

Warfighter Information Network–Tactical (WIN-T) Increment 3

INVESTMENT COMPONENT

- Modernization
- Recapitalization
- Maintenance

MISSION
Provides full networking on-the-move as a mobile, multi-tiered, tactical communications/transport layer network, enabling Joint land forces to engage enemy forces effectively.

DESCRIPTION
The Warfighter Information Network–Tactical (WIN-T) Increment 3 enables the full-objective mobile, tactical network distribution of command, control, communications, computers, intelligence, surveillance, and reconnaissance information via voice, data, and real-time video. Building on previous increments, Increment 3 provides more robust connectivity and greater network access via military specification radios, higher bandwidth satellite communications (SATCOM) and line-of-sight (LOS) waveforms, an aerial tier (LOS airborne relay), and integrated network operations. It manages, prioritizes, and protects information through network operations (network management, quality of service, and information assurance) while reducing organizational and operational

support. WIN-T Increment 3 ensures communications interoperability with Joint, allied, coalition, Current Force, and commercial voice and data networks. Using communications payloads mounted on Unmanned Aerial Systems, Increment 3 increases network reliability and robustness. It extends connectivity and provides increased Soldier mobility, providing constant mobile communications.

SYSTEM INTERDEPENDENCIES
In this Publication
Bradley Fighting Vehicle Systems Upgrade, Integrated Air and Missile Defense (IAMD), Joint Tactical Radio System Ground Mobile Radios (JTRS GMR), Joint Tactical Radio System Handheld, Manpack, Small Form Fit (JTRS HMS), Distributed Common Ground System–Army (DCGS-A), Stryker Family of Vehicles, Warfighter Information Network–Tactical (WIN-T) Increment 1, Warfighter Information Network Tactical (WIN-T) Increment 2, Mine Resistant Ambush Protected Vehicles (MRAP), Single Channel Ground and Airborne Radio System (SINCGARS), Ground Combat Vehicle (GCV)

Other Major Interdependencies
BCT Modernization, Enhanced Position Location and Reporting System (EPLRS) (for Stryker Brigade Combat Teams only), Light Tactical Vehicle (LTV), Unmanned Aircraft Systems (UAS), Tactical NW Operations and Security Center (TNOSC), Wideband Global SATCOM (WGS)

PROGRAM STATUS
• **3QFY12:** Transmission Subsystem (TSS) In Process Review

PROJECTED ACTIVITIES
• **3QFY13:** Transmission Subsystem Critical Design Review (CDR)
• **4QFY14:** Full Critical Design Review

ACQUISITION PHASE

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

Warfighter Information Network– Tactical (WIN-T) Increment 3

FOREIGN MILITARY SALES

None

CONTRACTORS

Prime:

General Dynamics (Taunton, MA, and
Sunrise, FL)

Subcomponent:

Lockheed Martin (Gaithersburg, MD)

Subcontractors:

Harris Corp. (Melbourne, FL)

BAE Systems (Wayne, NJ)

L-3 Communications (San Diego, CA)

Antenna

(High Band Radio
Frequency Unit)



Ground Only
HRFU-MT



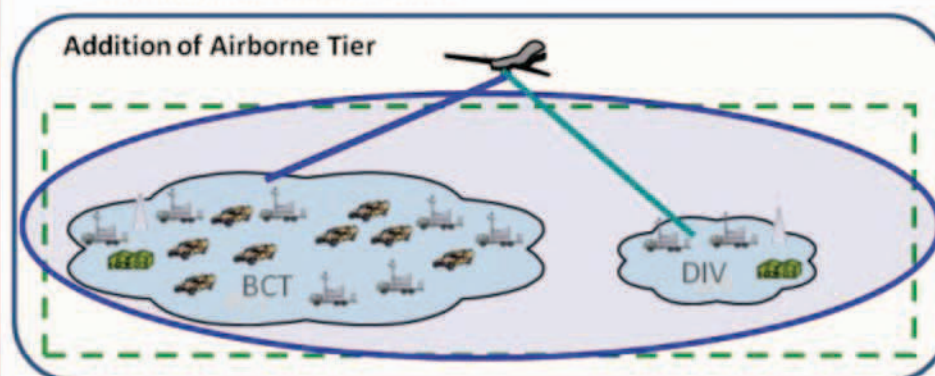
Air Only
HRFU-EK



2 Channel JC4ISR Air & Ground



Soldier Network
Extension



Full Network Operations



Tactical Communications
Node (White Mobile)

