

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

INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance

MISSION

Provides a 24/7 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 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 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 has been initiated. The Alternative Warhead (AW) will be compliant with the 2008 DoD Policy on Cluster Munitions and Unintended Harm to Civilians. The AW rocket will service area target sets without producing unexploded ordnance and is scheduled to 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 was produced and fielded in support of U.S. Central Command (CENTCOM) forces with over 1,600 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), HIMARS

Other Major Interdependencies

GPS, M270A1, Joint Systems, National Systems

PROGRAM STATUS

- **2Q–3QFY08:** GMLRS Unitary initial operational test
- **1QFY09:** GMLRS AW Configuration Steering Board (CSB), Acquisition Decision Memorandum (ADM) approved for Technology Development Initiation of the AW
- **1QFY09:** GMLRS AW CSB ADM halts new DPICM procurements
- **1QFY09:** GMLRS Unitary full-rate production decision
- **4QFY09:** GMLRS AW Milestone A
- **4QFY10:** GMLRS AW Warhead Prototype Technical Demonstrations

PROJECTED ACTIVITIES

- **4QFY11:** GMLRS AW Milestone B

ACQUISITION PHASE

Technology Development

Engineering & Manufacturing Development

Production & Deployment

Operations & Support

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FOREIGN MILITARY SALES

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

CONTRACTORS

Prime:

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)

