

Future Tank Main Gun Ammunition (FTMGA)

INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance

MISSION

Provides overwhelming lethality overmatch to the heavy armor fleet.

DESCRIPTION

The Future Tank Main Gun Ammunition (FTMGA) suite consists of two cartridges and will provide enhanced lethality and increased capability to the Heavy Brigade Combat Team.

The next-generation kinetic energy (KE) cartridge, designated M829E4, will use an advanced penetrator to defeat future heavy armor targets equipped with explosive reactive armor and active protection systems. This will increase survivability of the Abrams tank in the 0-4 kilometer range.

The Advanced Multi-Purpose (AMP) cartridge will combine the capabilities of a number of existing munitions into one cartridge. This cartridge will utilize air-bursting warhead and multimode fuze technology to combine those capabilities and provide new capability against dismounted infantry at longer ranges. This cartridge will employ high-explosive, anti-personnel, obstacle-reduction, and anti-helicopter

capabilities into one munition, thus streamlining the logistical footprint associated with deploying heavy forces. This cartridge will further enhance survivability and lethality for Abrams tanks in the 0-4 kilometer range.

SYSTEM INTERDEPENDENCIES

In this Publication

Abrams Tank Upgrade

Other Major Interdependencies

The FTMGA suite must be compatible with the Abrams tank fleet through the remainder of its service life

PROGRAM STATUS

- **4QFY09:** Milestone B for M829E4
- **FY10:** M829E4 engineering and manufacturing development (EMD) initiation
- **FY11:** Award of two competing EMD contracts for M829E4
- **Current:** M829E4 TRL-6 demonstrated, AMP TRL-6 demonstrated

PROJECTED ACTIVITIES

- **FY12:** Milestone B for AMP

ACQUISITION PHASE

Technology Development

Engineering and Manufacturing Development

Production and Deployment

Operations and Support

Future Tank Main Gun Ammunition (FTMGA)

FOREIGN MILITARY SALES

None

CONTRACTORS

M829E4:

Alliant Techsystems (Plymouth, MN)

CONCEPT

AMP



DEVELOPMENT

M829E4

