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

INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance

MISSION
To provide "networking at-the-halt" capability down to battalion level using high-speed, high-capacity voice, data, and video communications in the area of operations that employ internet standards.

DESCRIPTION
Warfighter Information Network–Tactical (WIN–T) Increment 1 represents 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. 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 (HMMWV) for roll-on/roll-off mobility.

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

WIN–T Increment 1b introduces the Net 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

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

SYSTEM INTERDEPENDENCIES
None

PROGRAM STATUS
- **1QFY09:** Increment 1a initial operational test
- **2QFY09:** Increment 1b limited user test

PROJECTED ACTIVITIES
- **4QFY11:** Increment 1b operational test

ACQUISITION PHASE

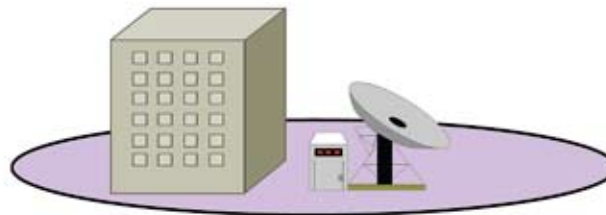| Technology Development	Engineering & Manufacturing Development	Production & Deployment	Operations & Support

UNITED STATES ARMY

Joint Network Node (JNN)

Battalion Command Post Node

Tactical Hub

Fixed Regional Hub Node (FRHN)

Satellite Terminal Trailer (STT)

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

FOREIGN MILITARY SALES
None

CONTRACTORS
General Dynamics C4 Systems
  (Taunton, MA)
General Dynamics SATCOM Tech
  (Duluth, GA)
Data Path, Inc. (Duluth, GA)