

Precision Guided Mortar Munitions (PGMM)

Destroys high-value targets, such as earth and timber bunkers, masonry structures, light armored vehicles, and command and control centers with beyond line-of-sight direct fire weapons.

Platforms

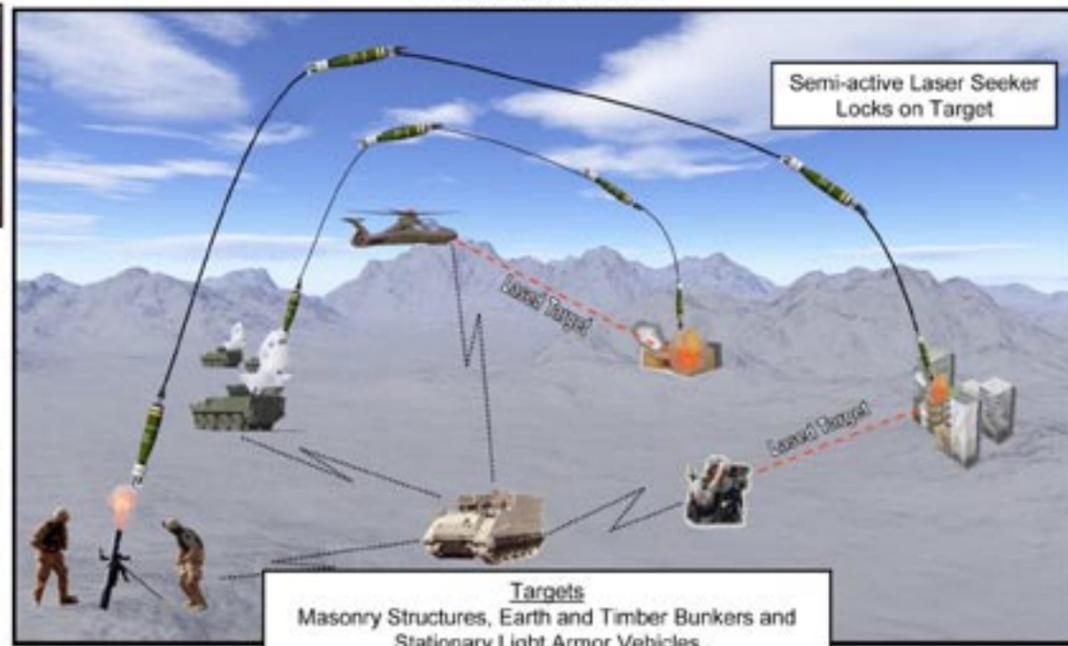


Current

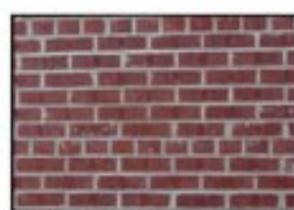


Future

PGMM Increment 1



Earth and Timber Bunkers



Brick over Block Masonry Structures



Stationary Lightly Armor Vehicles

Increment 1 Targets

DESCRIPTION AND SPECIFICATIONS

The 120mm Precision Guided Mortar Munitions (PGMM) is a precision munition capable of defeating high-value point targets at double the range of conventional 120mm mortar ammunition. Depending on the needs of the mission, its modes of operation include laser designation and/or autonomous fire and forget. Its infrared seeker detects and classifies targets and inputs information through its processor to its guidance and control systems to ensure a direct hit on the target. The shaped charge warhead will defeat both hard and soft targets.

The ability to hit point targets is especially valuable in urban environments and in low-intensity conflicts because it avoids collateral damage and reduces the potential for civilian casualties. PGMM increases the number of stowed kills and reduces the overall logistics burden—a critical goal for early entry forces.

Precision: Two rounds or less to defeat the target (semi-active laser designation for precision strike)

Range: Provides lethality at extended ranges with incremental upgrades (7.2 to 15 kilometers)

Lethality: Provides high lethality against personnel protected by earth and timber bunkers, lightly armored vehicles, and masonry structures

Shelf Life: 10-20 years

Weapon System: Compatible with all current and future 120mm U.S. mortar systems

PROGRAM STATUS

- **3QFY04** Completed component advanced development; successful Milestone B decision; proceeding to system development and demonstration (SDD) phase
- **3QFY04** PGMM Increment I operational requirements document (ORD) approved by Joint Requirements Oversight Council
- Competitive source selection is underway for the next phase through low-rate initial production (LRIP)
- **1QFY05** SDD contract award expected

PROJECTED ACTIVITIES

- **1QFY05-4QFY08** Increment I SDD phase
- **1QFY09-2QFY09** Production qualification tests and evaluation
- **3QFY09-4QFY09** Operational tests
- **4QFY08** Milestone C (Increment I)
- **4QFY08-4QFY09** LRIP
- **4QFY10** Materiel release for Future Combat Systems
- **4QFY10** First unit equipped



CONTRACTORS

Program Management:
OPM Mortar Systems (Picatinny Arsenal, NJ)
Prime: To be selected
(ongoing competitive source selection)

INVESTMENT COMPONENT

Modernization

ACQUISITION PHASE

- System Development and Demonstration