

# Guided Multiple Launch Rocket System (GMLRS)

## INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance

### MISSION

To provide responsive, long-range, precision fires against area and point targets in open/complex/urban terrain with effects matched to the target and rules of engagement.

### DESCRIPTION

The Guided Multiple Launch Rocket System (GMLRS) is a major upgrade to the M26 rocket, producing precise destructive and shaping fires against a variety of target sets. GMLRS is employed with the M270A1 upgraded Multiple Launch Rocket System (MLRS) tracked launcher and the M142 High Mobility Artillery Rocket System (HIMARS) wheeled launchers. GMLRS munitions have greater accuracy with a resulting higher probability of kill, smaller logistics footprint, and minimized collateral damage. There are two variants of the GMLRS: the previously produced dual-purpose improved conventional munitions (DPICM) variant designed to service area targets; and the unitary variant with a single 200-pound class

high-explosive charge to provide blast and fragmentation effects on, above, or in a specific point target.

The development of a third alternative warhead has been initiated. The Alternative Warhead Program (AWP) will service area target sets without producing unexploded ordnance and will be fielded in FY15. The original GMLRS development was an international cooperative program with the United Kingdom, Germany, France, and Italy. An urgent materiel release version of the GMLRS unitary variant has been produced and fielded in support of U.S. Central Command (CENTCOM) forces with nearly 1,000 rockets used in operations through November 2008.

**Rocket Length:** 3,937mm

**Rocket Diameter:** 227mm

**Rocket Reliability:** Threshold 92

percent; objective: 95 percent

**Ballistic Range(s):** 15 to 70+ kilometers

### SYSTEM INTERDEPENDENCIES

Global Positioning System, Advanced Field Artillery Tactical Data System (AFATDS), M270 A1, and HIMARS Launchers

### PROGRAM STATUS

- **2–3QFY08:** GMLRS unitary initial operational test
- **1QFY09:** GMLRS AWP Configuration Steering Board (CSB), Acquisition Decision Memorandum (ADM) approved for Technology Development Initiation of the AWP
- **1QFY09:** GMLRS AWP CSB ADM halts new DPICM procurements
- **1QFY09:** GMLRS Unitary full-rate production decision

### PROJECTED ACTIVITIES

- **4QFY09:** GMLRS AWP Milestone A
- **1QFY11:** GMLRS AWP Warhead Prototype Technical Demonstrations
- **4QFY11:** GMLRS AWP Milestone B

## ACQUISITION PHASE

Technology Development

Engineering & Manufacturing Development

Production & Deployment

Operations & Support

## Guided Multiple Launch Rocket System (GMLRS)

### FOREIGN MILITARY SALES

United Kingdom, UAE, Singapore, Bahrain, Japan, Germany, and France

### CONTRACTORS

**Prime munitions integrator:**

Lockheed Martin (Dallas, TX)

**Rocket assembly:**

Lockheed Martin (Camden, AR)

**Motor assembly:**

Aerojet (Camden, AR)

**G&C section:**

Honeywell (Clearwater, FL)

**Motor case/warhead skins:**

Aerojet (Vernon, CA)

