

# 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

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
- **FY10:** Award of two competing EMD contracts for M829E4
- **Current:** M829E4 TRL-6 demonstrated; AMP TRL-6 demonstrated

### PROJECTED ACTIVITIES

- **FY11:** EMD downselect M829E4
- **FY12:** Milestone B for AMP

## ACQUISITION PHASE

Technology Development

Engineering & Manufacturing Development

Production & Deployment

Operations & Support

## Future Tank Main Gun Ammunition (FTMGA)

### FOREIGN MILITARY SALES

None

### CONTRACTORS

#### M829E4:

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

Alliant Techsystems (Plymouth, MN)

CONCEPT

**AMP**



DEVELOPMENT

**M829E4**

