

# Precision Guidance Kit

## INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance

### MISSION

To improve 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. The 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 M107, M549A1, and M795 155mm high explosive (HE) projectiles, and be designed to fire from the M109A6 Paladin and

M777A2 Joint Lightweight 155mm Howitzer. Increment 2 will add the M1, M913, M760, and M927 105mm HE projectiles (to be fired from the M119A3 Howitzer), and also improve accuracy. Increment 3 will add 105mm and 155mm cargo projectiles, and implement compatibility with the Early Infantry Brigade Combat Team (E-IBCT) Non Line of Sight-Cannon.

### PROGRAM STATUS

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

### PROJECTED ACTIVITIES

#### Increment 1

- **2QFY10:** Initial operations testing and evaluation
- **4QFY10:** Type classification standard and full-materiel release

#### Increment 2

- **2QFY10:** Milestone B, PGK Increment 2

## ACQUISITION PHASE

Technology Development

Engineering & Manufacturing Development

Production & Deployment

Operations & Support

## Precision Guidance Kit

## FOREIGN MILITARY SALES

None

## CONTRACTORS

## Increment 1

## Prime:

Alliant Techsystems (Plymouth, MN)

## Subcontractor:

L-3 Interstate Electronics Corp.  
(Los Angeles, CA)