

# Prophet

## INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance

## MISSION

To improve battlespace awareness using electronic support sensors that detect, collect, identify, and locate selected emitters; enhances combat effectiveness using electronic warfare against targeted enemy command and control nodes.

## DESCRIPTION

Prophet is a ground-based tactical signals intelligence/electronic warfare sensor that creates a near-real-time electronic picture of the Brigade Combat Team (BCT), Stryker Brigade Combat Team, Armored Cavalry Regiment, and Battlefield Surveillance Brigade battlespace. Prophet provides intelligence support by reporting the location, tracking, and identity of threat emitters. A secondary mission is Electronic Attack (EA) against enemy emitters. The Prophet Spiral I Electronic Support (ES) system is being fielded to Active and Reserve

units in support of Operation Enduring Freedom and Operation Iraqi Freedom. The Prophet Spiral 1 ES system provides an increase in capability over the existing Prophet Block I system. Prophet consists of ground collection sensors capable of early entry and airborne insertion. The base dismounted Prophet capability provides force protection information from a man-pack system. Mounted Prophet sensors have an on-the-move collection and reporting capability; they enable Prophet to keep pace with supported units and reposition collection capability easily on the battlefield. Prophet will cross-cue other battlefield sensors and provide additional information that may confirm intelligence from other manned/unmanned battlefield sensors. Prophet EA is packaged in a High Mobility Multipurpose Wheeled Vehicle (HMMWV) trailer, towed behind the ES systems, providing both stationary and on-the-move capabilities. The Prophet Enhanced System will provide an increase in capability over the existing Prophet Spiral 1 ES sensor. Prophet Enhanced production contract was awarded on February 25, 2009. Prophet employs an open systems

architecture, modular design, and nonproprietary industry standards, supporting evolutionary growth and expansion via circuit card assemblies and software upgrades. This capability will be used to maintain relevancy on the battlefield and keep pace with technology advancements via a product improvement program to insert planned improvements and new unplanned capabilities into the Spiral 1 ES Sensor and Prophet Enhanced System.

## SYSTEM INTERDEPENDENCIES

Trojan lightweight integrated telecommunications equipment, tactical radio communications systems, light tactical vehicles and assured mobility systems, global positioning system, WIN-T for Wideband Beyond-Line-of-Site Communications (WBLOS), Distributed Communications Ground System Army (DCGS-A)

## PROGRAM STATUS

- **3QFY08:** Completed Prophet EA limited user test
- **3QFY08–1QFY09:** Continued fielding Prophet ES Spiral 1 systems to Army Transformation BCTs and National Guard

- **3QFY08–1QFY09:** Began defielding Prophet Block I systems
- **4QFY08:** Awarded Engineering Change Proposal to replace VRC-99 with WBLOS satellite communications on Prophet ES Spiral 1

## PROJECTED ACTIVITIES

- **2QFY09:** Award Prophet enhanced contract award
- **2QFY09–4QFY09:** Continue Prophet Block I fieldings to National Guard
- **2QFY09–1QFY11:** Continue Prophet ES Spiral 1 fieldings
- **2QFY09–1QFY11:** Continue to defield Prophet Block I systems as Prophet ES Spiral 1 systems are fielded
- **3QFY09:** Prophet ES 1 first unit equipped with WBLOS satellite communications on-the-move
- **1QFY10:** Operational assessment for Prophet ES Spiral 1 with WBLOS SOTM
- **2QFY10:** Prophet Enhanced Quick Reaction Capability first unit equipped
- **2QFY10:** Prophet Enhanced first unit equipped

## ACQUISITION PHASE

Technology Development

Engineering & Manufacturing Development

Production & Deployment

Operations & Support

## Prophet

### FOREIGN MILITARY SALES

None

### CONTRACTORS

**Prophet Enhanced sensor production:**

General Dynamics (Scottsdale, AZ)

**Prophet ES Spiral 1 sensor and control production:**

L-3 Communications (San Diego, CA;  
Melbourne, FL)

