

Tank Ammunition (TA)

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 is also used in training. The 120mm family has dedicated training cartridges in production: M865, with its reduced range, simulates sabot 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 is also used in training. The M467A1 training cartridge, which is ballistically matched to the M393A3 cartridge, completed production in FY10.

SYSTEM INTERDEPENDENCIES

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

PROGRAM STATUS

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

PROJECTED ACTIVITIES

- **FY11:** M865, M1002, and M1040 in production

ACQUISITION PHASE

Technology Development

Engineering & Manufacturing Development

Production & Deployment

Operations & Support

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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)

