

# 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. 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

- **1QFY11:** Complete installation and checkout of Wahiawa, HI starter kit
- **2QFY11:** Joint Management Operations System (JMOS) System Integration Test
- **3QFY11:** JMOS First Article Test
- **3QFY11:** Common Network Planning Software (CNPS) v3.1 Government Confidence Test
- **3QFY11:** Wideband Global Spectrum Monitoring System (WGSMS) v2.0 Authority to Operate
- **3QFY11:** Replacement Frequency Modulation Orderwire (RFMOW) v2.4 Government Confidence Test
- **4QFY11:** Wideband Remote Monitoring Sensor (WRMS) System Integration Test
- **4QFY11:** Begin MET First Article Terminal (HEMP) installation
- **4QFY11:** JMOS System Verification Test and Logistics Demonstration
- **4QFY11:** Remote Monitor and Control Equipment (RMCE) Delivery and In-House Acceptance Testing
- **4QFY11:** Global Satellite Configuration Control Element (GSCCE) v2.11 MR
- **1QFY12:** Begin MET First Article Test
- **1QFY12:** RMCE DIACAP Certification Test

## PROJECTED ACTIVITIES

- **2QFY12:** MET First Article Acceptance and Commissioning
- **2QFY12:** Begin Ft. Detrick Earth Terminal Relocation
- **2QFY12:** Begin DEWSS TRANSEC Modernization
- **2QFY12:** MET Large Fixed First Article Terminal (non-HEMP) installation
- **3QFY12:** RMCE Onsite Acceptance Test and On Orbit Test
- **1QFY13:** Ft. Detrick First MET installation Complete
- **3QFY13:** Ft. Detrick Second MET Installation Complete
- **3QFY13:** Ft. Detrick Earth Terminal Relocation Complete

## ACQUISITION PHASE

Technology Development

Engineering and Manufacturing Development

Production and Deployment

Operations and 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. (CSC)  
(Eatontown, NJ)

