



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

Consortium Industry Day

LTC Scott Helmore



UNCLASSIFIED



Introduction

- 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

“Request Support from ASA(ALT) to implement Agile and Rapid Acquisition Strategy” – VCSA (AUG 17)

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





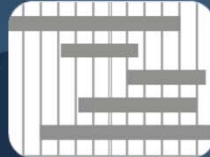
What are the Defensive Cyber Capabilities

Programs of Record Start

**By DAMOCY Priorities*

- 1. Cyberspace Analytics
 - 2. Garrison DCO Platform
 - 3. DCO Tools Suite
 - 4. Deployable DCO System
 - 5. DCO Mission Planning
 - 6. Tactical DCO Infrastructure
- FY18**
- 7. Forensics & Malware
 - 8. User Activity Monitoring
- FY19**
- 9. Advanced Sensors
 - 10. Threat Discovery
 - 11. Threat Emulation
- FY20**

C2



Mission Planning

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

Hardware & Software Mix

Flexible Requirements

New Emerging Technologies

Counter Mobility / Incident Handling



DCO Tools



Forensics & Malware

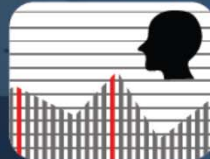


Threat Emulation

Reconnaissance / Indications & Warnings



Cyberspace Analytics



User Activity Monitoring



Advanced Sensors



Threat Discovery

Maneuver / Surveillance



Garrison DCO Platform



Deployable DCO System



Tactical DCO Infrastructure



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

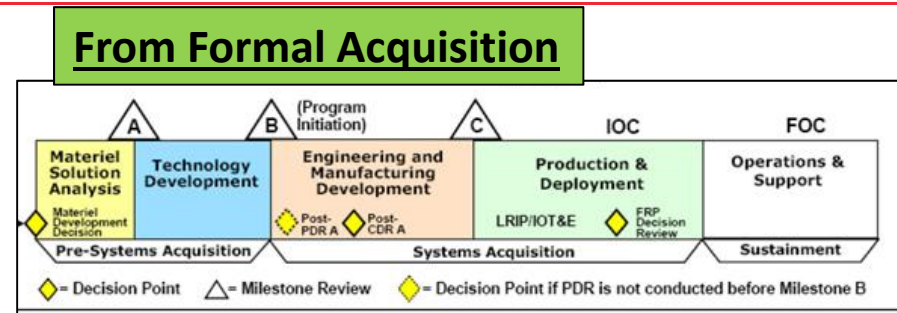
Mix of innovation and stability

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



Providing Acquisition Capabilities at the Speed of Relevance

Need a consortium to recommend technologies, recommend integration, keep open architecture, and build bench



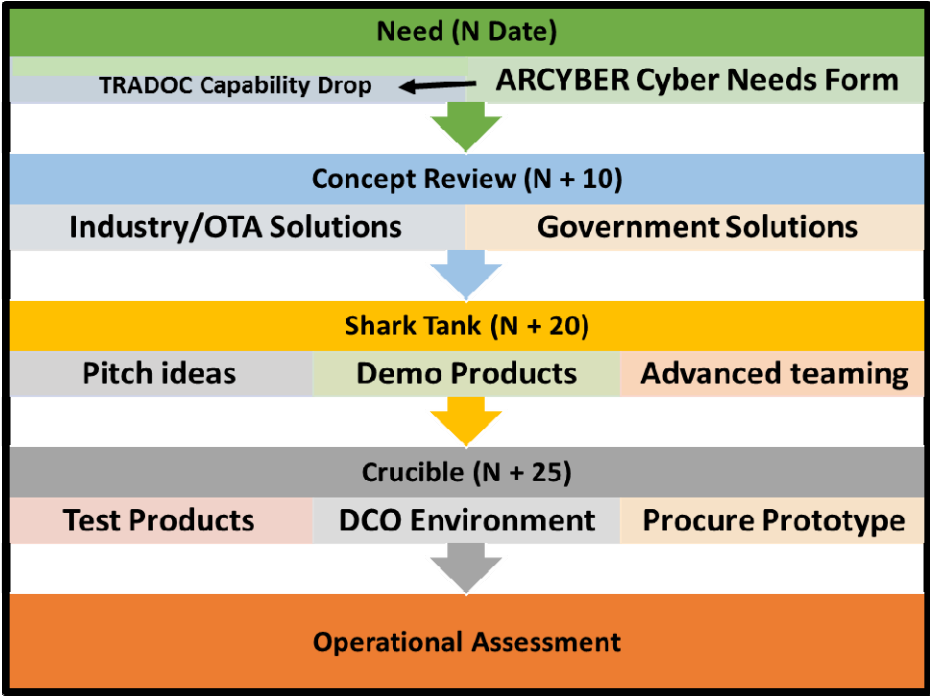
Evolutionary Acquisition “Flexibility”

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

Rapid Flexible Agile Stable

★ 30 Day Prototype Process ★



Collaborating with Industry we are:

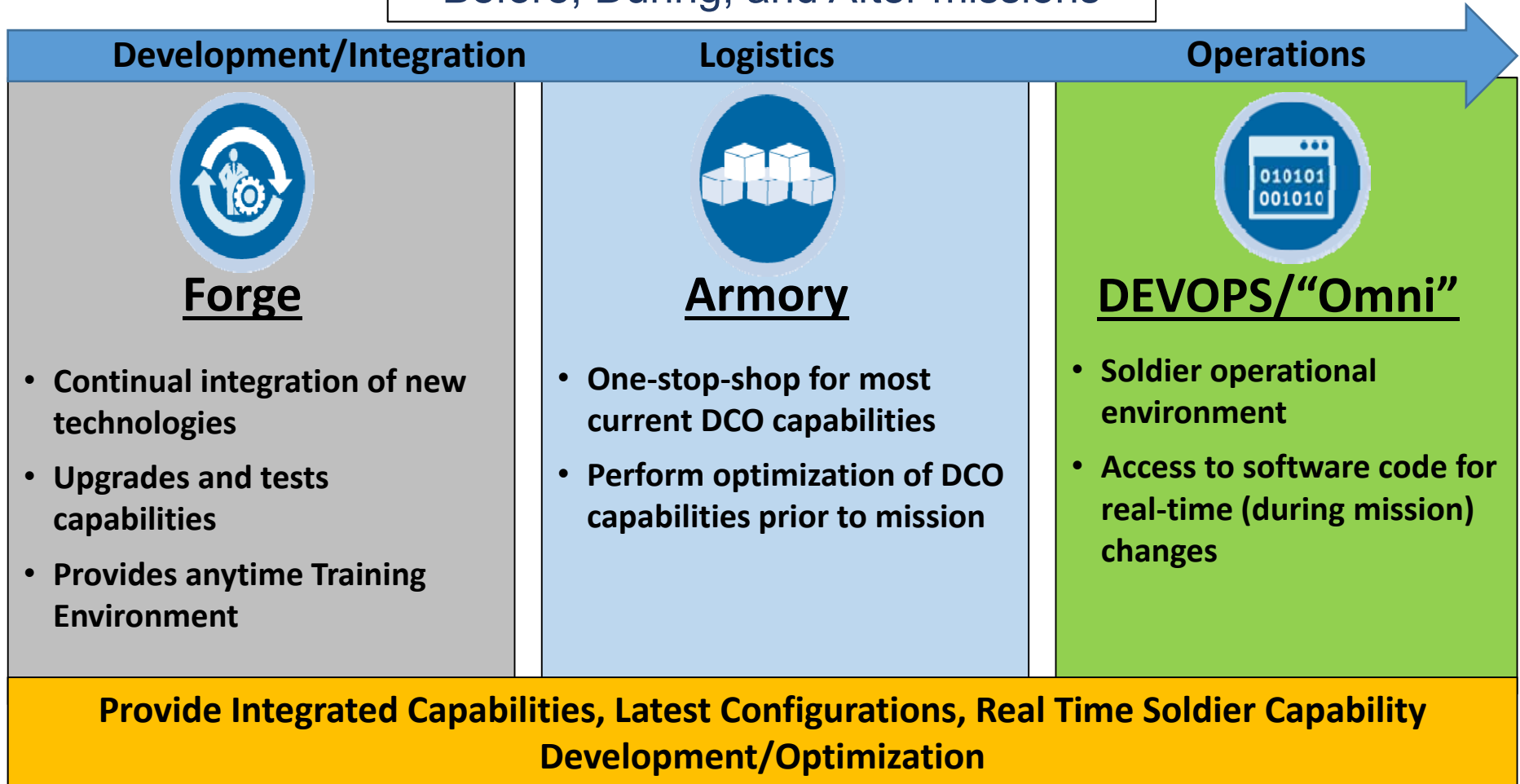
- **Cost Effective** - “Try before you buy”
- **Efficient** – Consortium problem solving
- **Enduring** - Building Cyber Industrial Bench



Systematic Evolution

“Mitigating Risks”

Providing Acquisition Capabilities
Before, During, and After missions





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?



Closing thoughts & Next Steps

Next Steps

- December - One on Ones
- January - Strategy Determination: existing/new/tailored
- March –Solicitation
- May - Award



Administrative

- 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