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

INVESTMENT COMPONENT

- **Modernization**
- Recapitalization
- Maintenance

MISSION

Provides initial networking on-the-move, enabling Joint land forces to engage enemy forces deeper and more effectively.

DESCRIPTION

Warfighter Information Network–Tactical (WIN-T) Increment 2 accelerates the delivery of a self-forming, self-healing mobile network infrastructure via commercial off-the-shelf and government off-the-shelf technologies. As a converged tactical communications and transport layer network, 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. It also 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 the division level down to the company level. 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 automate the initial Internet Protocol planning and routing configurations.

WIN-T Increment 2 is part of Capability Set 13, the Army's first package of network components, associated equipment, and software that provides integrated connectivity from the static tactical operations center to the commander on-the-move to the dismounted Soldier.

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 Handheld, Manpack, Small Form Fit (JTRS HMS), Mine Resistant Ambush Protected Vehicles (MRAP), Single Channel Grou nd 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, Ground Combat Vehicle (GCV)

Other Major Interdependencies

Battle Command Servers (BCS), Enhanced Position Location and Reporting System (EPLRS) (Stryker Brigade Combat Teams only), Joint Light Tactical Vehicle (JLTV), Tactical NW Operations Security Center (TNOSC), Wideband Global SATCOM (WGS)

PROGRAM STATUS

- **2QFY12:** Cold Region Test; New Equipment Training (NET)
- **3QFY12:** Initial Operational Test (IOT); Force Development Test/ Evaluation (FDT/E); Production Readiness Review
- **4QFY12:** Full-rate production decision review; First Unit Equipped
- **1QFY13:** Begin fielding CS 13 to brigade combat teams

PROJECTED ACTIVITIES

- **3QFY13:** Initial operational capability

ACQUISITION PHASE

Technology Development	Engineering & Manufacturing Development	**Production & Deployment**	Operations & Support

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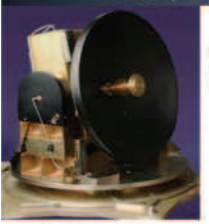
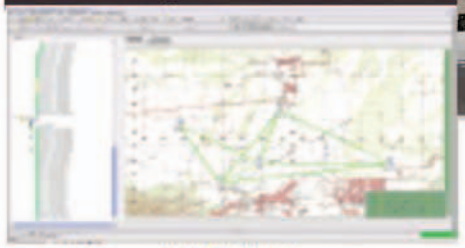


On-The-Move SATCOM Antenna

RMPM-1000



Initial Network Operations

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)