

Warfighter Information Network-Tactical (WIN-T) Increment 2

INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance

MISSION

Provides “initial networking on-the-move” as a converged tactical communications and transport layer network leveraging proven commercial and government technology, enabling Joint land forces to engage enemy forces deeper and more effectively, while incurring fewer losses.

DESCRIPTION

Warfighter Information Network-Tactical (WIN-T) Increment 2 accelerates delivery of a self-forming, self-healing mobile network infrastructure via commercial off-the-shelf and government off-the-shelf technologies. Increment 2 leverages an early release of the objective Highband Networking Waveform running on the Highband Networking Radio to provide high throughput line-of-sight communications and leverages an early

release of the objective Net Centric Waveform on a ruggedized R-MPM-1000 modem for on-the-move (OTM) satellite communications enabling greater situational awareness and command and control. Multiple configuration items tailor capability from division down to company. It provides an accelerated delivery of network operations capability that allows management, prioritization, and protection of information while reducing organizational and operational support.

Increment 2 network operations include automated planning, on-the-move node planning, automated link planning for currently fielded systems, initial automated spectrum management, initial quality of service planning and monitoring, and over-the-air network management and configuration of WIN-T radios. Additionally, Increment 2 network operations automates the initial Internet Protocol planning and routing configurations.

Fielding is planned to 54 Brigade Combat Teams and 10 Divisions by 2018.

SYSTEM INTERDEPENDENCIES

In this Publication

Bradley Fighting Vehicle Systems Upgrade, Distributed Common Ground System-Army (DCGS-A), Integrated Air and Missile Defense (IAMD), Joint Tactical Radio System Ground Mobile Radios (JTRS GMR), Joint Tactical Radio System Handheld, Manpack, Small Form Fit (JTRS HMS), Mine Resistant Ambush Protected Vehicles (MRAP), Single Channel Ground and Airborne Radio System (SINCGARS), Stryker Family of Vehicles, Warfighter Information Network-Tactical (WIN-T) Increment 1, Warfighter Information Network-Tactical (WIN-T) Increment 3

Other Major Interdependencies

Battle Command Servers (BCS), Enhanced Position Location and Reporting System (EPLRS), Light Tactical Vehicle (LTV), Tactical NW Operations Security Center (TNOSC), Wideband Gapfiller

PROGRAM STATUS

- **1QFY11:** Low-Rate Initial Production (LRIP) Lots 1B and 2 Contract Award
- **2QFY11-3QFY11:** Production Qualification Test (Contractor)

- **3QFY11:** Logistics demonstration
- **4QFY11:** Product qualification test (Government)

PROJECTED ACTIVITIES

- **2QFY12:** Cold Region Test; New Equipment Training (NET)
- **3QFY12:** Force Development Test
- **3QFY12:** Initial Operational Test
- **4QFY12:** Full-Rate Production Decision Review
- **4QFY12:** First Unit Equipped
- **3QFY13:** Initial Operational Capability

ACQUISITION PHASE

Technology Development

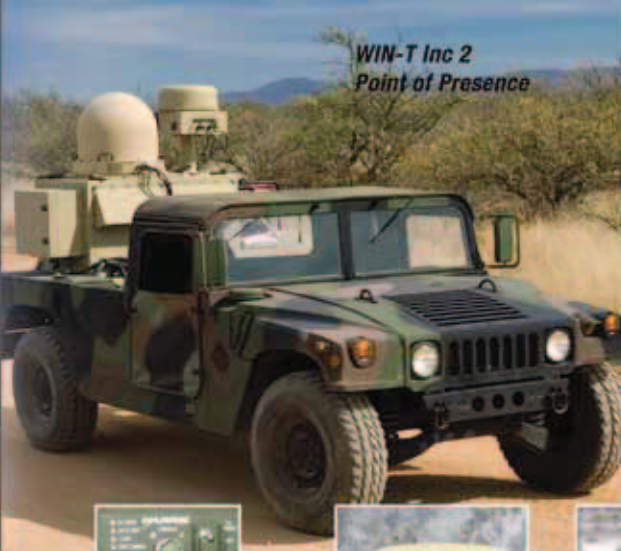
Engineering and Manufacturing Development

Production and Deployment

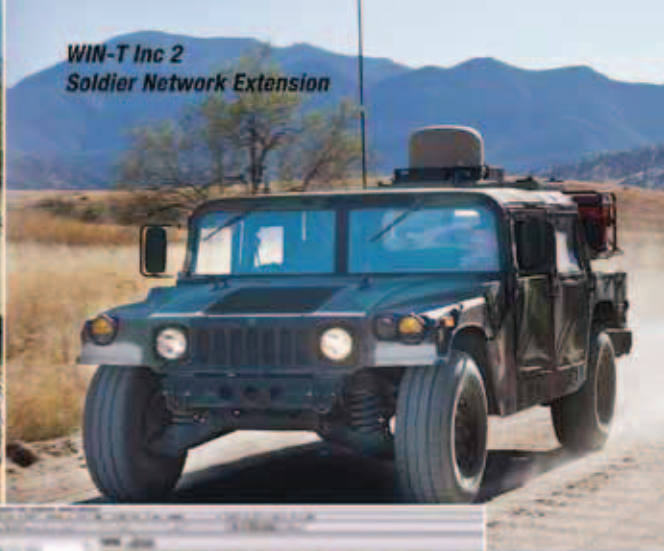
Operations and Support

Warfighter Information Network-Tactical (WIN-T) Increment 2

Initial Networking On The Move



WIN-T Inc 2 Point of Presence



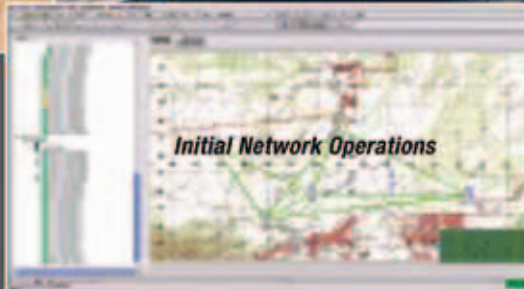
WIN-T Inc 2 Soldier Network Extension



Highband Networking Waveform Line of Sight Radio



Highband Networking Waveform Line of Sight Antenna



Initial Network Operations



R-MPM 1000 Modem



< On-The-Move SATCOM Antenna



WIN-T Inc 2 Tactical Communications Node (While Stationary)



WIN-T Inc 2 Tactical Communications Node (While Mobile)



FOREIGN MILITARY SALES

None

CONTRACTORS

WIN-T System:

Prime:

General Dynamics (Taunton, MA)

Subcomponent:

Lockheed Martin (Gaithersburg, MD)

Subcontractors:

Harris Corp. (Melbourne, FL)

L-3 Communications (San Diego, CA)

General Dynamics (Richardson, TX)

