

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 includes 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 41 Brigade Combat Teams and nine Divisions by 2017.

SYSTEM INTERDEPENDENCIES

Bradley Fighting Vehicle Systems Upgrade; Distributed Common Ground System–Army (DCGS-A); Integrated Air and Missile Defense (IAMD); Joint

Light Tactical Vehicle (JLTV); Joint Tactical Radio System Ground Mobile Radios (JTRS GMR); Joint Tactical Radio System Handheld, Manpack, Small Form Fit (JTRS HMS); Single Channel Ground and Airborne Radio System (SINCGARS); WIN-T Increment 1; WIN-T Increment 3

PROGRAM STATUS

- **1QFY09:** Developmental test
- **2QFY09:** Limited user test
- **2QFY10:** Milestone C, enter low-rate initial production

PROJECTED ACTIVITIES

- **1QFY11:** Product qualification test (Contractor)
- **2QFY11:** Logistics demonstration
- **3QFY11:** Product qualification test (Government)
- **4QFY11:** Force development test
- **1QFY12:** Initial operational test
- **2QFY12:** Full-rate production decision review
- **2QFY12:** Cold region test
- **3QFY12:** First unit equipped
- **1QFY13:** Initial operational capability

ACQUISITION PHASE

Technology Development

Engineering & Manufacturing Development

Production & Deployment

Operations & Support

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

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)



*WIN-T Inc 2
Point of Presence*



*WIN-T Inc 2
Soldier Network Extension*

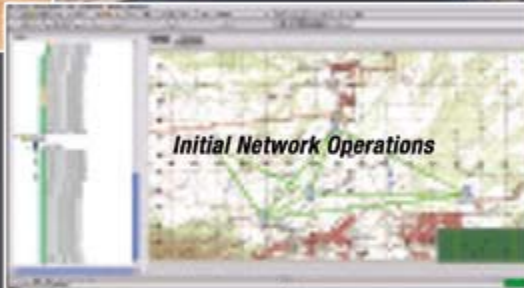
*Initial
Networking
On The Move*



*Highband Networking
Waveform Line of Sight
Radio*



*Highband Networking
Waveform Line of Sight
Antenna*



Initial Network Operations



*< On-The-Move
SATCOM
Antenna*



R-MPM 1000 Modem



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

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

