

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 allowing 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, allowing 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/roll-off mobility.

Increment 1a upgrades the former Joint Network Node satellite capability to access the Ka-band defense Wideband Global Satellite, reducing the reliance on commercial Ku-band satellites.

WIN-T Increment 1b introduces the Net Centric Waveform, a dynamic waveform 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

Advanced Field Artillery Tactical Data System (AFATDS), Secure Mobile Anti-Jam Reliable Tactical Terminal (SMART-T), WIN-T Increment 2, WIN-T Increment 3

Other Major Interdependencies

ACUS Mod, Army Battle Command System, Command Post of the Future, CPP, GPS, LOS (WARCOMS), MBCOTM, MIL SATCOM, MSE, SICPS, Teleport, THAAD, TOCS, TROPO

PROGRAM STATUS

- **1QFY09:** Increment 1a initial operational test
- **2QFY09:** Increment 1b limited user test
- **4QFY09:** Initial operational capability

PROJECTED ACTIVITIES

- **1QFY12:** Increment 1b operational test

ACQUISITION PHASE

Technology Development

Engineering & Manufacturing Development

Production & Deployment

Operations & Support

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FOREIGN MILITARY SALES

None

CONTRACTORS

Modem/Integration:

General Dynamics C4 Systems, Inc.
(Taunton, MA)

Transportable Terminals:

General Dynamics SATCOM Technologies
(Duluth, GA)

PM Support:

Engineering Solutions and Products (ESP)
(Eatontown, NJ)
SRC (Shrewsbury, NJ)



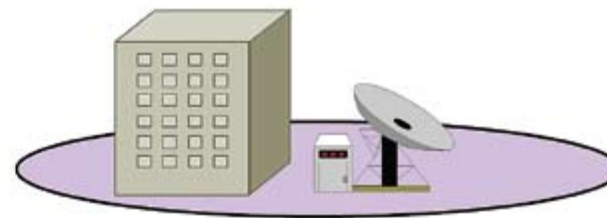
Joint Network Node (JNN)



Battalion Command Post Node



Tactical Hub



Fixed Regional Hub Node (FRHN)

Satellite Terminal Trailer (STT)

