

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

INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance

MISSION

To provide “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

WIN–T Increment 2 accelerates delivery of a self-forming, self-healing mobile communication/transport layer network 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 MPM-1000 modem for on-the-move 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.

SYSTEM INTERDEPENDENCIES

None

PROGRAM STATUS

- **1QFY09:** Developmental test
- **2QFY09:** Limited user test

PROJECTED ACTIVITIES

- **1QFY10:** Milestone C, entering low rate initial production
- **3QFY10:** Production qualification test (contractor)
- **2QFY11:** Logistics demonstration
- **2QFY11:** Product qualification test (government)
- **2QFY11:** Cold Region Test
- **4QFY11:** Initial operational test
- **1QFY12:** Full rate production decision review
- **2QFY12:** First unit equipped
- **4QFY12:** Initial operational capability

ACQUISITION PHASE

Technology Development

Engineering & Manufacturing Development

Production & Deployment

Operations & Support

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

WIN-T Increment 2 - Initial Networking On The Move



**Highband
Networking
Line of Sight
Radio**



**Highband
Networking
Line of Sight
Antenna
(Highband
Radio
Frequency Unit
Antenna)**



**WIN-T Inc 2 Soldier
Network Extension**

**Tactical
Communications
Node**



Initial Network Operations Capability



**On the move
Satellite
Communications
Antenna (Satellite
Radio Frequency
Unit Antenna)**



**MPM 1000 Modem for
satellite Communications**

FOREIGN MILITARY SALES

None

CONTRACTORS

- General Dynamics C4 Systems (Taunton, MA)
- Lockheed Martin Mission Systems (Gaithersburg, MD)
- Harris Corp. (Palm Bay, FL)
- BAE Systems (Wayne, NJ)
- L-3 Communications (San Diego, CA)

