

High Mobility Artillery Rocket System (HIMARS) M142

INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance

MISSION

Provides coalition ground forces with highly lethal, responsive, and precise long-range rocket and missile fires that defeat point and area targets via a highly mobile, responsive multiple launch system for Army and Marine early-entry expeditionary forces, contingency forces, and Modular Fires Brigades supporting Brigade Combat Teams.

DESCRIPTION

The M142 High Mobility Artillery Rocket System (HIMARS) is a combat-proven, wheeled artillery system that is rapidly deployable via C-130 and operable in all weather and visibility conditions. HIMARS is mounted on a five-ton modified Family of Medium Tactical Vehicles (FMTV) chassis. The wheeled chassis allows for faster road movement and lower operating costs, and requires far fewer strategic

airlifts (via C-130 or C-17) to transport a firing battery than the tracked M270 Multiple Launch Rocket System (MLRS) that it replaces. The M142 provides responsive, highly accurate, and extremely lethal surface-to-surface rocket and missile fires from 15 to 300 kilometers. HIMARS can fire all munitions in the current and planned suite of the MLRS Family of Munitions (MFOM), including Army Tactical Missile System (ATACMS) missiles and Guided MLRS (GMLRS) rockets. HIMARS carries either six rockets or one missile, is self-loading and self-locating, and is operated by a three-man crew protected from launch exhaust/debris and ballistic threats by an armored man-rated cab. It operates within the MLRS command, control, and communications structure.

Ordnance options: All current and future MLRS rockets and ATACMS missiles, to include GMLRS DPICM and Unitary

Empty weight: 29,800 pounds

Max speed: 100 kilometers per hour

Max cruising range: 480 kilometers

SYSTEM INTERDEPENDENCIES

In this Publication

None

Other Major Interdependencies

C130/C-17, CNR (Combat Net Radio), GPS, JSTARS, MLRS MODS, Q36/Q37 FIREFINDER, Sensor Suite, TBMCS (Air Space Clearance)

PROGRAM STATUS

- **Current:** Fielded two Army National Guard (ARNG) battalions for total of 15 battalions fielded
- **Current:** Provide support to fielded units and units in combat
- **Current:** Field and provide sustainment and support activities for foreign military sales customers
- **2QFY12:** Completed retrofit of M142 fleet with new, Increased Crew Protection (ICP) armored cab
- **2QFY12:** Completed installation of Universal Fire Control System (UFCS) on entire M142 fleet
- **3QFY12:** Awarded Sapphire Glass Contract to Saint Gobain

PROJECTED ACTIVITIES

- **Continue:** Fielding to active and reserve components, with the last of 17 battalions fielding in FY13
- Field Long Range Communication (LRC), Blue Force Tracker (BFT), and Drivers Vision Enhancement (DVE) modifications
- **FY13:** Complete U.S. Full-rate production (FRP)

ACQUISITION PHASE

Technology Development

Engineering & Manufacturing Development

Production & Deployment

Operations & Support

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FOREIGN MILITARY SALES

Jordan, Singapore, United Arab Emirates

CONTRACTORS

Prime:

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

Increased Crew Protection (ICP) Cab, Chassis:

BAE Systems (Sealy, TX)

Launcher Interface Unit (LIU), Weapons Interface Unit (WIU), and Power Switching Unit (PSU):

Harris Corp. (Melbourne, FL)

