

Tank Ammunition

INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance

MISSION

Provides overwhelming lethality overmatch in tank ammunition.

DESCRIPTION

The current 120mm family of tactical tank ammunition consists of fourth-generation kinetic energy, multipurpose, and canister ammunition. Kinetic energy ammunition lethality is optimized by firing a maximum-weight sub-caliber projectile at the greatest velocity possible, defeating advanced threat armor. The M829A3 kinetic energy cartridge provides armor-defeat capability. Multipurpose ammunition uses a high-explosive warhead to provide blast, armor penetration, and fragmentation effects. The shotgun shell-like M1028 canister cartridge provides the Abrams tank with effective, rapid, lethal fire against massed assaulting infantry, and it is also used in training. The 120mm family has dedicated training cartridges in production: M865, with its reduced range, simulates tactical trajectory to 2,500 meters; and M1002, which simulates the M830A1 size, weight, and nose switch.

To support the Stryker force, the 105mm Mobile Gun System uses M1040 canister cartridges. The M1040 canister cartridge provides rapid, lethal fire against massed assaulting infantry at close range, and it is also used in training. The M467A1 training cartridge is a ballistic match to the M393A3 tactical round, and both completed production in FY10.

SYSTEM INTERDEPENDENCIES

Other Major Interdependencies

The Abrams Main Battle Tank fires 120mm ammunition; the Stryker Mobile Gun System fires 105mm ammunition

PROGRAM STATUS

- **FY10:** M829A3, M830, M830A1, M1002, M908, M1028, M1040, M393A3, and M467A1 are fielded

PROJECTED ACTIVITIES

- **FY11:** M865, M1002, and M1040 are in production
- **FY14:** M829E4 MS-C

ACQUISITION PHASE

Technology Development

Engineering and Manufacturing Development

Production and Deployment

Operations and Support

Tank Ammunition

FOREIGN MILITARY SALES

M831A1 and M865:

Iraq

KE-WA1:

Kuwait

CONTRACTORS

M1002 and M865:

Alliant Techsystems (Plymouth, MN)

M1002, M865, and KEW:

General Dynamics Ordnance and Tactical Systems (St. Petersburg, FL)

M1040:

L-3 Communications (Lancaster, PA)

