

Defense Enterprise Wideband SATCOM Systems (DEWSS)

INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance



MISSION

To provide combatant commanders and deployed warfighters secure, high-capacity satellite connectivity enabling reachback for voice, video, and data communications and transfer of intelligence information.

DESCRIPTION

The Defense Enterprise Wideband SATCOM System (DEWSS) program is modernizing the enterprise satellite terminals and baseband, payload, and network control systems required to support combatant commander and warfighter use of high-capacity Wideband Global SATCOM (Satellite Communications) (WGS) satellites, which DoD began launching in October 2007. DEWSS consists of a geosynchronous orbiting satellite network, fixed enterprise military satellite terminals, and baseband, payload control, and network control systems. DEWSS provides superhigh-frequency, beyond-line-of-sight communications; reachback, via DoD Teleport and Standard Tactical Entry Point (STEP) sites; a critical conduit for intelligence information transfer; survivable communications for critical

nuclear command and control; and an anti-jam and anti-scintillation capability for key strategic forces.

SYSTEM INTERDEPENDENCIES

None

PROGRAM STATUS

- **3QFY09:** Modernization of Enterprise (MET) contract awarded
- **3QFY09:** 350 EBEMs fielded worldwide as well as Automatic Uplink Power Control (AUPC)
- **3QFY09:** KaSTARS completed four terminal installations (Landstuhl, Camp Roberts, and 2 Lago)
- **3Q-4QFY09:** KaSTARS support to WGS-2 launch
- **4QFY09:** Wideband Global SATCOM (WGS) KaSTARS terminal performance certification awarded
- **4QFY09:** DSCS Integrated Management System (DIMS) V5.2 material release
- **4QFY09:** CNPS V2.1 material release
- **1QFY10:** MET Preliminary Implementation Review (IPR)

PROJECTED ACTIVITIES

- **2QFY10:** Critical Implementation Review (CIR)
- **2QFY10:** Provide IP capability to EBEM
- Major DCSS technology refresh/modernization to coincide with MET terminal installations
- **4QFY10:** Conduct installation of and training for Wideband Global Spectrum Monitoring System (WGSMS) V2.0
- **4QFY10:** CNPS V3.1 material release
- **1QFY11:** Complete installation and checkout of Wahiawa, HI starter kit

ACQUISITION PHASE

Technology Development

Engineering & Manufacturing Development

Production & Deployment

Operations & Support

Defense Enterprise Wideband SATCOM Systems (DEWSS)

FOREIGN MILITARY SALES

None

CONTRACTORS

Johns Hopkins University Applied Physics
Laboratory (Laurel, MD)
Northrop Grumman (Winter Park, FL)
U.S. Army Information Systems
Engineering Command (Fort Huachuca,
AZ)
ITT Industries (Colorado Springs, CO)
Harris Corp. (Melbourne, FL)

