

# Paladin/Field Artillery Ammunition Supply Vehicle (FAASV)

## INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance

## MISSION

Provides the primary indirect fire support for modular Heavy Brigade Combat Teams and armored and mechanized infantry divisions, as well as an armored ammunition resupply vehicle in support of the Paladin.

## 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, space, weight, and power concerns and ensures long-term sustainment of the fleet through 2050.

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

- **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 onboard communications, remote travel lock, automated cannon slew capability, and pivot steer technology
- **Improved survivability:** New chassis structure and armoring provisions are built in.
- **Extended range:** 30 kilometers with high-explosive (HE), Rocket-Assisted Projectile (RAP) and Excalibur Projectiles using M203 or M232/M232A1 MACS propellant
- **Increased commonality and reliability:** Through Bradley common powertrain, track, and suspension components
- **Non-line-of-sight cannon technology:** Common electric elevation/traverse drives gun system and electric rammer are included

Other PIM specifications include the following:

- **Crew:** Paladin, four; FAASV, five
- **Combat loaded weight:** Paladin, 37 tons; FAASV, 28 tons
- **Paladin onboard ammo:** 39 rounds
- **FAASV onboard ammo:** 95 rounds
- **Rates of fire:** 4 rounds per minute for first 3 minutes maximum; 1 round per minute sustained

- **Maximum range:** HE/RAP, 22/30 kilometers
- **Cruising range:** Paladin, 180 miles; FAASV, 180 miles
- **Fire Support Network:** Paladin Digital Fire Control System software supports Fire Support Network

## SYSTEM INTERDEPENDENCIES

### In this Publication

Advanced Field Artillery Tactical Data System (AFATDS), Excalibur (M982), Force XXI Battle Command Brigade and Below (FBCB2), Artillery Ammunition, Precision Guidance Kit (PGK)

## PROGRAM STATUS

- **3QFY11:** Start government developmental testing

## PROJECTED ACTIVITIES

- **3QFY11-3QFY14:** Developmental testing
- **3QFY13:** Milestone C

## ACQUISITION PHASE

Technology Development

Engineering and Manufacturing Development

Production and Deployment

Operations and Support

## Paladin/Field Artillery Ammunition Supply Vehicle (FAASV)

### FOREIGN MILITARY SALES

None

### CONTRACTORS

#### PIM Development:

BAE Systems (York, PA)

#### PIM SW Support/FATB/Matrix Support:

Armaments R&D Center (Picatinny Arsenal, NJ)

#### Program Management Support:

Tank-Automotive and Armaments Command (TACOM) (Warren, MI)

#### Testing:

Yuma Proving Ground (Yuma, AZ)

Aberdeen Test Center (Aberdeen Proving Ground, MD)

