

Guided Multiple Launch Rocket System (GMLRS) DPICM/ Unitary/Alternative Warhead (Tactical Rockets)

INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance

MISSION

Provides a persistent, responsive, all-weather, rapidly deployed, long-range, surface-to-surface, area-and-point precision strike capability.

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 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 fielded 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 precision strike blast and fragmentation effects with low collateral damage. The development of a third variant

incorporating an alternative warhead (AW) has been initiated. The AW will be compliant with the 2008 DoD Policy on Cluster Munitions & Unintended Harm to Civilians. The AW rocket will service area target sets without producing unexploded ordnance and will begin fielding in FY16.

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 over 2,000 rockets used in operations through July 2010.

Rocket Length: 3,937mm

Rocket Diameter: 227mm

Rocket Reliability: Threshold 92

percent; objective 95 percent

Ballistic Range(s): 15 to 70+ kilometers

SYSTEM INTERDEPENDENCIES

In this Publication

Advanced Field Artillery Tactical Data System (AFATDS), High Mobility Artillery Rocket System (HIMARS), Multiple Launch Rocket System (MLRS) M270A1

Other Major Interdependencies

GPS, Joint Systems, National Systems

PROGRAM STATUS

- **2-3QFY08:** GMLRS Unitary initial operational test
- **1QFY09:** GMLRS AW Configuration Steering Board (CSB) Acquisition Decision Memorandum (ADM) halts new DPICM procurements
- **1QFY09:** GMLRS Unitary Full-Rate Production Decision
- **4QFY09:** GMLRS AW Milestone A
- **4QFY10:** GMLRS AW Warhead Prototype Technical Demonstrations
- **4QFY11:** Selection of GMLRS AW warhead vendor for further development in Engineering and Manufacturing Development (EMD) Phase

PROJECTED ACTIVITIES

- **1QFY12:** GMLRS AW Milestone B
- **1QFY17:** GMLRS AW Initial Operational Capability

ACQUISITION PHASE

Technology Development

Engineering and Manufacturing Development

Production and Deployment

Operations and Support

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FOREIGN MILITARY SALES

United Kingdom, United Arab Emirates, Singapore, Bahrain, Japan, Canada, Jordan, Thailand, Finland, Germany, and France

CONTRACTORS

Lockheed Martin (Camden, AR; Grand Prairie, TX)

Lockheed Martin Missiles and Fire Control (Las Cruces, NM)

Guidance Set:

Honeywell (Clearwater, FL)

Rocket Motors:

Aerojet (Camden, AR)

Technical System Support:

Systems, Studies, and Simulation (Huntsville, AL)

