

Lightweight Laser Designator Range Finder (LLDR)

INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance



MISSION

To provide fire support teams and forward observers with a man-portable capability to observe and accurately locate targets, digitally transmit target location data to the tactical network, and laser-designate high-priority targets for destruction.

DESCRIPTION

The Lightweight Laser Designator Rangefinder (LLDR) is a man-portable, modular, target location, and laser designation system. The two primary components are the target locator module (TLM) and the laser designator module (LDM). The TLM can be used as a standalone device or in conjunction with the LDM. Total system weight to conduct a 24-hour mission is less than 30 pounds.

The TLM incorporates a thermal imager, day camera, electronic display, eye-safe laser rangefinder, digital magnetic compass, global positioning system electronics, and digital export capability. The TLM has the capability of seeing the laser designator spot, allowing the operator to more precisely

aim the laser designator. At night and in obscured battlefield conditions, the operator can recognize vehicle-sized targets at greater than 3 kilometers. During day operations, the operator can recognize targets at a distance of greater than seven kilometers. At a range of 10 kilometers, the operator can locate targets to less than 40 meters. The LDM emits coded laser pulses compatible with DoD and NATO laser-guided munitions. Users can designate targets at ranges greater than five kilometers.

SYSTEM INTERDEPENDENCIES

None

PROGRAM STATUS

- **Current:** In full-rate production

PROJECTED ACTIVITIES

- **4QFY09:** Follow-on full-rate competitive contract award

ACQUISITION PHASE

Technology Development

Engineering & Manufacturing Development

Production & Deployment

Operations & Support

Lightweight Laser Designator Range Finder (LLDR)

FOREIGN MILITARY SALES

None

CONTRACTORS

Northrop Grumman Guidance and Electronics Company, Inc., Laser Systems (Apopka, FL)

Thermal Imager:

L-3 Communications Cincinnati Electronics (Mason, OH)

FLIR Systems, Inc. (Santa Barbara, CA)

