

# Artillery Ammunition

## INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance



## MISSION

To provide field artillery forces with modernized munitions to destroy, neutralize, or suppress the enemy by cannon fire.

## DESCRIPTION

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.

## SYSTEM INTERDEPENDENCIES

None

## PROGRAM STATUS

- **2QFY09:** Completed type classification of the 105mm M1064 Infrared (IR) Illumination cartridge

## PROJECTED ACTIVITIES

- **4QFY09:** Complete type classification of the 155mm M1066 IR Illumination projectile.
- **2QFY10:** Complete full material release of the 105mm M1064 IR Illumination cartridge

## ACQUISITION PHASE

Technology Development

Engineering & Manufacturing Development

Production & Deployment

Operations & Support

## Artillery Ammunition

### FOREIGN MILITARY SALES

Australia, Canada, Israel, and Lebanon

### 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)

