Warfighter Information Network–Tactical (WIN-T) Increment 1

INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance

MISSION
Provides the warfighter seamless, assured, mobile communications, along with advanced network management tools.

DESCRIPTION
Warfighter Information Network–Tactical (WIN-T) Increment 1 is the Army's current and future tactical network, representing a generational leap forward in enabling widely dispersed, highly maneuverable units to communicate. Increment 1 is a converged tactical communications network providing voice, data, and video capability to connect the battalion-level warfighter. It allows greater flexibility of troop movement and is scalable to meet the mission commander's requirements. It is divided into two sub-increments defined as Increment 1a, "extended networking at-the-halt," and Increment 1b, "enhanced networking-at-the-halt." Increment 1 is a rapidly deployable, early entry system housed in a Lightweight Multipurpose Shelter (LMS) and mounted on an Expanded Capacity High Mobility Multipurpose Wheeled Vehicle for roll-on/rolloff mobility.

WIN-T Increment 1a upgrades the former Joint Network Node satellite capability to access the Ka-band defense Wideband Global SATCOM (WGS) system, reducing the reliance on commercial Ku-band satellites.

WIN-T Increment 1b introduces the Network Centric Waveform, a dynamic wave form that optimizes bandwidth and satellite utilization. It also introduces a colorless core security architecture, which meets Global Information Grid Information Assurance security compliance requirements and incorporates industry standards for network operations and intrusion detection.

WIN-T Increment 1 is a Joint compatible communications package that allows the warfighter to use advanced networking capabilities, interface to legacy systems, retain interoperability with Current Force systems, and keep in step with future increments of WIN-T.

SYSTEM INTERDEPENDENCIES
In this Publication
Warfighter Information Network Tactical (WIN-T) Increment 2, Warfighter Information Network Tactical (WIN-T) Increment 3

Other Major Interdependencies
Area Common User System Modernization (ACUS Mod), Army Battle Command System, Command and Control On The Move (C2OTM), Global Positioning System (GPS), Teleport, Secure Mobile Anti-Jam Reliable Tactical-Terminal (SMART-T), Tactical Operations Center System (TOCS)

PROGRAM STATUS
- **3QFY12:** Increment 1b Modification Work Order (MWO)verification test
- **4QFY12:** Increment 1a completed fielding

PROJECTED ACTIVITIES
- **2QFY13-2QFY15:** Increment 1b MWO Fielding
- **2QFY13-2QFY15:** Increment 1a End of Life (EOL) Tech Refreshments

ACQUISITION PHASE

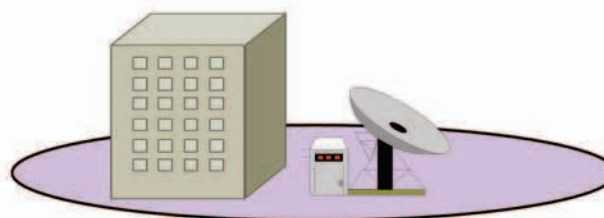| Technology Development	Engineering & Manufacturing Development	Production & Deployment	Operations & Support

Joint Network Node (JNN)

Tactical Hub

Satellite Terminal Trailer (STT)

Battalion Command Post Node

Fixed Regional Hub Node (FRHN)

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FOREIGN MILITARY SALES
None

CONTRACTORS
Increment 1b colorless core kits production and integration:
General Dynamics C4 Systems, Inc. (Taunton, MA)
Transportable Terminals:
General Dynamics SATCOM Technologies (Duluth, GA)
PM Support:
Engineering Solutions and Products (Aberdeen, MD)
JANUS (Aberdeen, MD)