



# Networks, Cyber and Services Mission Area Panel

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**U.S.ARMY**



# Defense Communications and Army Transmission Systems (DCATS)





# Defense Communications and Army Transmission Systems (DCATS)



Acting Project Manager  
Mr. Aric Sherwood

## FREEDOM THROUGH COMMUNICATIONS

DCATS enables information dominance for the Army, Department of Defense, National Command Authority, and International Partners by acquiring, implementing, and sustaining strategic satellite and terrestrial communication systems, and by leading technologies to meet current and future requirements.





# PM DCATS Portfolio



## WHO WE ARE

100-plus Defense and Army Projects Worldwide

## SUPPORT TO THE SOLDIER

- Strategic Satellite Communications
- Wideband Control Systems
- Long-haul Terrestrial Connectivity
- Fiber Optic Communications Systems
- Technical Control Facilities
- IT Infrastructure
- Voice Modernization
- Public Safety Communications

Wideband Enterprise Satellite Systems (WESS)	Land Mobile Radio (LMR)	Installation Information Infrastructure Modernization Program (I3MP)	Power Projection Enablers (P2E)
DOD Satellite Communications	Installation Public Safety Communications	Terrestrial Network Infrastructure	
WORLDWIDE		AMERICAS	AFRO-EURASIA



### Major Capabilities:

- Modernized Enterprise Terminals (MET dual band X, Ka)
- Baseband Equipment
- Wideband SATCOM Payload Controls upgrades

### Major Capabilities:

- Enterprise Land Mobile Radio
- 1<sup>st</sup> NET integration
- Computer Aided Dispatch

### Major Capabilities:

- ICAN Modernization: Outside and Inside Plant
- NETMOD 1.0 & 2.0 (IP / JRSS compliance, SIPR, NIPR)
- Transport: TECH Control Facilities
- Voice: Legacy Switch replacement, VOIP
- Video: Mission Command (Home-station Mission Command, Strategic Command Centers, COIC Walls)

**PM DCATS focus is executing over \$600 million in multiple appropriations every year**



**DCATS**

## Upcoming Opportunities/ Needs from Industry



- **LMR: Enterprise CAD solution**
- **LMR: EMWN**
- **I3MP: NETMOD 2.0**
- **I3MP: NETMOD GSA MAS**
- **I3MP: NETMOD WW BUY #5**
- **I3MP: VOIP EI**
- **P2E: European Infrastructure  
Modernization CAPSET**
- **WESS: Digital Modem**

### **BEHAVIORS NEEDED**

- Be Innovative
- Be A Participant, Get In The Game
- Integrate With Each Other
- Provide Metrics That Demonstrate Your Value
- Be Flexible
- Schedule Efficiencies
- Business Best Practices

### **CAPABILITIES NEEDED**

- VOIP
- Software Defined Networking
- Commercial Solutions for Classified
- LMR/FirstNet Integration
- Enterprise Mass Warning Systems
- Computer Aided Dispatch Systems
- WiFi 6
- Passive Optical Network
- 5G (Infrastructure Only)



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# DEFENSIVE CYBER OPERATIONS





# Defensive Cyber Operations (DCO)



Project Manager DCO  
COL Mark Taylor

## DEFENDING THE ARMY'S CONNECTION TO THE WORLD

### Mission

Rapidly deliver innovative and dominant cyberspace capability and tailored information technology solutions to national, joint, and allied partners to provide decisive, warfighting information advantage.

### Vision

Be recognized as the leader within the cyberspace domain delivering innovative, integrated and cost effective solutions.










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# Defensive Cyber Operations (DCO) Overview



## HOW WE SUPPORT OUR SOLDIERS

- Provide 10 Acquisition Category (ACAT) III and IV Programs of Record
- Provide cyber analytics and detection for cyber threats
- Provide deployable and cloud based defensive cyber solutions
- Provide rapid prototyping capabilities for rapid acquisition
- Foreign military sales - building partner relationships
- Command, Control, Communications and Intelligence (C4I) acquisition services

Cyber Analytics and Detection (CAD)	Cyber Platform and Systems (CPS)	Applied Cyber Technologies (ACT)	Technology Applications Office (TAO)	Allied Information Technology (AIT)
 <ul style="list-style-type: none"> <li>• Cyber Analytics (CA)</li> <li>• User Activity Monitoring (UAM)</li> <li>• Castle Keep</li> <li>• Defensive Cyber Operations Mission Planning (DCOMP)</li> <li>• Threat Emulation</li> </ul>	 <ul style="list-style-type: none"> <li>• Defensive Cyber Operations Tools Suite (DCO Tools Suite)</li> <li>• Deployable Defensive Cyberspace Operations Systems – Modular (DDS-M)</li> <li>• Garrison Defensive Cyberspace Operations Platform (GDP)</li> <li>• Forensics and Malware</li> <li>• Advanced Sensors</li> </ul>	 <ul style="list-style-type: none"> <li>• The Forge and the Armory</li> <li>• Continual Integration</li> <li>• Upgrade/Test Capabilities</li> <li>• Anytime Training</li> <li>• One Stop Shop Capabilities</li> <li>• Capability Optimization</li> <li>• Development and Operations</li> <li>• Soldier Operational Environment</li> </ul>	 <ul style="list-style-type: none"> <li>• Functionally integrated, task force organization designed to provide centralized, life-cycle management</li> <li>• Engineering, fielding, and operation of IT and infrastructure projects, supporting programs</li> </ul>	 <ul style="list-style-type: none"> <li>• U.S. and Partner Nation Security and Interoperability, Non-Standard IT Solutions</li> <li>• Foreign Military Sales Lifecycle</li> <li>• Technology Transfer</li> <li>• Acquisition</li> <li>• Foreign Policy Review and Oversight</li> </ul>





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# Defensive Cyber Operations Upcoming Opportunities/ Needs from Industry



- **Forensics and Malware Analysis (F&MA) – Licences, Training, Professional Services and Maintenance**
- **Deployable Defensive Cyberspace Operations – Modular, New Equipment Training Virtualization**
- **Cloud Based Garrison Defense**
- **Allied Information Technology has 11 Letters of Request (LOR), 23 cases in development, and 23 active cases**

## **BEHAVIORS NEEDED**

- **Be Innovative**
- **Be A Participant, Get In The Game**
- **Integrate With Each Other**
- **Be Flexible**
- **Be A Team Player**
- **Provide Metrics That Demonstrate Your Value**

## **CAPABILITIES NEEDED**

- **Network Mapping**
- **Counter Infiltration Tools**
- **Cyber Intelligence Integration**
- **Data Analytics – Artificial Intelligence and Machine Learning**
- **Security Orchestration, Automation and Response (SOAR)**
- **Threat Analysis**



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# Enterprise Services (ES) Maximizing the Power of Enterprise



# PD ES Team



**Lee James, III**  
Project Director



**Mike Payne**  
Deputy Project Director



**G.W. Burnside**  
Product Lead  
AESMS



**Boyd Williams**  
Product Director  
ALTESS



**Wayne Sok**  
Product Lead  
CHESS



**Palmer Mitchell**  
Product Lead  
EC



**Deidra McCaskill**  
Product Lead  
EC2M



**Brent Thomas**  
Product Lead  
HR Solutions







# What PD ES Wants From Industry



## BEHAVIORS

- Always Do What's Right
- Have the Right people at the Table
- Identify and Engage Key Participants
- Communicate with Precision
- Remain Flexible
- Identify Challenges - Propose Solutions

## ACTIONS


- Forge Strategic Partnerships
- Improve Proposals to Obtain Best Solutions to Modernize Army IT
- Collaborate on Better Products at a Fairer Price
- Invest in Proven Tested Technology
- Migration to the Cloud-based Solutions and Applications
- Monitor Industry Technological Changes and Trends





# The Army relies on **PEOEIS**


**Connecting the Army. Working for Soldiers.**

**Download these slides and the Procurement Forecast at  
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