DCO Innovation Discussion

AFCEA Belvoir Industry Days
22 March 2019

LTC Scott Helmore, Product Manager, Cyber Platform Systems

Mr. Joe Kobsar, Director, Applied Cyber Technologies

Distribution Statement A. UNCLASSIFIED//Approved for Public Release
What has been accomplished

**Requirements**
- JCIDS IT Box: Delegated to ARB
- Cyber Needs Forms: Delegated to ARCYBER G3

**Contracting**
- Programs: 90 Day FAR awards (874 pilot)
- OTA: 30 Day Prototyping using C-RAPID process
- Simplified Acquisitions: BPA $13M threshold

**Life Cycle Management**
- Continual technology assessment: Forge
- Mission focused equipping and training: Regional Armory(s)
- Organic sustainment: Public Private Partnerships

**Resourcing**
- Single funding line all DCO programs: Realign/prioritize at PM level

**Acquisition**
- Single MDD: All DCO
- ACAT IVs: Delegated to 06
- SAMP: Streamlined documents
- Governance: Cyber Acquisition Task Force

**Acronyms Defined**
- JCIDS: Joint Capabilities Integration and Development System
- ARB: Army Requirements Board
- MDD: Materiel Development Decision
- SAMP: Single Acquisition Management Plan
- BPA: Blanket Purchase Agreement
- ACAT IVs: Acquisition Category (out of four)

**Leading Acquisition Innovation in support of our Cyber Warriors**
PM DCO Contracts Strategy

**Acquisition Method**
- **OTA Agreement**
  - Non-FAR-Based Other Transaction Authorities (OTA) Agreement, 2016 NDAA Section 815
  - PM DCO will utilize COBRA OTAP
  - OTA completed prototypes will feed Integration and Production contract vehicles
  - *May award Production OTAs as bridging strategy*

- **Multiple Award IDIQs**
  - FAR-based multiple-award IDIQ
  - Full and Open Competition for initial IDIQ award pool of vendors
  - Vendor pool includes periodic on-ramps
  - Fair Opportunity competition on task orders
  - Base period is 3 years with 2 one-year options
  - IDIQ timeline: 18-24 months

- **Production BPAs**
  - FAR-Based multiple award BPAs per FAR 13.303-2(c)(1)
  - Vendor pool includes periodic on-ramps (OTA performance)
  - All individual production requirements will be competed among all BPA holders
  - Individual BPA Calls will not exceed $13M each IAW FAR 13.500(c) Class Deviation 2018-00018

**In Development:**
- Tools
**In Selection:**
- Services (Eagle Shield)
What we have tried

• Requirements
  • IT Box
  • Cyber Needs Form
  • Use Case Focus
  • Formal Requirements
  • Evolving during OTA (refined based on vendor engagements)

• Contracting
  • FAR 18 (Emergency) + FAR 13 (Simplified)
  • Multi-Step processes
  • OTA (C-RAPID; Coliseum)

• Evaluations
  • Using White Papers
  • Using Quad Charts
  • Qualification Gates (using ranges)

• Testing
  • Acceleration – 1 Day at Forge; 2 weeks at Battle Lab
  • Cyber Security – Using Soldiers
The goals of COBRA OTA projects are to:

a. **Facilitate** Government interactions with Industry to improve understanding of needs and capabilities;

b. **Identify** innovative potential solutions quickly from a variety of sources; and

c. **Evaluate** potential solutions to determine suitability for integration into the target mission environment.

**DOTmLPF** = Labyrinth

**Event Driven** = Coliseum

**Deliberate** = Enterprise

**Speed** = C-RAPID

**Expertise** = Constellation
The Initial Selection
The White Paper Evaluation phase ensures that responding vendors:
- Understand the mission and requirements
- Have a technically feasible solution
- Possess the necessary expertise to execute

The Pitch
In the Gauntlet phase the Government:
- Receives a demonstration of solutions
- Narrows down vendors to best industry concepts
- Provides feedback that will enable final participants to refine ideas or team with others

Prototype Assessment
In the Crucible phase the Government:
- Receives a final prototype capability demonstration
- Assesses the prototype within the DCO environment
- Determines prototype(s) to proceed with an Operational Assessment

Negotiate Operational Assessment Contract
Award to Selected Consortium Member

The Initial Screening
- Ensures that the Government requirement is written in terms understood by industry
- Validates that the project announcement is gathering the right kind of responses
- Selects participants to further explain their capabilities through White Papers

Project Announcement (RFWP)

Slick Sheets/Q&A
- White Paper Evaluation
- Gauntlet
- Crucible

Goal = 30 Days
Actual = 64 Days
- Decision Made in 34 Days
- Adjusted requirement (Day 20)

DDS Modular
- White Paper
- Refine Offer
- Negotiations
- Build
- Test
- 6+ Months
- 20 Days
- 30 Days
- 120 Days
- 30 Days
- 2 weeks
- 60 Days
- 14 Days
What We Are Considering

• Awarding to a Constellation vs individual firm
  • Constellation formed around architecture
  • Multiple awards within Constellation

• Price challenges – bounties (buying intellectual property) – Labyrinth

• Industry recommended capabilities

• Location near troops

• Hackathons

• IR&D overlays
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.

**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.

**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.wilson35.civ@mail.mil
- Brian.N.Jackson14.civ@mail.mil

**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

**Timeline**
- Kick-off discussion: 5 MAR 19
- Quad Charts due: 15 MAR 19
- One on Ones scheduled: 19 MAR 19
- Exhibit Review: 21-22 MAR Gaylord
- Down Select: 27 MAR 19
- Request for white papers: 1 APR 19
Constellation

- Collaborating on problems
- Recommend new technology, pilots, applications
- Educating the Government and industry
- Improving tactics techniques and procedures
- Technology investment recommendations

Next Step: Pilot Lead
- SETA Contractor
- Academic (IPAs)
- Industry Volunteer

Constellation Pathways

1. Translating requirements
2. New technology/applications (quarterly)
3. Educate Events & Coliseum events
4. Operational support
5. S&T Research and Resourcing

Future Discussions:

- Lead
- Traditional Vendors
- Non-Traditional Vendors
Focusing on prototype solutions vs materials

• Models and Methodology (Data Rights & Intellectual Property)

• Given current Army Capabilities; Recommend or Develop new tactics, Techniques, procedures, builds; Engineer Solutions:
  - New automation (Ansible)
  - Tool interoperability
  - New algorithms (Big Data Platform)

• Use price challenges
  • Open challenges with funding pools
  • Sliding scale awards
  • Multiple awards

Pilots:
(T) West Point – Algorithm
(T) Austin - Automation
Help Needed

- Training
- Licenses
- Software negotiation and forecasting
- Tools
- Open source vs secure
- Better ways to assess technology
Events

- **Information events** - Open to all members
- **Collaboration events** - May be open to all members or invite only, depending on topic
- **Procurement Events** - Invite only
- **Assessment Events** - Select technology
- **Brainstorming Events** - Invite only
- **Constellation Events** - Open to all constellation members

**Information**
- Risk Management Framework
- DCO Demo Days
- DCO Tools

**Collaboration**
- Public Private Partnerships

**Procurement**
- Coliseum (AFCEA Belvoir); 21-22 March
- Collaboration Tool; April
- Labyrinth (Austin); T-May/June
- Coliseum (Technet); 19-23 August
- Coliseum (AUSA); 14-16 October

**Brainstorming**
- New Equipment Training; T-April
- License Library; T-May
Thank you!