

# Future Tank Main Gun Ammunition

## INVESTMENT COMPONENT

- Modernization
- Recapitalization
- Maintenance

### MISSION

To provide overwhelming lethality overmatch to the heavy armor fleet.

### DESCRIPTION

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

The Advanced Kinetic Energy (AKE) 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 and Mounted Combat Systems vehicles in the 0–4 kilometer range.

### SYSTEM INTERDEPENDENCIES

The Future Tank Main Gun Ammunition suite must be compatible with the Abrams tank fleet through the remainder of its service life.

### PROGRAM STATUS

- **4QFY09:** Milestone B for AKE
- **FY10:** AKE Engineering and Manufacturing Development (EMD) initiation
- **Currently:** AKE TRL-6 demonstrated; AMP TRL-6 demonstrated

### PROJECTED ACTIVITIES

- **FY10:** Award of two competing EMD contracts for AKE
- **FY11:** Milestone B for AMP

## ACQUISITION PHASE

- Technology Development
- Engineering & Manufacturing Development
- Production & Deployment
- Operations & Support

**Future Tank Main Gun Ammunition**



**AMP**



**AKE**

**FOREIGN MILITARY SALES**

None

**CONTRACTORS**

To be determined

