

Medium Caliber Armaments



MISSION

Provide the U.S. Army with superior medium caliber armaments.

DESCRIPTION AND SPECIFICATIONS

Medium caliber armaments provide a capability against a variety of battlefield threats, including light armor, dismounted infantry, anti-tank guided missile (ATGM) sites, aerial threats, and modern fielded targets. The 25mm Bushmaster, M242 Gun is the primary medium-caliber system employed by the U.S. Army.

The M919 is a 25mm armor-piercing, fin-stabilized discarding sabot with tracer (APFSDS-T) cartridge; it is the primary armor piercing round for the M256 auto cannon. The M919 cartridge employs a high L/D depleted uranium penetrator, high-energy propellants, an aluminum sabot, and low drag, stainless steel fin. The M919 was developed for substantial performance increase over its predecessor, the M791 armor piercing discarding sabot-tracer (APDS-T) cartridge. The M919 is used primarily in the M2 or M3 Bradley Fighting Vehicles.

The M910E1 target practice discarding sabot with tracer (TPDS-T) will provide an improved target practice cartridge for the 25mm, M919 APFSDS-T cartridge. The M910E1 will allow the soldier to train more closely to tactical conditions. The trajectory will be a ballistic match to the M919, and possess a similar tracer signature to the M919 cartridge when viewed through the Bradley Fighting Vehicle System Improved Bradley Acquisition System (BFVS IBAS). The M910E1 will replace the 25mm, M910, TPDS-T cartridge. Currently, the M910E1 is an unfunded requirement.

Other medium caliber initiatives include future upgrades to the BFVS armament system, and support of the future scout combat system for the armament selection decision. Other areas of interest include the demonstration of critical technologies such as air-bursting munitions, and case-telescoped ammunition development.

FOREIGN COUNTERPART

No known foreign counterpart

FOREIGN MILITARY SALES

None

PROGRAM STATUS

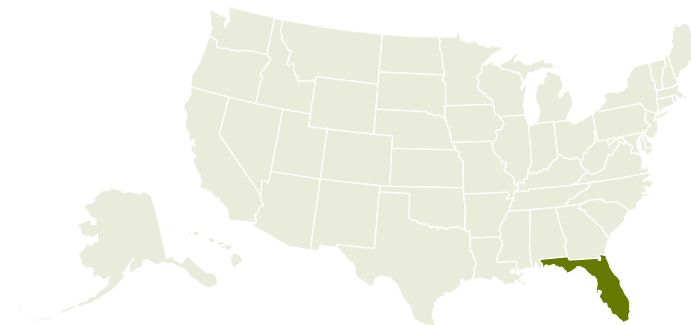
- **M919:** In production, with FY01 deliveries scheduled to be completed in 2QFY02.
- **M910E1:** A program that was previously in development, but is currently an unfunded requirement.

PROJECTED ACTIVITIES

- **1QFY01** Award option for 279K M919 cartridges.

PRIME CONTRACTORS

M919: Primex Technologies (St. Petersburg, FL)



* See appendix for list of subcontractors

