Cyberspace Real-time Acquisition Prototyping Innovation Development (C-RAPID)

Consortium Industry Day

LTC Scott Helmore
Welcome to PEO EIS C-RAPID Industry Day

PEO – BG Burden

DPEO – Ms. Smith

PM I3C2 – COL Harris

Admin:
- Participate (ASK QUESTIONS)
- Cell Phones (Life Line use)
- One on Ones (Scheduled Later)
- Water Only
- Restrooms
- Evacuation

Tell me and I’ll forget.
Show me, and I may not remember.
Involve me, and I’ll understand.
- American Indian Proverb
Why is Cyber Acquisition Different

• Number of Threats
• Speed of Change
• Commercial Availability
• Non-DoD Innovation

WWII was won with American manufacturing; Cold War was won with military industrial complex; How will we win the cyber war?
Where have we been

Focused On:
- Operational Needs Statements
- Prototyping
- Informing Requirements
- Developing Processes
- Standing up capabilities

- Transition (4) Operational Needs Statements to (11) Programs of Record
- Adopt rapid requirements process (IT Box)
- Build repeatable cyber Acquisition process

“Request Support from ASA(ALT) to implement Agile and Rapid Acquisition Strategy” – VCSA (AUG 17)
What are the Defensive Cyber Capabilities

Programs of Record Start
1. Cybersecurity Architecture
2. Generic DCO Platform
3. DCO Tools Suite
4. Deployable DCO System
5. DCO Mission Planning
6. Tactical DCO Infrastructure
7. Forensics & Malware
8. User Activity Monitoring
9. Advanced Sensors
10. Threat Discovery
11. Threat Emulation

Hardware & Software Mix

Flexible Requirements

New Emerging Technologies

Mission Planning is used to plan and control DCO operations regardless of capability.

DCO Tools are effects that are platform agnostic work on laptops, existing systems Forensics and Malware focuses on code and portable devices.

Threat Emulation implements real world threat TTPs against risk areas.

Cyberspace Analytics analyze and visualize data regardless of tool or hardware.

User Activity Monitoring observes and records actions and activities of individuals accessing U.S. Government information.

Advanced Sensors are mobile hardware software solutions monitoring edge of network.

Threat Discovery finds and quarantines threats that bypass defenses as counter infiltration ops.

Garrison DCO Platform (GDP) enables CPTs to remotely access & surveil local networks.

Deployable DCO System (DDS) collects and stores mission data using resident software.

Tactical DCO Infrastructure (TDI) is deployed with tactical units and provides remote access and tactical data ingest and visibility using resident software.
Strategic Acquisition Goals and Strategies

- **Rapid and Agile** – Speed of Relevance; Ahead of threats & synchronized with technology
- **Flexible and Efficient** – Modular & open designs; Embracing change & seizing opportunity
- **Cost Effective and Enduring** – Collaborate & Transparent; Build the bench

Mix of innovation and stability

Using Evolutionary Acquisition we are able to seize on changing technology opportunities and defeat emerging threats
Evolutionary Acquisition

- Reduced Documentation
  - Single Acquisition
  - Focus on Statutory Requirements
- Focus on Capability drop decisions, not traditional milestone decisions
  - Continually in all phases of Acquisition Lifecycle (Evolve with Technology and Threats)
  - Never fully transition to sustainment

From Formal Acquisition
- Providing Acquisition Capabilities at the Speed of Relevance

Need a consortium to recommend technologies, recommend integration, keep open architecture, and build bench
Evolutionary Acquisition embraces the flexibility of the IT Box

- Using Non-FAR Agreements to collaborate and innovate
- Using FAR contracts to integrate and reduce risks

### Collaborating with Industry we are:
- **Cost Effective** - “Try before you buy”
- **Efficient** – Consortium problem solving
- **Enduring** - Building Cyber Industrial Bench

### 30 Day Prototype Process

<table>
<thead>
<tr>
<th>Step</th>
<th>Description</th>
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<tbody>
<tr>
<td>Need (N Date)</td>
<td>TRADOC Capability Drop → ARCYBER Cyber Needs Form</td>
</tr>
<tr>
<td>Concept Review (N + 10)</td>
<td>Industry/OTA Solutions → Government Solutions</td>
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<tr>
<td>Shark Tank (N + 20)</td>
<td>Pitch ideas → Demo Products → Advanced teaming</td>
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<tr>
<td>Crucible (N + 25)</td>
<td>Test Products → DCO Environment → Procure Prototype</td>
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<td>Operational Assessment</td>
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Continual integration of new technologies
Upgrades and tests capabilities
Provides anytime Training Environment

One-stop-shop for most current DCO capabilities
Perform optimization of DCO capabilities prior to mission

Soldier operational environment
Access to software code for real-time (during mission) changes

Provide Integrated Capabilities, Latest Configurations, Real Time Soldier Capability Development/Optimization
What are we looking for?

- Management of 30 day prototyping Process
- Risk Management Framework assistance (60 day process)
- Recommendation of new technologies
- Assistance with technology selections
- Integration assistance
- Hosting Discussion Events
How will we get new requirements

- ARCYBER - Needs Form
- TRADOC - Capability Drop
- Operational Needs Statement
- Problem Statement

Anticipate at least 6-24 efforts a year plus consortium recommended emerging technology efforts

Users include PEO EIS, PEO C3T, PEO IEWS, RCO, ARCYBER, other services
Government Questions

- How do we build the bench
- What are the facility requirements; On base, Off base
- What type of events
- How to find new technologies
- How to secure the supply chain – willing to be monitored
- How to collaborate
- Sand box environment
Closing thoughts & Next Steps

How can you help us achieve:

• **Rapid** and **Agile** – Speed of Relevance; Ahead of threats & synchronized with technology?

• **Flexible** and **Efficient** – Modular & open designs; Embracing change & seizing opportunity?

• **Cost Effective** and **Enduring** – Collaborate & Transparent; Build the bench?
Next Steps

• December - One on Ones
• January - Strategy Determination: existing/new/tailored
• March - Solicitation
• May - Award
• For all meeting requests with DCO, please contact Ms. Aleida Aponte at
usarmy.belvoir.peo-eis.mbx.dco-industry-day@mail.mil

• Meetings will be scheduled for 30 minutes
• Provide the following information for each meeting request
  • Proposed date and time
  • Who from the company will be in attendance
  • Proposed agenda items
  • Will there be a demonstration

Thank You For Your Interest