

Individual Semi-Automatic Airburst System (ISAAS)-XM25

INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance

MISSION

Provides the Soldier with a “smart” revolutionary weapon system that breaks the current small arms direct fire parity and dramatically increases our forces’ lethality and range with a family of 25mm programmable ammunition.

DESCRIPTION

The XM25 Individual Semi-Automatic Airburst System (ISAAS) enables the small unit and individual Soldier to engage defilade targets by providing a 25mm air-bursting capability that can be used in all operational environments. The ISAAS is an individually fired, semi-automatic, man-portable weapon system. An individual Soldier employing basic rifle marksmanship skills can effectively engage exposed or defilade targets in just seconds out to 700 meters.

The system allows the individual Soldier to quickly and accurately engage targets by producing an adjusted aimpoint based on range, environmental factors, and user inputs. The target acquisition/fire control integrates thermal capability with direct-

view optics, laser rangefinder, compass, fuze setter, ballistic computer, and an internal display.

The ISAAS reduces the reliance of small units on non-organic assets (mortars, artillery, and air support) and the need to compete for priority of fires when time is critical. In addition to air bursting ammunition, a family of ammunition is being developed to support other missions, which could include armor-piercing and nonlethal scenarios.

SYSTEM INTERDEPENDENCIES

None

PROGRAM STATUS

- **2QFY11:** Capabilities Development Document approved
- **1QFY11:** Milestone B Decision
- **1QFY-4QFY11:** Prototype units engaged in OEF Forward Operational Assessment (FOA)
- **2QFY11:** Engineering & Manufacturing Development (EMD) contract awarded
- **3QFY11:** Integrated Baseline Review
- **3QFY11:** System Requirements Review

PROJECTED ACTIVITIES

- **2QFY11-2QFY14:** Conduct EMD phase
- **1QFY12:** FOA continuation
- **1QFY13:** Conduct Government Development Testing
- **2-4QFY13:** Milestone C decision

ACQUISITION PHASE

Technology Development

Engineering and Manufacturing Development

Production and Deployment

Operations and Support

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FOREIGN MILITARY SALES

None

CONTRACTORS

Prime:

Alliant Techsystems (Plymouth, MN)

25mm Airburst Weapon:

H&K GmbH (Oberdorf, Germany)

Target Acquisition/Fire Control:

L-3 Communications/Brashear (Pittsburgh, PA)

25mm Ammunition:

Alliant Techsystems (Plymouth, MN)

