

# Lightweight Laser Designator/Rangefinder (LLDR) AN/PED-1

## INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance



## MISSION

Provides the Soldier the ability to accurately locate and designate targets for engagement with precision munitions.

## DESCRIPTION

The AN/PED-1 Lightweight Laser Designator Rangefinder (LLDR) is a man-portable, modular target locator and laser designation system. The primary components are the Target Locator Module (TLM) and the Laser Designator Module (LDM).

The TLM incorporates a thermal imager, day camera, electronic display, eye-safe laser rangefinder, digital magnetic compass, Selective Availability/Anti-Spoofing Module Global Positioning System (SAASM GPS), and digital export capability.

The LLDR 2 TLM has an integral capability that enables the operator to see the laser designator spot during missions. The TLM can be used as a stand-alone device or in conjunction with the LDM. At night and in obscured battlefield conditions, the operator can recognize vehicle-sized targets at

more than 3 kilometers. During day operations, targets can be recognized at more than 7 kilometers. The LDM emits coded laser pulses compatible with DoD and NATO laser-guided munitions. Targets can be designated at ranges greater than 5 kilometers.

**Weight (total system):** 35 pounds (LLDR 1) and less than 30 pounds (LLDR 2) for a 24-hour mission

**Laser designator range:** > 5 kilometers

**Power:** LLDR1 one BA-5699 or one Single Channel Ground and Airborne Radio System (SINCGARS) battery without use of laser designator; LLDR2 one SINCGARS battery (BA-5390 or BA-5590)

## SYSTEM INTERDEPENDENCIES

None

## PROGRAM STATUS

- **FY10:** Fielded to units supporting Operation Enduring Freedom and Operation Iraqi Freedom
- **FY10:** Follow-on delivery order awards

## PROJECTED ACTIVITIES

- **FY11:** Begin fielding LLDR 2 in accordance with Headquarters, Department of the Army G8 priorities
- **FY11:** Follow-on procurement of a high accuracy version of LLDR to target for GPS guided munitions

## ACQUISITION PHASE

Technology Development

Engineering & Manufacturing Development

Production & Deployment

Operations & Support

## Lightweight Laser Designator Range Finder (LLDR) AN/PED-1

### FOREIGN MILITARY SALES

None

### CONTRACTORS

Northrop Grumman Laser Systems  
(Apopka, FL)

