

Improves battlespace awareness using communications intelligence sensors that detect, collect, identify, and locate selected emitters, and enhances combat effectiveness using electronic warfare against targeted enemy command and control nodes.



DESCRIPTION AND SPECIFICATIONS

Prophet provides an electronic warfare (EW) capability and near-real-time picture of the brigade/armored cavalry regiment, Stryker Brigade Combat Team (SBCT), unit of action (UA) battlespace. Prophet detects, collects, and exploits conventional and modern military emitters. A secondary mission is electronic warfare against selected enemy emitters to interrupt, spoof, disrupt, and/or disable target command and control nodes.

Prophet is mounted on a High Mobility Multipurpose Wheeled Vehicle (HMMWV), with a seven-meter antenna mast that can be erected quickly. Prophet also has a dismounted man-pack version that supports airborne, early entry, and urban operations. Both configurations provide intelligence support to a division, Stryker/heavy/light brigade, regiment, UA, or task force.

This intelligence support provides indications, warning, location, tracking, and identification of threat emitters. Prophet will cross-cue other battlefield sensors (e.g. tactical unmanned aerial vehicles, PBS2 radars, etc.) as well as provide additional data that may confirm indications and detections from the other manned and unmanned battlefield sensors.

Prophet will replace the current tactical communications intelligence legacy systems, which include the AN/TSQ-138 Trailblazer, the AN/TRQ-32 Teammate, the AN/TLQ-17A Trafficjam, and the AN/PRD-12 Lightweight Man-Transportable Radio Direction Finding Set. Prophet employs open systems architecture, modular design, and nonproprietary industry standards that support evolutionary growth and expansion via circuit card assemblies and software versus wholesale hardware replacement.

This open system architecture supports the insertion of off-the-shelf technology upgrades to meet unique theater collection requirements. This technology insertion has proven very effective

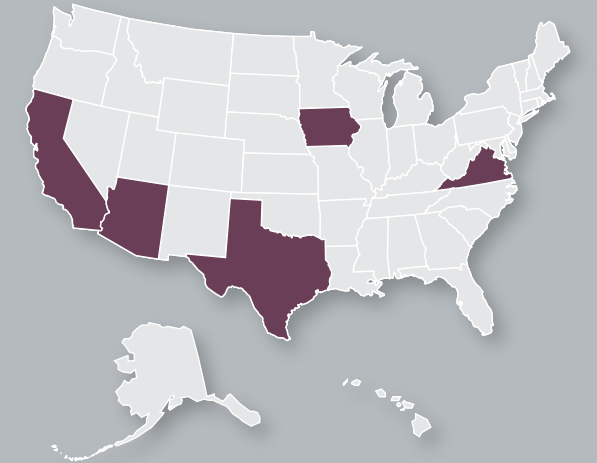
in both Operation Iraqi Freedom and Operation Enduring Freedom. The Prophet system will be procured under a block acquisition approach, which will ensure preplanned product improvements, standardization, enhanced sustainability, smaller and lighter force structure, improved mobility, and reduced footprint and logistics. Prophet will impact the Future Force as the Block III technologies will be leveraged by the Future Combat System.

PROGRAM STATUS

- **3QFY04-1QFY05** Fielded 19 Prophet Block I systems
- **FY04-2QFY05** Prophet Block II/III system development and demonstration
- **4QFY04** Prophet Block II/III developmental Test 1

PROJECTED ACTIVITIES

- **2QFY05-1QFY06** Continue Prophet Block I fieldings
- **2QFY05** Prophet Block II/III limited user testing
- **3QFY05** Prophet Block II/III operational assessment
- **3QFY05** Prophet Block II/III Milestone C decision
- **3QFY05** Prophet Block II/III low-rate initial production
- **4QFY05** Prophet Block II/III first unit equipped



CONTRACTORS

- **Prophet Block I Production:** Titan Systems (San Diego, CA)
- **Prophet Block II/III Development:** General Dynamics Decision Systems (Scottsdale, AZ)
- **Prophet Block II Development:** Rockwell Collins (Cedar Rapids, IA)
- **Prophet Block III Development:** Raytheon (Falls Church, VA)
- **Prophet Block III Development:** Eclipse Electronic Systems (Richardson, TX)

INVESTMENT COMPONENT

Modernization

ACQUISITION PHASE

- System Development and Demonstration
- Production and Deployment