

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; Joint Chiefs of Staff-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 warfighters use of the high-capacity Wideband Global SATCOM (WGS) satellite constellation, which

DoD launched 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. Management capabilities include the Common Network Management System (CNPS), Wideband Global Spectrum Monitoring System (WGSMS), Wideband Remote Monitoring Sensor (WRMS), Remote Monitoring and Control Equipment (RMCE), Joint Management Operations System (JMOS), and the Replacement Frequency Management Orderwire (RFMOW).

SYSTEM INTERDEPENDENCIES

None

PROGRAM STATUS

- **1QFY12:** Began Modernization of Earth Terminals (MET) First Article Test (FAT) and RMCE DoD Information Assurance Certification and Accreditation Process certification
- **2QFY12:** Began DEWSS transmission security modernization; MET large fixed FAT (non-HEMP) installation; WGS-4 launch and RMCE installation at Wahiawa/Wideband SATCOM Operational Centers (WSOCs); began WSOC upgrade
- **3QFY12:** RMCE onsite acceptance test/on orbit test and RMCE Phase I installation in East/West Australia
- **4QFY12:** MET FAT terminal HEMP installation

PROJECTED ACTIVITIES

- **1QFY13:** Support WGS-5 launch
- **1QFY13:** WRMS installation
- **2QFY13:** MET FAT and commissioning, begin earth terminal relocation/terminal installation; conduct WRMS installation
- **3QFY13:** Second MET installation/earth terminal relocation
- **4QFY13:** MET installation, terminal installation, and RMCE system integration test

ACQUISITION PHASE

Technology Development

Engineering & Manufacturing Development

Production & Deployment

Operations & Support

Defense Enterprise Wideband SATCOM System (DEWSS)

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. (Eatontown, NJ)

