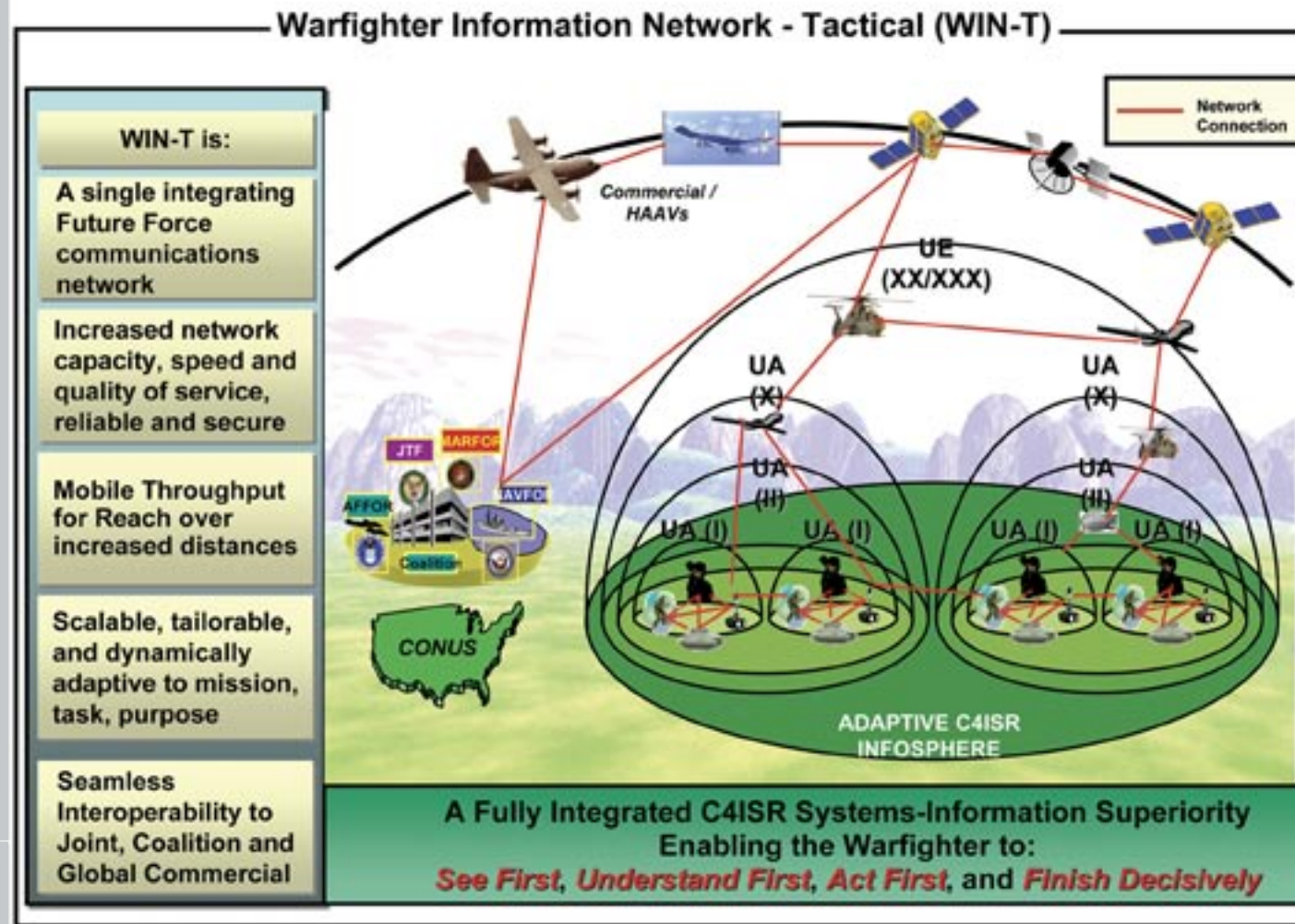


Warfighter Information Network-Tactical (WIN-T)

Provides an integrating, high-speed, high-capacity backbone communications network for the Current Force and Future Force.



DESCRIPTION AND SPECIFICATIONS

Warfighter Information Network-Tactical (WIN-T) is the Army's communications system for reliable, secure, and seamless video, data, imagery, and voice services that enable decisive combat actions. It will be focused on moving information in a manner that supports commanders, staff, functional units, and capabilities-based formations — all mobile, agile, lethal, sustainable, and deployable. It will be optimized for offensive and joint operations so that the theater Combatant Commander will have the capability to perform multiple missions simultaneously with campaign quality. WIN-T will establish an environment in which commanders at all echelons will have the ability to operate with virtual staffs and analytical centers that are located at remote locations throughout the battlespace.

As a key system supporting the Army's Current and Future Force, WIN-T meets the pressing need for efficient battlefield bandwidth utilization, optimal data throughput, on-the-move critical information exchange, and rapid infrastructure modernization. It will operate as the principal means to frame the tactical infosphere that encompasses both the unit of employment (UE) and unit of action areas of influence. This tactical infosphere will operate while mobile via its robust networking, with the ability to pass relevant information for systems combined arms capabilities in all terrain and under all environmental conditions.

WIN-T will outmode the present communications infrastructure (mobile subscriber equipment/tri-services tactical), which is force-structure intensive, has multiple subsystem assemblages, and has networking limitations.

WIN-T will consist of ground, airborne, and space layers that enable constant connectivity throughout units in theater, as well as sustaining base, Joint, Allied, and Coalition forces. Its prominent feature will be providing this capability while on the move.

Major components of WIN-T include:

- Switching/routing and subscriber access nodes (network service provider, on a single vehicle, targeted for UE echelons)
- Personal communications devices (cell phone-like capability) that can provide voice and data connectivity
- information assurance (provides an integrated Defense in Depth approach to protect sensitive and classified information)
- Information dissemination (information on demand, according to assigned level of precedence)
- Transmission systems (provides network connectivity)
- Network management (provides a means to plan, configure, monitor and manage the network)

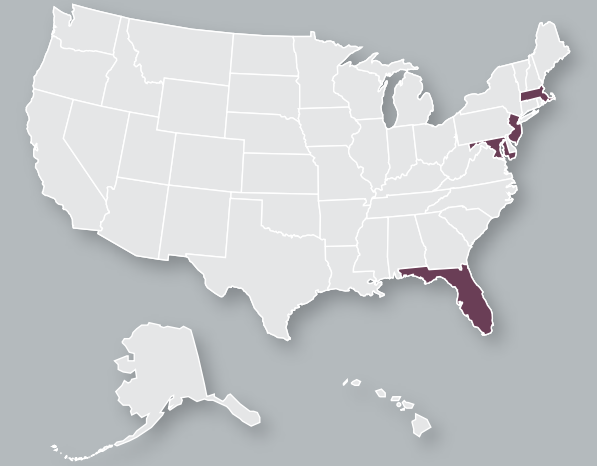
WIN-T capabilities will be spiraled into the Current Force and synchronized with rotations supporting Operation Enduring Freedom (OEF). WIN-Tactical is also synchronized with Future Combat Systems (FCS) and will provide that system's baseline communications transport and networking requirements.

PROGRAM STATUS

- 4QFY04** The Defense Acquisition Executive authorized a revised acquisition approach for the WIN-T program. This approach combines the two previously competing system development and demonstration contractors into a single team.
- 2QFY05** System design review 2

PROJECTED ACTIVITIES

- 3QFY05** Preliminary design review
- 4QFY05** Critical design review
- 1QFY06** Developmental test/operational test



CONTRACTORS

General Dynamics (Taunton, MA)
 Lockheed Martin Mission Systems (Gaithersburg, MD)
 Harris Corporation (Palm Bay, FL)
 BAE Systems (Wayne, NJ)

INVESTMENT COMPONENT

Modernization

ACQUISITION PHASE

- System Development and Demonstration