

Prophet

INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance

MISSION

Provides a near-real-time picture of the battlespace through the use of signals intelligence sensors with the capability to detect, identify, and locate selected emitters.

DESCRIPTION

Prophet is a 24-hour, all-weather, near-real-time, ground-based tactical signals intelligence/electronic warfare capability organic to the Brigade Combat Team (BCT), Stryker BCT, Armored Cavalry Regiment, and Battlefield Surveillance Brigade. Prophet contains two to four Electronic Support (ES) 1/Enhanced Systems and one to two Controls/Prophet Analysis Cells (PACs). Prophet provides near-real-time force protection, situational awareness, and actionable intelligence by reporting the location, tracking, and identification of radio frequency emitters. It is interoperable on the Global Signals Intelligence Enterprise, delivering collected data to

common databases for access by the intelligence community. Prophet's tactical mobility allows supported units to easily reposition its collection capability on the battlefield to support evolving situations.

The Prophet Enhanced System is a non-platform dependent modular system that will allow easy integration onto a vehicle. The Sensor supports both Stationary and On-The-Move (Mobile) Operations simultaneously. The Mobile configuration also has the capability to support Manpack Operations. The Prophet Enhanced System provides increased capability over existing Prophet ES 1 Systems. The Prophet Enhanced System was accelerated to provide upgraded capability integrated on an XM1229 Medium Mine Protected Vehicle to provide better crew protection and was fielded to units in preparation for deployment in support of Operation Enduring Freedom.

Prophet ES System is integrated on an armored M1165 High Mobility Multipurpose Wheeled Vehicle (HMMWV). The Prophet ES 1 System was fielded to active and reserve units in support of Operation Enduring

Freedom/Operation New Dawn. Some Prophet ES 1 Systems were provided Wideband Beyond-Line-of-Site (WBLOS) capabilities, which is based on the present PM Warfighter Information Network-Tactical (WIN-T) architecture. This capability allows operation without the constraints of line-of-sight communication, increasing the system's capability to operate at extended distance and perform distributed operations. All Prophet Enhanced Systems have this capability.

Prophet Control (PC) is integrated on an armored M1165 HMMWV. PC/PAC is the analytical node that tasks the Prophet ES 1 and Enhanced Systems for data collection and reporting. Each PC/PAC contains Satellite Communications (SATCOM). The PC has TROJAN-Lightweight Integrated Telecommunications Equipment (T-Lite) and PAC has a SATCOM Capability Set.

SYSTEM INTERDEPENDENCIES

Other Major Interdependencies

Global Positioning System, Trojan-Lightweight Integrated Telecommunications Equipment,

Tactical Radio Communications Systems, Light Tactical Vehicles, and Assured Mobility Systems

PROGRAM STATUS

- **1QFY11-4QFY11:** Fielded Prophet ES 1 and Prophet Enhanced Systems
- **1QFY11-4QFY11:** Defield Prophet Block I systems as Prophet ES 1 and Prophet Enhanced Systems are fielded
- **3QFY11:** Prophet Enhanced Systems fielded to 504th Battlefield Surveillance Brigade (BfSB)

PROJECTED ACTIVITIES

- **1QFY12-4QFY12:** Continue Prophet ES 1 and Prophet Enhanced Systems fieldings
- **1QFY12-4QFY12:** Continue to defield Prophet Block I systems as Prophet ES 1 and Prophet Enhanced Systems are fielded
- **2QFY12:** Prophet Analysis Cell (PAC)

ACQUISITION PHASE

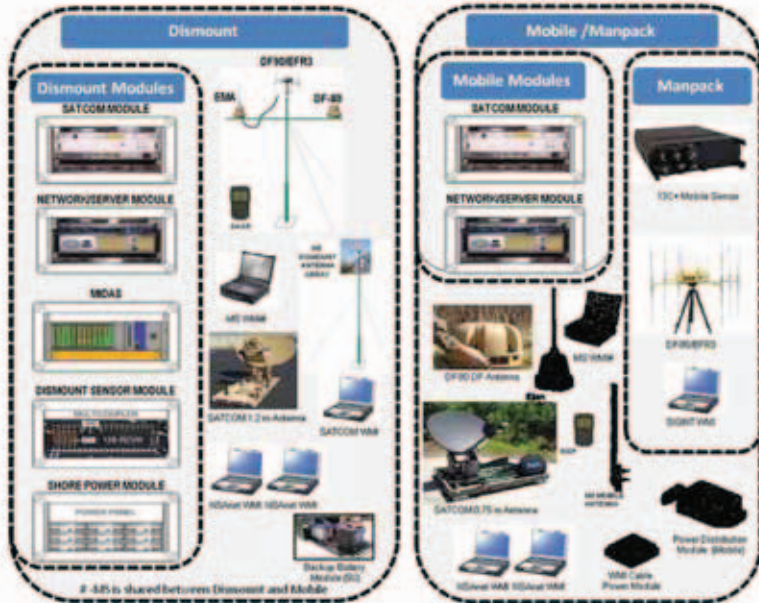
Technology Development

Engineering and Manufacturing Development

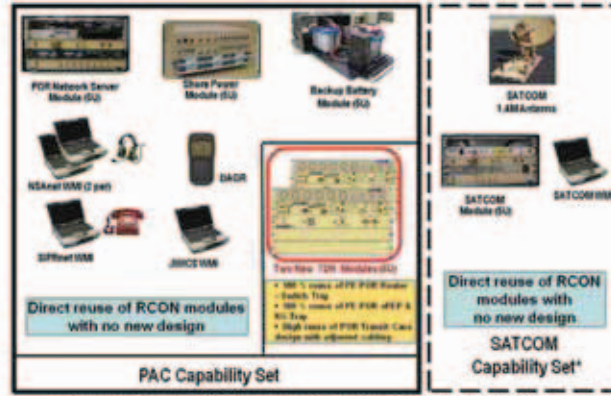
Production and Deployment

Operations and Support

Prophet Enhanced



Prophet Analysis Cell



* Currently Required by CPD but may be satisfied by Organic Brigade SATCOM



Prophet

FOREIGN MILITARY SALES

None

CONTRACTORS

Prophet Enhanced Sensor/Analysis Cell

Production:

General Dynamics (Scottsdale, AZ)

