

Defense Enterprise Wideband SATCOM System (DEWSS)

INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance

MISSION

Provides combatant commanders, deployed warfighters, and senior leadership with 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) provides strategic Army and DoD satellite communications (SATCOM) infrastructure, enabling National and Senior Leader communications, JCS-validated command, control, communications, and intelligence (C3I) requirements, tactical reachback to sustaining base for deployed warfighters, and transport for critical intelligence information transfer to deployed forces worldwide. DEWSS is modernizing the enterprise satellite

terminals, baseband systems, and payload and network control systems required to support warfighter use of the high-capacity Wideband Global SATCOM (WGS) satellite constellation, which DoD began launching in October 2007. DEWSS capabilities include super high frequency (SHF), beyond-line-of-sight communications; tactical reachback via DoD Teleport and Standardized Tactical Entry Point (STEP) sites; survivable communications for critical nuclear command and control; and an anti-jam, High-Altitude Electromagnetic Pulse (HEMP) hardened, anti-scintillation capability for key strategic forces.

SYSTEM INTERDEPENDENCIES

None

PROGRAM STATUS

- **3QFY09:** Modernization of Enterprise Terminals (MET) contract awarded
- **3QFY09:** 350 Enhanced Bandwidth Efficient Modems (EBEM) fielded worldwide, with Automatic Uplink Power Control (AUPC)

- **3QFY09:** KaSTARS completed four terminal installations (Landstuhl, Germany; Camp Roberts, CA; and two at Lago DiPatria, Italy)
- **3Q-4QFY09:** KaSTARS support to WGS-2 launch
- **4QFY09:** Wideband Global SATCOM KaSTARS terminal performance certification awarded
- **4QFY09:** DSCS Integrated Management System (DIMS) version 5.2 materiel release
- **4QFY09:** Common Network Planning Software (CNPS) version 2.1 materiel release
- **1QFY10:** MET Preliminary Implementation Review (IPR)
- **2QFY10:** Critical Implementation Review (CIR)
- **2QFY10:** Provide Internet protocol capability to EBEM
- **2QFY10:** USC-28 completed modem refurbishment (Wahiawa, HI)
- **3QFY10:** CNPS version 3.2 critical design review
- **3QFY10:** Replacement Patch and Test Facility (RPTF) production contract award

PROJECTED ACTIVITIES

- Major Digital Communications Satellite Subsystem (DCSS) technology refresh/modernization to coincide with MET terminal installations
- **1QFY11:** Complete installation and checkout of Wahiawa, HI starter kit
- **2QFY11:** Wideband Power Control Management System (WPCMS) contract award
- **3QFY11:** Worldwide EBEM fielding complete
- **4QFY11:** Replacement PTF production complete
- **1QFY12:** MET first article test/acceptance

ACQUISITION PHASE

Technology Development

Engineering & Manufacturing Development

Production & Deployment

Operations & Support

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FOREIGN MILITARY SALES

None

CONTRACTORS

Johns Hopkins University Applied Physics Laboratory (Laurel, MD)
Northrop Grumman (Winter Park, FL)
ITT (Colorado Springs, CO)
Harris Corp. (Melbourne, FL)
Computer Sciences Corp. (CSC) (Eatontown, NJ)

