

Provides direct-fire tank ammunition for use in current and future ground combat weapons platforms.

## MRM Concept



## 105mm for MGS



## 120mm Tactical and Training



### DESCRIPTION AND SPECIFICATIONS

The current 120mm family of tank ammunition consists of kinetic energy ammunition and multipurpose ammunition.

Kinetic energy ammunition lethality is optimized by firing a maximum-weight projectile at the greatest velocity possible. Multipurpose ammunition uses a high-explosive, shaped-charge warhead to provide blast, armor penetration, and fragmentation effects. There are three high-explosive cartridges in the current inventory: M830A1, M830 and M908 Obstacle Reduction.

The shotgun shell-like XM1028 canister cartridge provides the Abrams tank with effective, rapid, lethal fire against massed assaulting infantry.

To support the Stryker Force, 105mm Mobile Gun System (MGS) ammunition comprises new high-explosive and canister cartridges. High-explosive ammunition (M393A3) destroys hardened enemy bunkers and creates openings through which infantry can pass. Canister (XM1040) ammunition provides rapid, lethal fire against massed assaulting infantry at close range.

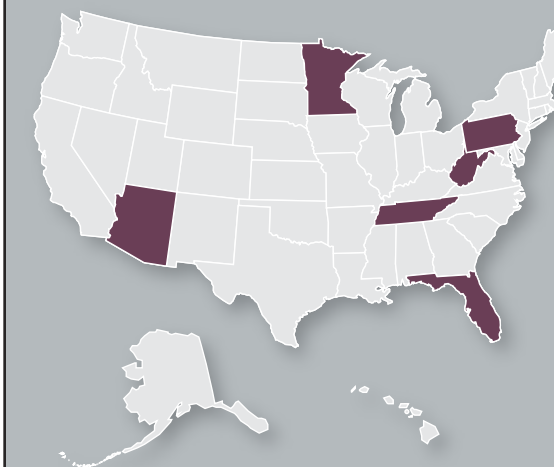
For Future Combat Systems, smart, precision munitions will enable precision strikes against high-value targets at extended ranges. The mid-range munition, whether 120mm or 105mm, will expand the future combat systems engagement zone beyond 8 kilometers.

### PROGRAM STATUS

- **FY04** M829A3, M830, M830A1 and M908 fielded

### PROJECTED ACTIVITIES

- **FY05** Milestone-C and low rate initial production for XM1002, XM1028, XM1040



### CONTRACTORS

- **M830A1, XM1002 and XM1040:** Alliant Techsystems (Plymouth, MN)
- **XM1028:** General Dynamics-Ordnance and Tactical Systems (St. Petersburg, FL)
- **M829A3:** Alliant Techsystems (Plymouth, MN; Rocket City, WV) AOT (Johnson City, TN)
- **MRM:** Alliant Techsystems (Clearwater, FL) Raytheon (Tucson, AZ)
- **M393A3 and M467A1:** L3 Communications (Lancaster, PA)

### INVESTMENT COMPONENT

Modernization

### ACQUISITION PHASE

- Concept and Technology Development
- System Development and Demonstration
- Production and Deployment