



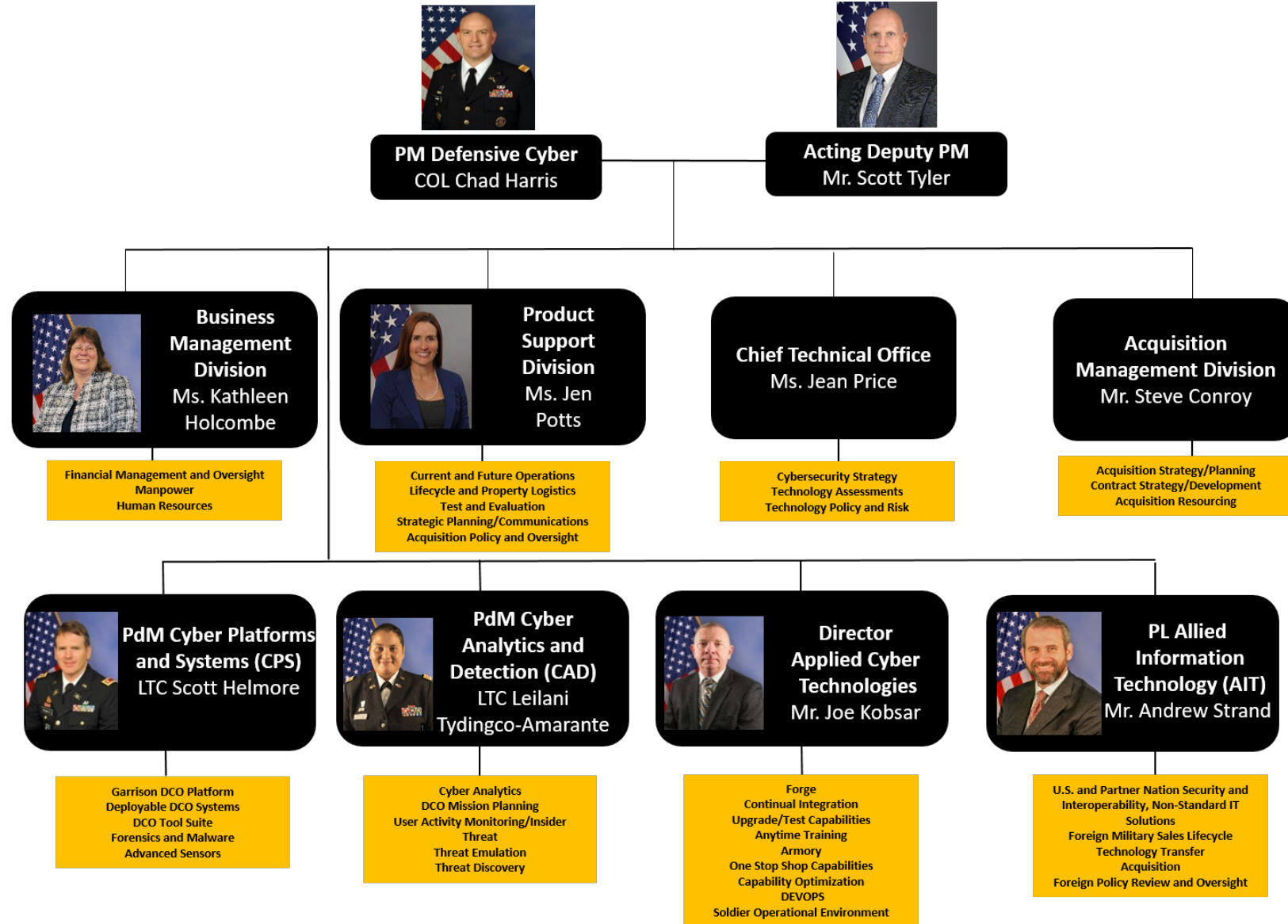
Project Manager Defensive Cyber Operations

**AFCEA Belvoir Industry Days
21 March 2019**

**Colonel Chad Harris, Project Manager
Mr. Scott Tyler, Deputy Project Manager**



Organizational Structure





Mission and Vision



Mission

Continually deliver relevant Defensive Cyber Capability

Vision

Create a trusted, world class team that delivers dominant Defensive Cyber Operations capability

What we do:

- *The Army's focal point for Defensive Cyber Operation material solutions*
- *Pursue the best in innovation through rapid and agile acquisition processes*
- *Maximize stakeholder collaboration throughout program lifecycle*

The magnitude:

- *7 ACAT IV Programs of Record*
- *Support to:*
 - *20 Active Duty*
 - *11 U.S. Army National Guard (ARNG)*
 - *10 U.S. Army Reserve (USAR) Cyber Protection Teams*

DCO must leverage industry partnerships and expertise to accomplish its mission



Army Leader Decisions Regarding DCO



“Request Support from ASA(ALT) to implement Agile and Rapid Acquisition Strategy” – GEN James McConville, Army Vice Chief of Staff



DEPARTMENT OF THE ARMY
OFFICE OF THE ASSISTANT SECRETARY OF THE ARMY
ACQUISITION LOGISTICS AND TECHNOLOGY
153 ARMY PENTAGON
WASHINGTON DC 20310-0103

DEC 14 2017

SAAL-ZA

MEMORANDUM FOR PROGRAM EXECUTIVE OFFICERS ENTERPRISE INFORMATION SYSTEMS (PEO EIS) AND COMMAND CONTROL AND COMMUNICATIONS-TACTICAL (C3T)

SUBJECT: Defensive Cyberspace Operations (DCO) Acquisition Decision Memorandum (ADM) for DCO acquisition approach and MDA delegation

1. Purpose: PEO EIS requests Army Acquisition Executive (AAE) approval of the DCO acquisition strategy approach and Milestone Decision Authority (MDA) delegation to PEO EIS and PEO C3T.

2. Decisions:

a. I approve the DCO acquisition approach that establishes distinct Programs through approved Requirements Definition Packages (RDP). Each Program shall be initially designated as Acquisition Category III.

b. I delegate the DCO Milestone Decision Authority to PEO EIS and PEO C3T.

(1) PEO EIS has MDA for the following programs: Garrison DCO Platform, Deployable DCO System, Cyber Analytics, DCO Tools, DCO Mission Planning, Forensics / Malware Analysis, User Activity Monitoring, Counter Infiltration, Threat Emulation, and Advanced Sensors.

(2) PEO C3T has MDA for Tactical DCO Infrastructure.

(3) I authorize and encourage PEO EIS and C3T to consider further MDA delegation to the O6 level as program requirements dictate and risk allows.

(4) Any delegation to the O6 level must be reported to me with the rationale and risk management plan for each delegation.

3. The MDA shall grant the Material Development Decision (MDD) for each program.

4. In accordance with Army Regulation 70-1, Paragraph 2-2, you will notify me if you anticipate that the dollar value of the program is within 10 percent of the next ACAT level.

5. The point of contact is MAJ Jonathan D. Lipscomb, (571) 256-9407, or jonathan.d.lipscomb.mil@mail.mil.

Jeffrey White
Army Acquisition Executive



“Encourage PEO EIS...to consider further MDA delegation to the O-6 level” – Mr. Jeffery White, Principal Deputy Assistant Secretary of the Army (Acquisition, Logistics & Technology)

Milestone Decision Authority delegated to lowest responsible level

Tailored, agile acquisition methods applied to keep pace with emerging threats

Requirements Oversight delegated to AROC Review Board (ARB)



IT Box process quickly provides flexible requirements



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DEPARTMENT OF THE ARMY
DEPUTY CHIEF OF STAFF, G-8
700 ARMY PENTAGON
WASHINGTON, DC 20310-0201

DAPR-ZA

AROCM 17-27
21 SEP 2017

MEMORANDUM FOR SEE DISTRIBUTION

SUBJECT: Army Requirements Oversight Council Memorandum for the Defensive Cyberspace Operations Information Systems Initial Capability Document

1. Purpose: To codify the 18 August 2017 Army Requirements Oversight Council (AROC) decisions on the Defensive Cyberspace Operations (DCO) Information Systems

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DAPR-ZA

SUBJECT: Army Requirements Oversight Council Memorandum for the Defensive Cyberspace Operations Information Systems Initial Capability Document

e. Request support from the Assistant Secretary of the Army (Acquisition Logistics and Technology) to implement an agile and rapid acquisition strategy.

4. The points of contact for this action are COL Nora Marcos, DAPR-FDC, (703) 693-2261, nora.r.marcos.mil@mail.sml.mil and COL Jay Bienlien, DAPR-FDJ, (703) 692-5357, james.p.bienlien.mil@mail.sml.mil.

JOHN M. MURRAY
Lieutenant General, U.S. Army
Deputy Chief of Staff, G-8

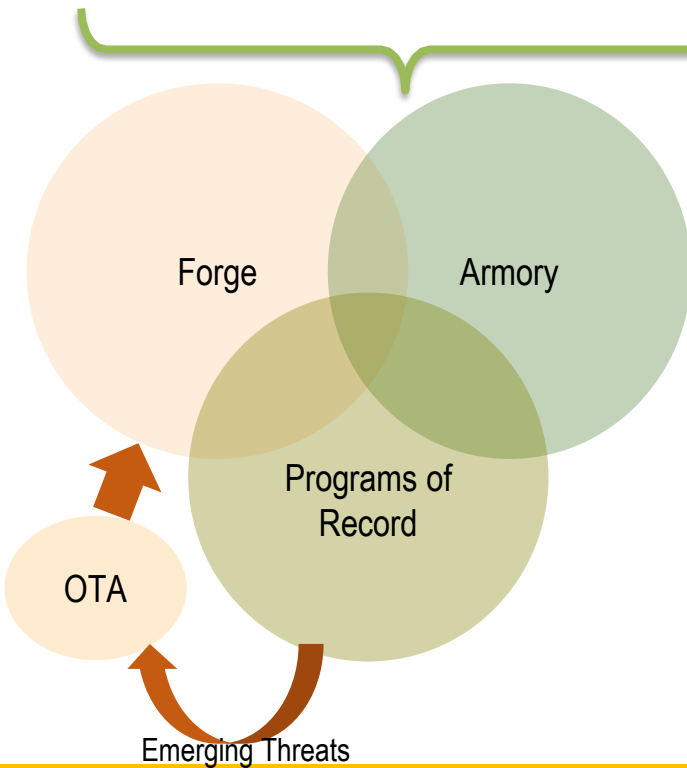
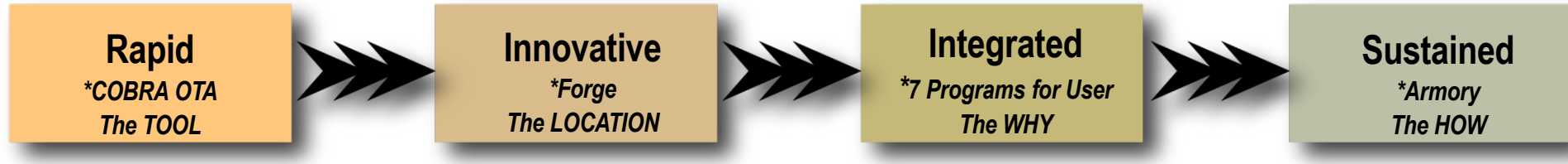
DISTRIBUTION:

Assistant Secretary of the Army (Acquisition, Logistics and Technology)
Assistant Secretary of the Army (Financial Management and Comptroller)
Chief Information Officer/G-8
Deputy Chief of Staff, G-1
Deputy Chief of Staff, G-2
Deputy Chief of Staff, G-3/5/7



DCO Evolutionary Acquisition

A New Paradigm to Deliver Dominate Cyber Capability at the Speed of Relevance



- **Rapid and agile** acquisition solutions
- **Close capability gaps**
- Providing **collaboration and synchronization** opportunity to the enterprise
- Leveraging **industry and academia expertise**
- Continuously **innovate**
- **Collocate** contracting, test, industry, academia, user and materiel developer in single location

Collaboration Absolutely Necessary

Provide Cyber Soldiers the tools, innovation and solutions to ensure they are ready to fight tonight against an unseen threat



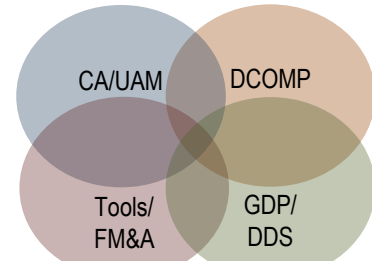
What is Defensive Cyber Operations



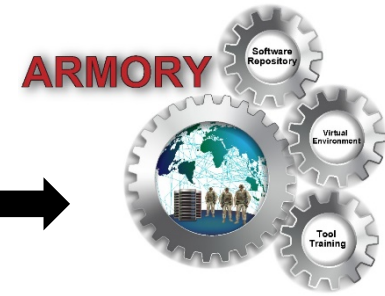
Rapid



Innovative



Integrated



Sustained

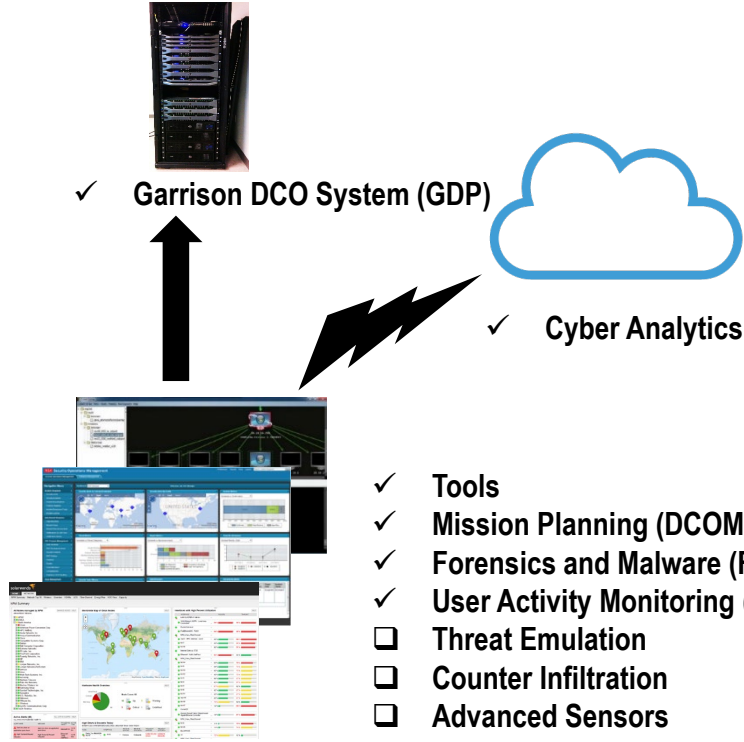
- Program of Record
- Pending Requirement



Operational Environment:
Posts/Camps/Stations
Worldwide

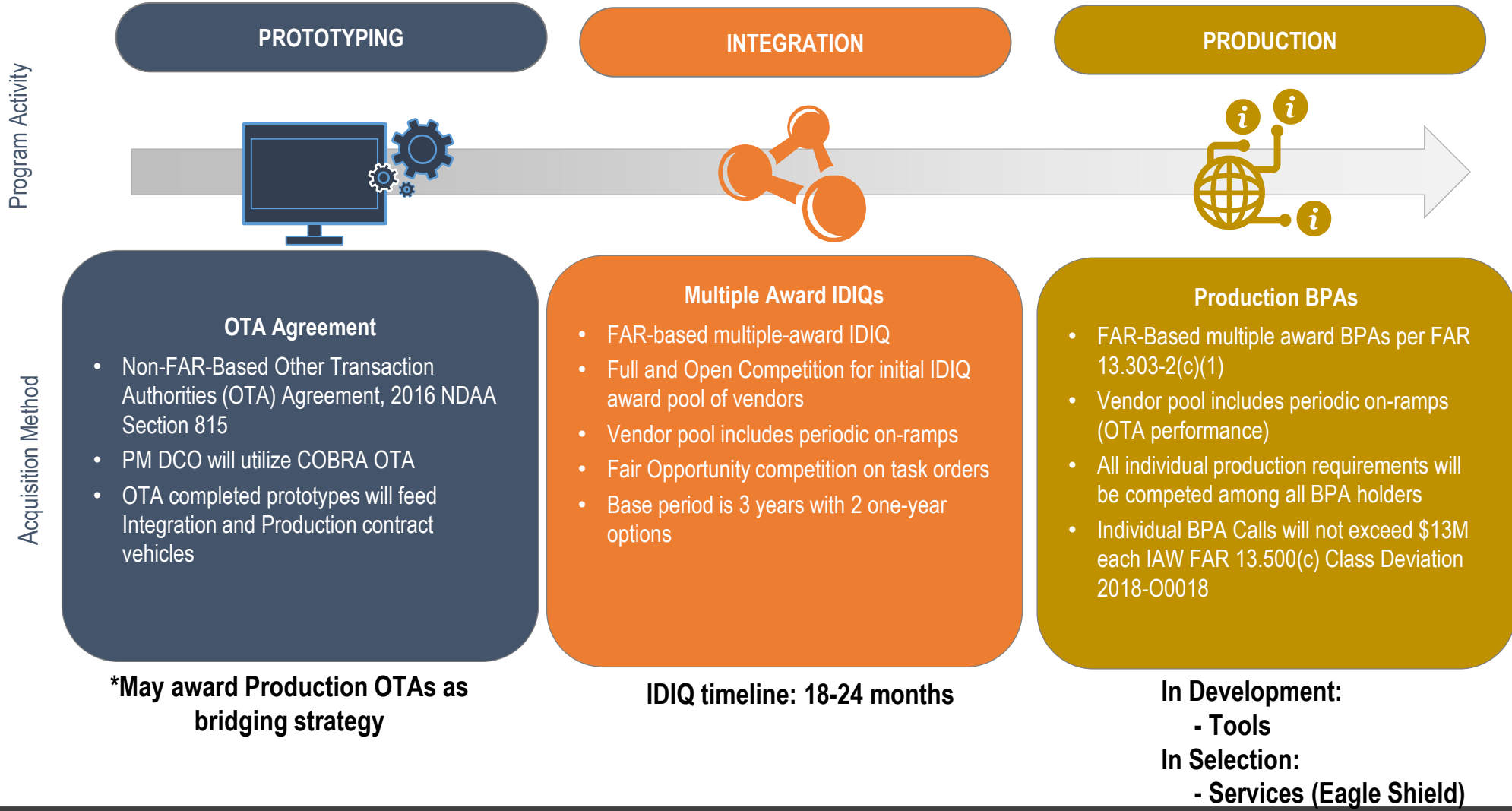


Deployable DCO System (DDS)





DCO Contract Solutions





Industry Opportunities



Recent Activity and Accomplishments

- Exercised option for additional licensing of Endgame software
 - Identifies unusual activity, remediates and retains activity, and isolates defective devices
- COBRA OTA Award for Advanced Sensors/Deployable DCO System (DDS) Modular prototype
 - Will inform solutions for DDS Program of Record

Industry Opportunities on the Horizon

- Network mapping
- High Speed Data Transport Software
- Advanced Cyber Sensor Software
- User Activity Monitoring
- Threat Emulation Software
- Counter Infiltration Tools
- Cyber Intel Tools
- SCADA
- Advanced Sensors/DDS Modular transition from prototype to POR

Role of Industry

- Leveraging industry expertise in the latest technology, identification of capability gaps, and continuous innovation
- A critical partner in ensuring Army cyber warfighters and capability to stay ahead of the ever evolving cyber threat



Product Manager Cyber Platforms and Systems

AFCEA Belvoir Industry Days
21 March 2019

Lieutenant Colonel Scott Helmore, Product Manager
Mr. Toney Howard, Deputy Product Manager



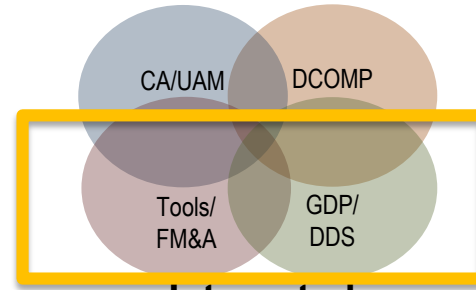
DCO Cyber Platform Systems



Rapid



Innovative



Integrated



Sustained

Knowledge Corner

- **DDS RFP:** Awaiting DDS Modular Findings
 - Added Advanced Sensor Hardware
 - DDS Modular Awarded
 - **Accessory Garage (working requirement)**
- **GDP RFP:** Awaiting GEM pilot
 - Procured Hardware
 - **Cloud GDP (Millennium Transport)**
- **Tools:** Concentrating on BPA and new capabilities on OTA (Coliseum)

Program	Status	Remarks
DDS Modular	●	Awarded
GDP Bridging	●	Hardware awarded
GEM Pilot	●	3 Phased Plan
Tool Suite 1	●	Extending and Divesting
Tool Suite 2	●	Coliseum (AFCEA Belvoir)
Tool Suite 3	●	Coliseum (AFCEA Technet)
F&MA	●	Researching Hardware for FY20

Upcoming CPS Innovation:

1. 1st Labyrinth (May)
2. Tools BPA (May)
3. Constellation Standup (June)
4. Project Millennium Transport (June)
5. Tools Library (June)



U.S. ARMY



Product Manager Cyber Analytics and Detection

**AFCEA Belvoir Industry Days
21 March 2019**

**Lieutenant Colonel Leilani Tydingco-Amarante, Product
Manager**

Ms. Jeannie Winchester, Deputy Product Manager

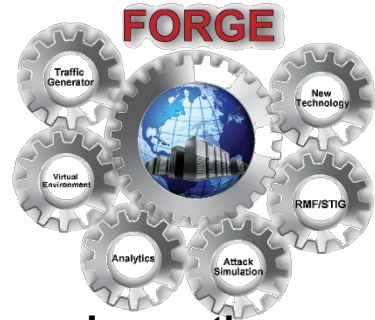
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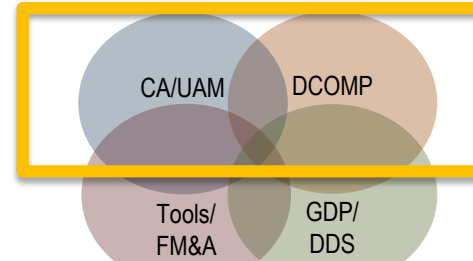
Cyber Analytics and Detection



Rapid



Innovative



Integrated



Sustained

Knowledge Corner

- **DCOMP:**
 - Force Management
 - Battlespace
 - Senior Leader Dashboard
 - Advanced Reporting
 - Geospatial Data Gathering
- **Cyberspace Analytics:**
 - Big Data Platform
 - Distributed Query
 - Data Discovery Model
 - White List/Black List
 - Indicator Correlation Visualization
 - Cyber Indicator Threat
 - Army Cyber Analyst Dashboard

Program	Status	Remarks
Defensive Cyber Operations Mission Planning	●	Awarded
Cyberspace Analytics	●	Awarded

Long Term Vendor Opportunities

1. Establish Threat Emulation as a Program of Record
2. DCOMP Re-compete
3. Cyber Analytics Re-compete

Upcoming CAD Innovation:

1. Threat Emulation Prototype
2. User Activity Monitoring Prototype



Director Applied Cyber Technologies

AFCEA Belvoir Industry Days
21 March 2019

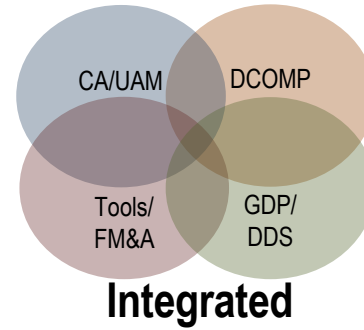
Mr. Joe Kobsar, Director



Applied Cyber Technologies



Rapid



Knowledge Corner

- SOSSEC Industry Open House 19 Mar 19
- COBRA Opportunities Upcoming for CPS and CAD
- DCO Transportable Shelter (Mobile Armory Deliveries In Work
- Connections to Fort Gordon and Fort Belvoir Efforts in Work

Program	Status	Remarks
Forge	●	Grand Opening/Ribbon Cutting Apr 19
Armory	●	Working Connections
Omni	●	In Development
Mission Networks	●	In Development

Future Opportunities

- Cross Domain Solution
- Collaboration Tools
- Testing Software
- Engagement Software
- Network Bandwidth Monitoring and Management
- Out of Band capabilities



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Transformational Occasions



Acquisition Innovation

PM DCO Cyberspace Coliseum Event Announcement – AFCEA Belvoir Industry Day

Project Manager Defensive Cyber Operations is pleased to announce our first Coliseum event focused on procuring capabilities to support Army Cyber Command and our Soldiers

What is a Coliseum? A coliseum is an information, assessment or competitive event that is not directly managed by PM DCO but is of interest to Government users for potential review and acquisition of prototypes.

How to Participate? Entities interested in participating in the Coliseum event shall fill out the registration form, and submit it with their quad chart and any other pertinent information, information no later than 15 March 2018 to:
Stephanie.wilcox35.civ@mail.mil or
Brian.N.Jackson14.civ@mail.mil

AFCEA BELVOIR INDUSTRY DAYS
 MARCH 21-22, 2018 - DAVENPORT NATIONAL HARBOR
 79th CONFERENCE SESSION ON MARCH 20, 2018

www.fbcinc.com/w/AFCEABelvoir

Capabilities under consideration:

- High Speed Data Transport Software
- Advanced Cyber Sensor Software
- Deployable Kit Operating System
- User Activity Monitoring
- Threat Emulation Software
- Counter infiltration tools
- Cyber Intel tools
- SCADA Tools

Why have Coliseums? Take advantage of resources already being spent to support other activities both from a Government and industry perspective; we take advantage of activities already occurring and use them as a part of a selection/competition acquisition process.

Kick off discussion 6 MAR 18
Quad Charts due 15 MAR 18
One on One scheduled 29 MAR 18
DNIB Review 31-22 MAR 2018
Demo Briefs 27 MAR 18
Request for white papers 1 APR 18

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DCO Evolutionary Acquisition

Critical Enablers

- Co-located teams (Test, Contract, Industry, Soldier User)
- Dedicated physical location for prototype assessments and test (Forge)
- Other transactional authorities: leveraging best in industry innovation at the speed of relevance
- Flexible resources

Successes

- Operationally responsive
- Leveraging DARPA technology
- Hands on soldier assessments
- Incorporating soldier feedback

★ 30 Day Prototype Process ★

Deployable DCO System (DDS) Example

Lessons Learned



General Thoughts



Will Continue

- COBRA OTA
- Software procurement on SEWP
- Hardware procurement on ITES
- Deliver capabilities to Armory vs Unit
- Innovative Acquisition (multi-stage proposals)

Needs Improvement

- Forecasting (too Add-hoc)
- Greater competition on pricing for hardware and software
- Collaboration
- Training
- Tool transition