

# Lightweight Laser Designator Range Finder (LLDR)

Provides fire support teams and forwards 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 by precision munitions.



## DESCRIPTION AND SPECIFICATIONS

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 stand-alone device or in conjunction with the LDM. Total system weight to conduct a 24-hour mission is 35 pounds.

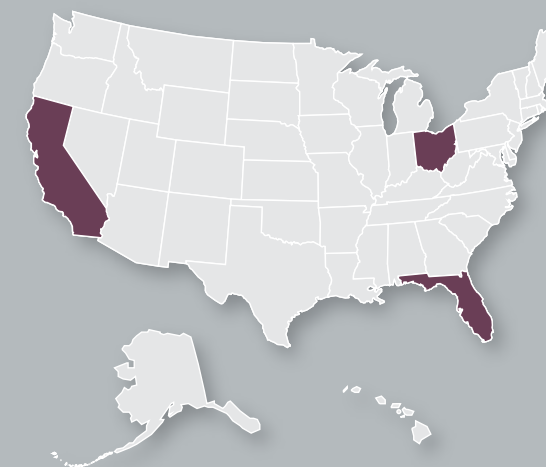
The TLM incorporates a thermal imager, day camera, electronic display, eye-safe laser rangefinder, digital magnetic compass, global positioning system electronics, and digital export capability. The TLM has an integral capability for bore sighting with the LDM, allowing the operator to see the laser spot and align the system. At night and in obscured battlefield conditions, the operator can recognize vehicle-sized targets at greater than 2.5 kilometers. During day operations, targets can be recognized at greater than 7 kilometers. At a range of 10 kilometers, targets can be located to less than 40 meters. The LDM emits coded laser pulses compatible with Department of Defense and NATO laser-guided munitions. Targets can be designated at ranges greater than 5 kilometers.

## PROGRAM STATUS

- **4QFY01** Milestone C, low-rate initial production (LRIP)
- **1QFY02** LRIP contract award
- **1QFY04** Full-rate production/type classification standard decision
- **2QFY04** First unit equipped
- **4QFY04** Full rate production contract awarded

## PROJECTED ACTIVITIES

- **2QFY05** Follow-on production contract award



## CONTRACTORS

### Prime:

Northrop Grumman Electronic Systems  
Laser Systems Division (Apopka, FL)

### Thermal Imager:

CMC Electronics, Cincinnati (Mason, OH)

### Thermal Imager:

Indigo Systems (Santa Barbara, CA)

## INVESTMENT COMPONENT

Modernization

## ACQUISITION PHASE

- Production and Deployment

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