

Precision Guidance Kit (PGK)

INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance

MISSION

Improves the accuracy of existing conventional artillery ammunition.

DESCRIPTION

The Precision Guidance Kit (PGK) is an affordable Global Positioning System (GPS) guidance kit with fuzing functions that is compatible with the existing stockpile of conventional cannon artillery projectiles. PGK uses an integrated GPS receiver to correct the inherent errors associated with ballistic firing solutions, reducing the number of artillery projectiles required to attack targets. The increase in efficiency and effectiveness offered by PGK provides commanders the operational capability to defeat more targets with the same basic load, while reducing the logistics burden associated with the current mission requirement.

The PGK program is following an incremental program approach. Increment 1, the XM1156 PGK, will be compatible with 155mm high explosive (HE) projectiles fired from the M109A6 Paladin and M777A2 Joint Lightweight 155mm Howitzer. Future increments could expand this capability to 105mm HE and cargo cartridges (to be fired from the M119A3 Howitzer), 155mm cargo projectiles, and improvements in accuracy and anti-jam capability.

SYSTEM INTERDEPENDENCIES

None

PROGRAM STATUS

- **Current:** Increment 1 program is in engineering and manufacturing development

PROJECTED ACTIVITIES

Increment 1

- **FY12:** Initial operational capability

ACQUISITION PHASE

Technology Development

Engineering & Manufacturing Development

Production & Deployment

Operations & Support

Precision Guidance Kit (PGK)

FOREIGN MILITARY SALES

None

CONTRACTORS

Increment 1

Prime:

Alliant Techsystems (Plymouth, MN)

Subcontractor:

L-3 Interstate Electronics Corp.
(Anaheim, CA)

