

## Warfighter Information Network – Tactical (WIN-T)

### Executive Summary

- The Army completed the Defense Acquisition Executive-directed integration of Joint Network Node (JNN) into the Warfighter Information Network – Tactical (WIN-T) program. WIN-T Increment 1 (formerly JNN) maintains an approved capabilities requirement, developed a DOT&E-approved Test and Evaluation Master Plan (TEMP), and completed its IOT&E in October 2008.
- The Army's delay in developing WIN-T Increment 2 capability documents slowed Increment 2 TEMP development and subsequent test planning.
- The scope of the WIN-T network requires multiple echelons to create representative test conditions. The scheduled WIN-T Increment 1 IOT&E has significant risks to test adequacy because of concerns about sufficient quantities of Increment 1a configuration items and the ability to operationally test the network from battalion through corps echelons.

### System

- WIN-T is a high-speed and high-capacity backbone communications network designed to be the Army's tactical intranet.
- WIN-T is intended to provide reliable, secure, and seamless communications for theater and below initially to Modular Brigade Combat Teams and then to Future Combat Systems (FCS) Brigade Combat Teams.
- The WIN-T program consists of four Increments:
  - Increment 1 (former JNN) Networking at the Halt enables the exchange of voice, video, data, and imagery throughout the tactical battlefield using a Ku and Ka satellite-based network.
  - Increment 2 Initial Networking on the Move provides command and control on the move down to the company level for maneuver brigades and implements the colorless core network capability.
  - Increment 3 Full Networking on the Move provides full mobility command and control, to include FCS support, for division and below.

### Activity

- The Army completed documentation for WIN-T Increment 1, including establishing Increment 1a requirements and an approved Increment 1 TEMP. Development continues for the Increment 1b requirements document (as pre-planned product improvement), the Increment 2 requirements document, and the Increment 2 TEMP. The Army also conducted the Preliminary Design Review for Increment 3.
- Section 115 of the FY08 National Defense Authorization Act restricted the Army to 50 percent expenditure or obligation



1 - Increment 1 Unit Hub Node  
 2 - Increment 1 Satellite Transport Terminal  
 3 - Increment 1 Joint Network Nodes  
 4 - Increment 1 Ku Satellite Trailer  
 5 - Operations in Shelter

- Increment 4 Protected Satellite Communications on the Move includes access to the next generation of protected satellites while retaining all previous on the move capabilities.

### Mission

Commanders at theater and below intend to use WIN-T to:

- Integrate satellite-based communications capabilities into an everything-over-Internet Protocol network to provide connectivity, while stationary, across an extended, non-linear battlefield and at remote locations (Increment 1)
- Provide division and below maneuver commanders with mobile communications capabilities to support initial command and control on the move (Increment 2)
- Provide division and below maneuver commanders with mobile communications capabilities to support full command and control on the move, support of the air tier, and support of FCS units (Increment 3)

### Prime Contractor

- General Dynamics

of FY08 amounts appropriated for WIN-T Increment 1 until DOT&E submits a certification to congressional defense committees of an approved Increment 1 TEMP and an approved Increment 1 Initial Operational Test Plan. DOT&E approved the WIN-T Increment 1 TEMP on August 4, 2008, and provided certification to Congress on October 17, 2008, upon completion of the WIN-T Increment 1 Initial Operational Test Plan.

# ARMY PROGRAMS

- The Army conducted its Increment 1 Operational Assessment in 4QFY08, its Increment 1 IOT&E in 1QFY09, and plans a combined Increment 2 Limited User Test and Increment 1b Limited User Test in 2QFY09.

## Assessment

- The WIN-T program completed integration of the former JNN, developed an Increment 1 Acquisition Strategy, TEMP, and operational test plan, and completed an Increment 1 IOT&E in October 2008.
- Uncertainty with the scope and capabilities for the Increment 2 program has slowed development of the TEMP and planning for future operational test events.
- The Army will field WIN-T Increment 1a (Lot 10) configuration items to one active duty Army brigade by the time of the Increment 1 IOT&E. This initial fielding of

WIN-T Increment 1 will allow for interoperability testing with currently fielded JNN units and expeditious performance of the IOT&E.

## Recommendations

- Status of Previous Recommendations. The Army is addressing all previous recommendations.
- FY08 Recommendation.
  1. The Army should ensure that sufficient resources including test units, configuration items, and training areas for full spectrum operations are allocated for future operational test events to satisfy WIN-T's theater and below network requirements.