

Artillery Ammunition

Provides field artillery forces with modernized, highly precise munitions to destroy, neutralize, or suppress the enemy by cannon fire.

INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance



Description & Specifications

The Army's artillery ammunition program includes 75mm (used for ceremonies and simulated firing), 105mm, and 155mm projectiles and their associated fuzes and propelling charges.

Semi-fixed ammunition for short and intermediate ranges, used in 105mm howitzers, is characterized by adjusting the number of multiple propelling charges. Semi-fixed ammunition for long ranges contains a single bag of propellant optimized for obtaining high velocity and is not adjustable. The primer is an integral part of the cartridge case, and is located in the base. All 105mm cartridges are issued in a fuzed or unfuzed configuration. Both cartridge configurations are packaged with propellant.

Separate-loading ammunition, used in 155mm howitzers, has separately issued projectiles, fuzes, propellants, and primers, which are loaded into the cannon separately.

The artillery ammunition program includes fuzes for cargo-carrying projectiles, such as smoke, illumination, dual purpose improved conventional munitions, and bursting projectiles, such as high explosive. This program also includes bag propellant for the 105mm semi-fixed cartridges and modular artillery charge system (MACS) for 155mm howitzers.

The Precision Guidance Kit is a low-cost system that will improve the accuracy of conventional 105mm and 155mm artillery projectiles.

Program Status

- **3QFY05:** MACS M232A1 high zone propelling charge optimized for the 155mm/39-caliber howitzer and type classified

Projected Activities

- **FY07:** Precision Guidance Kit begins system development and demonstration

ACQUISITION PHASE

Concept & Technology Development

System Development & Demonstration

Production & Deployment

Operations & Support

Artillery Ammunition

FOREIGN MILITARY SALES

Multiple foreign purchases

CONTRACTORS

General Dynamics Ordnance and Tactical Systems-Scranton Operations

(Scranton, PA)

SNC Technologies (LeGardeur, Canada)

American Ordnance (Middletown, IA)

Alliant Techsystems (Janesville, WI)

Armtec Defense (Palm Springs, CA)

