

Paladin/Field Artillery Ammunition Supply Vehicle (FAASV)

INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance

MISSION

To provide the primary artillery support for heavy Brigade Combat Teams and non-divisional heavy fires battalions.

DESCRIPTION

The M109A6 (Paladin) 155mm howitzer is the most technologically advanced self-propelled cannon system in the Army. The field artillery ammunition supply vehicle (FAASV) provides an armored ammunition resupply vehicle in support of the Paladin.

The Paladin Integrated Management (PIM) program supports the fleet management strategy for current Paladins and FAASVs by providing a low-risk and affordable life-cycle solution that addresses obsolescence and ensures long-term sustainment of the fleet through 2050.

PIM uses state-of-the-art components to improve the following:

- **Survivability:** “Shoot and scoot” tactics; improved ballistic and nuclear, biological, and chemical protection on both the Howitzer and FAASV.
- **Responsive fires:** Capable of firing within 45 seconds from a complete stop with on-board communications, remote travel lock, automated cannon slew capability, and pivot steer technology.
- **Accurate fires:** On-board position navigator and technical fire control.
- **Extended range:** 30 kilometers with high-explosive, Rocket-Assisted Projectile (RAP) and Excalibur Projectiles using M203 or M232/M232A1 MACS propellant.
- **Increased reliability:** Unique chassis built around Bradley Common Powertrain, Track, and Diagnostics.
- **Growth capacity (Accept Non-Line of Sight/Future Network capabilities).**

Other PIM specifications include the following:

Crew: Paladin, four; FAASV, five
Combat loaded weight: Paladin, 35 tons; FAASV, 28 tons

Paladin on-board ammo: 95 rounds plus 2 Excalibur or Copperhead projectiles

FAASV on-board ammo: 95 rounds
Rates of fire: 4 rounds per minute for first 3 minutes maximum; 1 round per minute sustained

Maximum range: High Explosive Rocket Assisted Projectile (HE/RAP), 22/30 kilometers

Cruising range: Paladin, 186 miles; FAASV, 186 miles

Fire Support Network: Paladin Digital Fire Control System software support
 Fire Support Network

SYSTEM INTERDEPENDENCIES

AFATDS, Excalibur, PGK, FBCB2

PROGRAM STATUS

- **FY09–1QFY10:** Prototype production

PROJECTED ACTIVITIES

- **1QFY10–3QFY12:** Developmental testing (includes live fire)
- **1QFY11:** Milestone C
- **2QFY12–3QFY12:** Operational testing

ACQUISITION PHASE

Technology Development

Engineering & Manufacturing Development

Production & Deployment

Operations & Support

Paladin/Field Artillery Ammunition Supply Vehicle (FAASV)

FOREIGN MILITARY SALES

None

CONTRACTORS

BAE Systems (York, PA; Elgin, OK)
 Northrop Grumman (Carson, CA)
 Anniston Army Depot (Anniston, AL)
 Marvin Land Systems (Inglewood, CA)
 Kidde Dual Spectrum (Goleta, CA)

