness and position navigation for the warfighter using mobile, digitized, wireless data communications.



## DESCRIPTION AND SPECIFICATIONS

The Enhanced Position Location Reporting System (EPLRS) supports the Army's digitized divisions and Stryker Brigade Combat Teams (SBCTs). EPLRS is the backbone of the Army's Tactical Internet, providing data distribution and position navigation services in near-real-time for the warfighter at brigade-and-below level, in support of Army Battle Command Systems and the Force XXI Battle Command Brigade-and-Below (FBCB2) program.

EPLRS consists of a network control station and the EPLRS radio, which can be configured as a manpack unit, a surface vehicle unit, and an airborne vehicle unit. EPLRS uses a time-division, multiple-access communications architecture to avoid transmission contention. In addition, it uses frequency hopping and error detection and correction with interleaving. Spread-spectrum technology provides jamming resistance.

EPLRS is designed to be used as a common system for the Army, Air Force, Navy, and Marine Corps. Improvements to EPLRS include message reliability, more efficient available bandwidth, and field-programmable software.

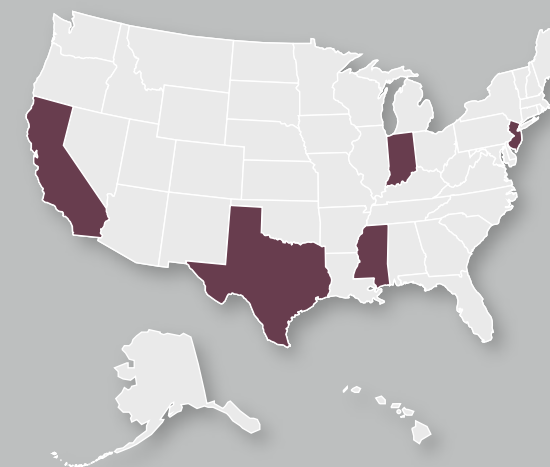
**Weight:** 40 pounds (vehicular, as shown);  
25 pounds (manpack)

## PROGRAM STATUS

- **2QFY04** Contract award for 711 EPLRS radios.
- **2QFY04** Fielding ongoing to the 3rd SBCT.

## PROJECTED ACTIVITIES

- **FY05-07** Continue fielding to ARNG Air Defense Artillery Units, SBCTs 3-6, 3rd ACR, and III Corps Troops
- **FY05-07** Field EPLRS retrofit kits (increases throughput to 288 Kbps) to 1st CAV, 4th ID, and 3rd ID



## CONTRACTORS

### Radio Design/Production:

Raytheon (Fullerton, CA; Forest, MS; Ft Wayne, IN; Garland, TX)

**Engineering Support:** British Aerospace Engineering (BAE) Systems (West Long Branch, NJ)

**Fielding:** Innolog (Wall Township, NJ); Engineering Professional Services (EPS) (Shrewsbury, NJ)

## INVESTMENT COMPONENT

Modernization

## ACQUISITION PHASE

- Production and Deployment