Project Manager, Defense Communications and Army Transmission Systems Overview

COL Enrique L. Costas
Project Manager
24 JAN 2018
PM DCATS Structure

Plans, Operations, Readiness Division
Mr. Craig Powderly

Budget Management Division
Ms. Kelly Waymire

Technical Management Division
Mr. Noel Acevedo

PM DCATS
COL Enrique Costas

Deputy PM
Mr. Chris Green

Personnel

<table>
<thead>
<tr>
<th>Category</th>
<th>Count</th>
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<tbody>
<tr>
<td>Military</td>
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<tr>
<td>Core Civilian</td>
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<tr>
<td>Matrix Civilian</td>
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<tr>
<td>Contractors</td>
<td>137</td>
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<td><strong>TOTAL</strong></td>
<td><strong>302</strong></td>
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CAISI — Combat Service Support Automated Information Systems Interface
CSS VSAT — Combat Service Support
Very Small Aperture Terminal
WWTCIP — World Wide Technical Control Improvement Program
Mission and Vision

- **Mission**: DCATS acquires, delivers and sustains strategic communications capabilities for the Army, DoD and the NCA to enable information dominance
- **Vision**: Be the recognized expert and trusted provider of national strategic communications transport infrastructure capabilities for the Army and the DoD Enterprise
  - **Products**: We enable DoD and Joint Force communication through acquisition and sustainment of strategic satellite and global long-haul terrestrial communications capability, first responder crisis communications capability across all Army installations & the NCR, and sensitive acquisition support for C5ISR capability for Army, Joint Force customers, and other government agencies
  - **People**: DCATS cultivates a culture of trust, selectively matching the people with the right skills and expertise to the right job to maximize their potential. DCATS is the world-class experts for strategic communication equipment and services acquisition.
  - **Processes**: DCATS leads by focusing on acquisition agility to look at innovative ways to acquire and deliver at the speed of war while influencing Army senior leaders to invest in next generation capabilities with a focus on strategic partnerships to leverage industry innovation.

WESS – FY18 TOA $189M  DWTS – FY18 TOA $91M  LMR – FY18 TOA $32M  Varies
**PM DCATS Product Offices**

### PdM WESS

**Mission**
Acquire, deliver, and sustain superior enterprise (strategic) wideband military satellite communications and payload control capabilities for the DoD and the Joint Warfighting Community

**Soldier Capabilities Delivered:**
- X and KA Frequency Bands
- NIPR
- SIPR
- Voice
- Video Teleconferencing
- Joint Worldwide Intelligence
- Payload Planning & Configuration

**Key Facts:**
- 10 Major Systems and 50 Projects
- Widely-fielded in 4 Continents, 12 Countries and 7 Islands
- Completed Installation of 18 terminals, with 10 more in progress
- $189M in FY18 Budget Authority

### PL DWTS

**Mission**
Provide best value solutions to meet strategic long-haul and base-support communications needs worldwide for the DoD and other U.S. Government Agencies

**Soldier Capabilities Delivered:**
- C4 Commercialization
- Network Operations
- Connect the Logistician – CAISI, VSAT
- Tech Control Facilities

**Key Facts:**
- 8 Major Programs and 32 Projects
- Full redundant global satellite coverage – 15 satellites, 22 beams
- Fielded over 32,000 CAISI Wireless 2.0 and 3,600 CSS VSAT Systems
- $91M in FY18 Budget Authority

### PL LMR

**Mission**
Manages, engineers, acquires, delivers and supports CONUS non-tactical LMR systems that support installation force protection, public safety, installation management and homeland security.

**Soldier Capabilities Delivered:**
- System Management Centers
- Repeaters
- Dispatch Consoles
- Handheld, Mobile and Desktop Radios and Antennas

**Key Facts:**
- Fielded at 25+ CONUS Military Installations
- Fielded at 10+ OCONUS Military Installations
- $32M in FY18 Budget Authority

### PL TAO

**Mission**
Executes rapid, secure C4I acquisitions for Special Operations and Sensitive Activities.

**Soldier Capabilities Delivered:**
- Telecommunications Infrastructure
- Secure Networks
- Cyber Security
- Security Controls Assessor Support

**Key Facts:**
- HQ Office at Fort Detrick, MD
- Supports HQDA approved Sensitive Activities
- Budget Authority Varies
DCATS Stakeholders

Requirements
- TRADOC
- CASCOM
- CCoE
- HQDA G-4
- HQDA G-8
- CIO / G-6
- ASA(ALT)

Resources
- USACE
- CECOM
- NETCOM
- AMC
- ACC-RI
- ACC-APG

Dependencies

Customers
- IMCOM
- PACOM
- NETCOM
- 311th Signal Command
- 5th Signal Command
- EUCOM
- 335th Signal Command

DOD & Strategic Users
- POTUS
- Dept of State
- MDA
- DIA
- DISA
- USSTRATCOM
- USN
- USAF
- SOCOM
- SMDC/ARSTRAT
- JEOO

DOD & Strategic Users
- CENTCOM
- ISAF
- ARCENT
Future Network Priorities

Current network:
- Too complex
- Not expeditionary
- Fragile and vulnerable
- Easy to detect and jam
- Difficult to secure
- Not optimized

Future network:
- Survivable and protected
- Intuitive
- Standards-based
- Interoperable
- Sustainable

Optimize IT Resourcing
Driving IT efficiencies that reduce risk and increase effectiveness

★ Readiness
Fixing what we have to enable the current fight and to prepare for the next fight

★ Modernization
Driving institutional change to influence, shape, and leverage the marketplace reacting to it

★ Shaping the Force
- Aligning the force to capitalize on technological advances
- Leader Development

★ Cybersecurity Policy
- Transition from focus on compliance to focus on readiness IOT enable the operational commanders
- Linkage between cybersecurity and cyberspace

★ Baseline Enterprise Initiatives
Optimize existing enterprise initiatives to increase capabilities and lethality in the force

The Network...a critical enabler to Unified Land Operations
Gaining Efficiencies
Priorities

**Today** → deliver on time and on target to enable network readiness

- Pitch: Solid Requirements
- Hit: Align Funding
- Run: Execute Contracts
- Performance Management

**Prepare for Tomorrow** → “see ourselves”

- Resiliency
- One Network / Convergence
- Correct Alignment (Requirements Documents, Right Structure, Funding, and Architecture)

**People** → “right people in the bus; right seat inside the bus”

- Culture of Trust: Competent, Character, Commitment
- Accountability

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**Acquisition Agility**

1. Total asset management visibility
2. Industry Innovation

**Talent Management**

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Deliver on time and on target today. Plan for the future. Take Care of People.
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<thead>
<tr>
<th>PM</th>
<th>Procurement Type</th>
<th>Description</th>
<th>Vehicle Contract or Method</th>
<th>Quarter/FY of Solicitation</th>
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<tr>
<td>DCATS/ WESS</td>
<td>SUPPLY</td>
<td>Enhanced SATCOM Gateway Modem (ESGM) Implementation DISA Architecture Driven</td>
<td>CTS IDIQ (Competitive)</td>
<td>Q3 2018</td>
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<td>Replacement Patch and Test Facility Support (RPTF) (WAN-to-LAN connection, COTS)</td>
<td>Competitive</td>
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<td>Wideband Satellite Communications (SATCOM) Operations Management System (WSOMS) Hardware Spares (COTS)</td>
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<td>SUPPLY/SERVICES</td>
<td>Ft. Buckner Joint Warfighter Inter-base Telecommunication System (JWIT) Replication</td>
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<td>SUPPLY/SERVICES</td>
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DCATS POC’s

- DCATS
  - COL Enrique Costas: enrique.l.costasolivera.mil@mail.mil
  - Office: 703-806-9129

- WESS
  - LTC Anthony Whitfield: anthony.k.whitfield.mil@mail.mil

- DWTS
  - Mr. Patrick Barnette: patrick.b.barnette.civ@mail.mil

- LMR
  - Ms. Kimberly Davidson: kimberly.j.davidson.civ@mail.mil
BACKUP
Satellite & Enablers View TODAY

**PRODUCTS**
- Wideband Global Satellite (WGS), Defense Satellite Communications System (DSCS)
- Modernization of Enterprise Terminals (MET)
- Legacy Terminals: Ka-Band Satellite Transmit and Receive System (Ka-STARS) & GSC-52 Mod
- Wideband Satellite Operations Center (WSOC)
- Combat Service Support SATCOM
- Very Small Aperture Terminal (CSS VSAT) / Combat Service Support Automated Information Systems Interface (CAISI)
- Technical Control Facility (TCF)
- Fiber optics
- Land Mobile Radio

**CAPABILITIES**
- Worldwide SATCOM backbone for DoD and civilian senior leader communications, intelligence community, Special Operations Forces, Ballistic Missile Defense System, joint assets, USN vessels, and others.
- Senior National Leadership Communication (SNLC) – provides reliable, secure communications with nuclear capable nations during times of crisis to reduce the risk of war.
- Plans and executes the bandwidth provisioning mission for the satellite constellations.
- Transportable SATCOM capability for Brigade Combat Team logistics and sustainment elements.
- Provide wireless, RF long haul, and high speed (100 GBs) long haul transmission for Joint and Mission Partners.
- Aggregates circuits on Army installations, ensuring secure and reliable transport. Provides power, timing and synch equipment, line conditioning, and real-time alarm monitoring and control to support on and off installation communications.
- Lifesaving communication capability for garrison first responders, base operations, and force protection at Army installations worldwide.

**Strategic Users**
- POTUS
- VP
- Intel
- UAS
- Special Operations Forces (SOF)
- Senior National Leadership Communications (SNLC)

**Tactical Users**
- Ballistic Missile Defense System
- Dispatch

**Non-Tactical Users**
- USN/Strategic Users
- USAF
- INOC

**Satellite Comms**
- Ka-Band
- X Band
- Ka & X Band
- DCN (Commercial Ku-Band)

**TacSatCOM**
- Satellite Comms
- Commercial Satellite
- USN WGS
- USAF WGS
- USAF DSCS