



**U.S.ARMY**



# DCO Innovation Discussion

**AFCEA Belvoir Industry Days  
22 March 2019**

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# What has been accomplished



## Acronyms Defined

**JCIDS:** Joint Capabilities Integration and Development System

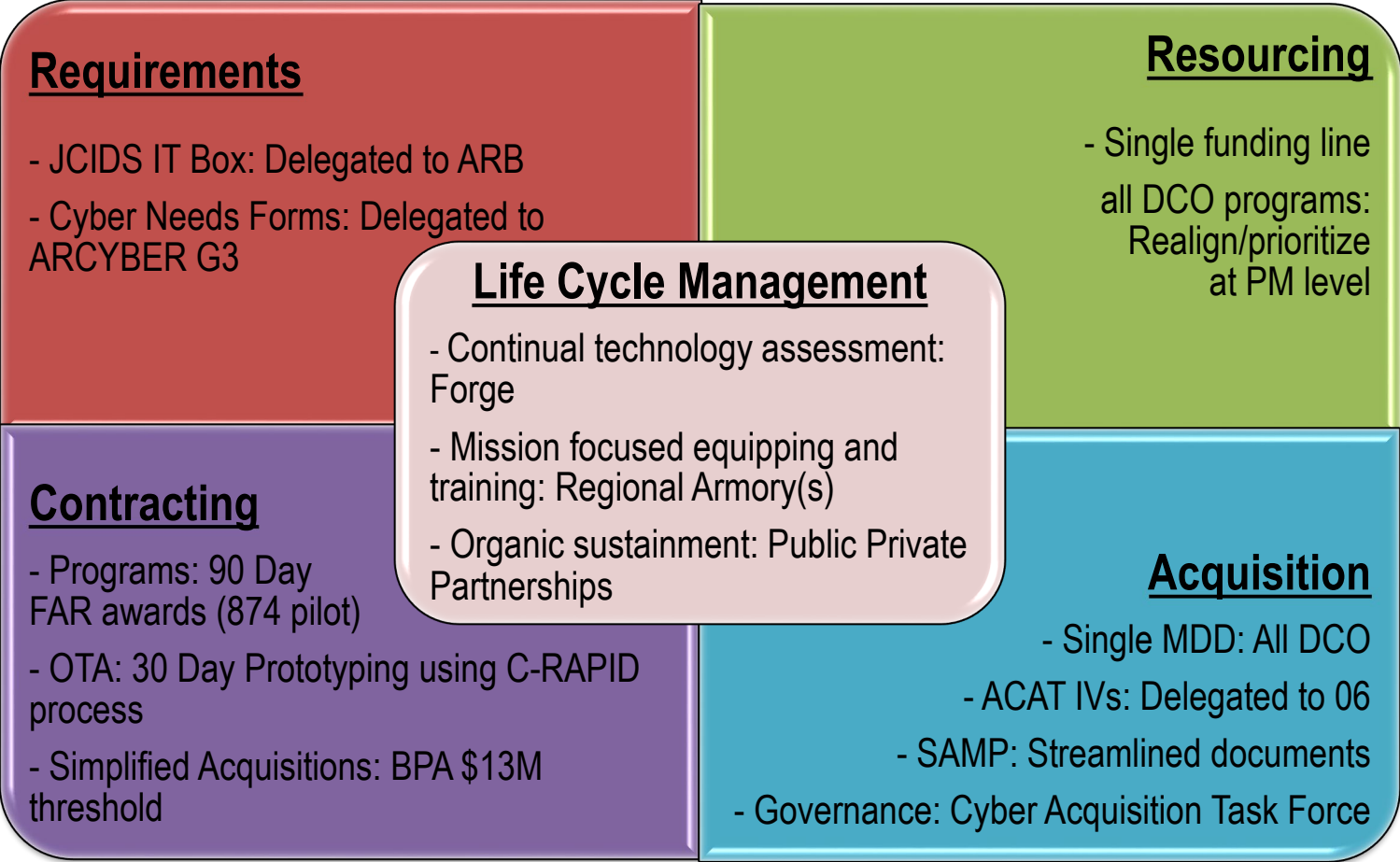
**ARB:** Army Requirements Board

**MDD:** Materiel Development Decision

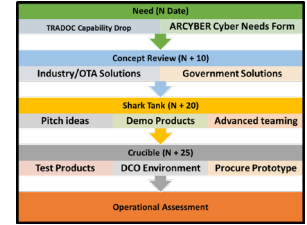
**SAMP:** Single Acquisition Management Plan

**BPA:** Blanket Purchase Agreement

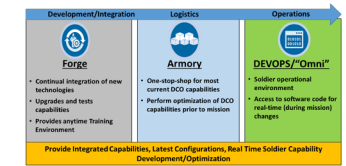
**ACAT IVs:** Acquisition Category (out of four)



## C-RAPID Cyberspace Real-time Acquisition Prototyping Innovation Development



## Forge/Armory/Omni



## Constellation

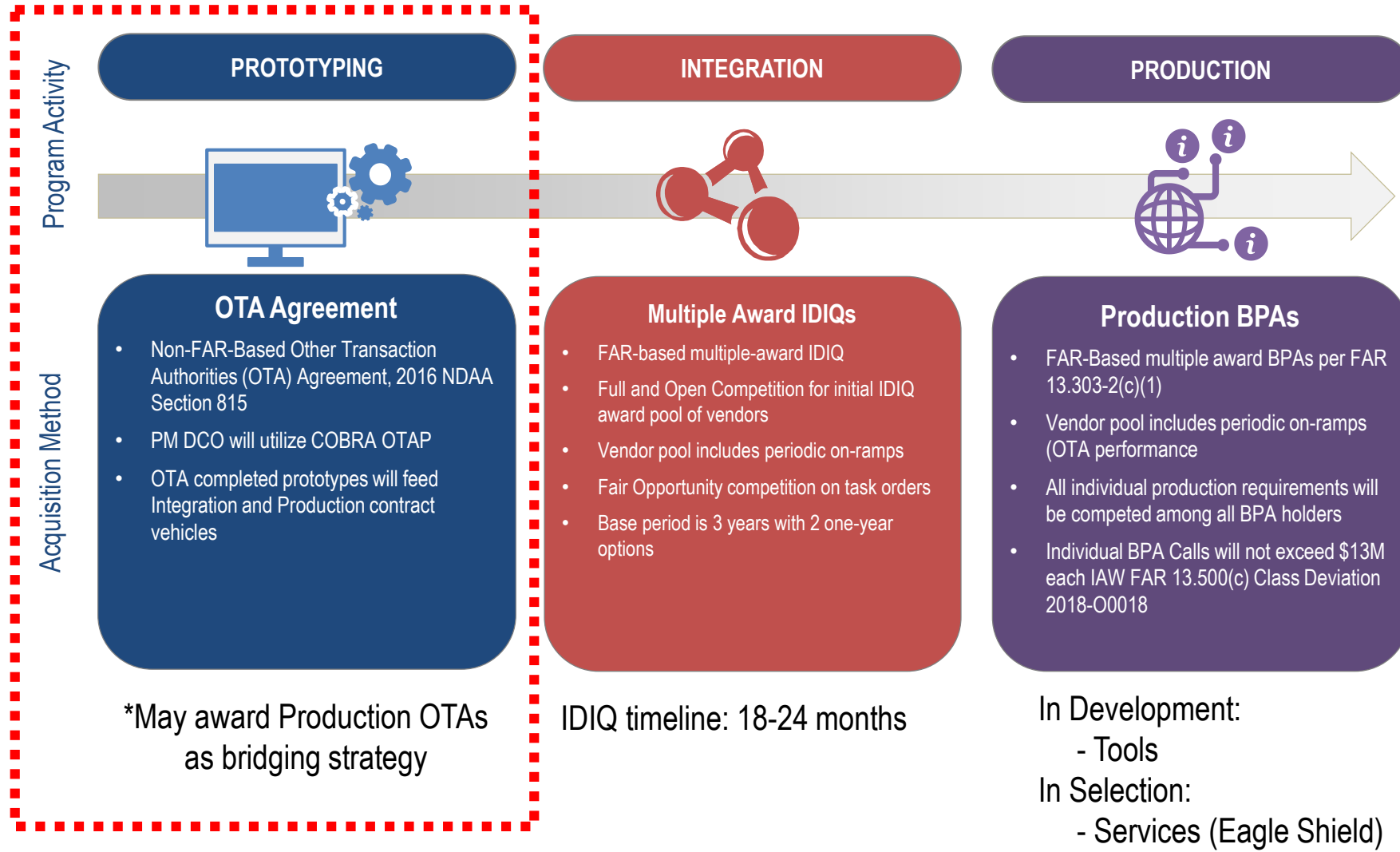


**Leading Acquisition Innovation in support of our Cyber Warriors**





# PM DCO Contracts Strategy

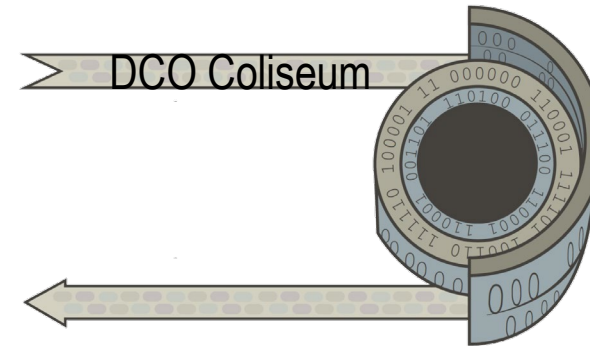




# What we have tried



- **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



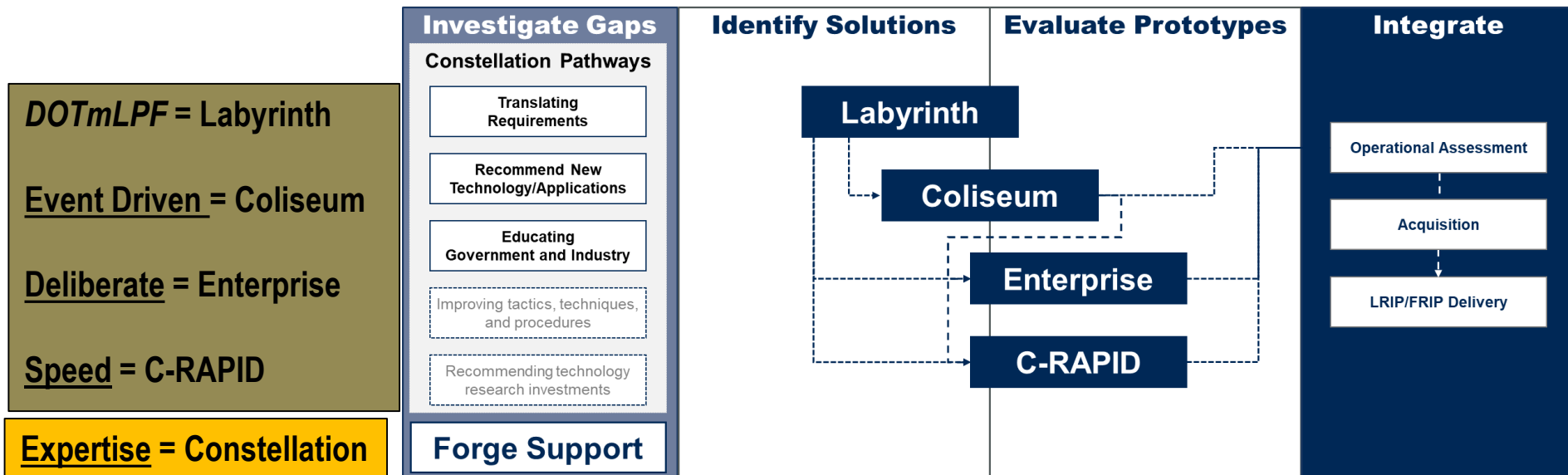


# Pathways



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.





# C-RAPID Milestones



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

### The Initial Selection

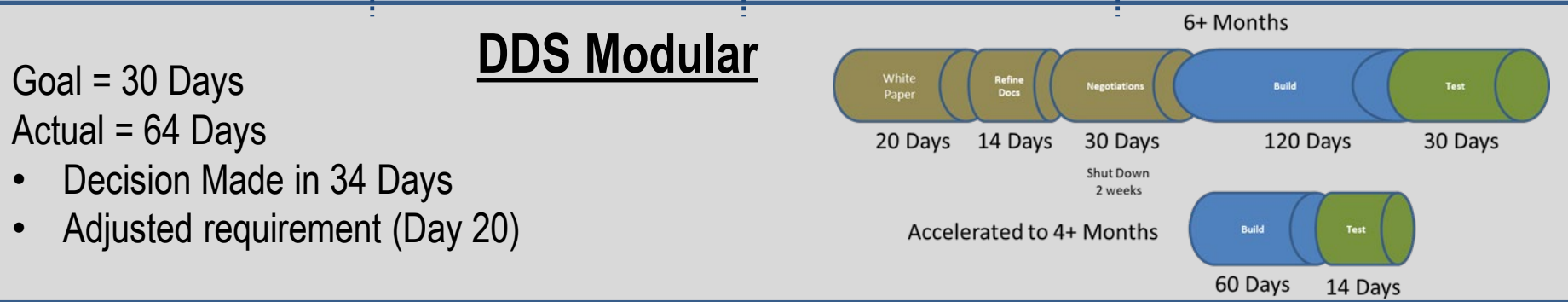
- The White Paper Evaluation phase ensures that responding vendors:
- Understand the mission and requirements
  - Have a technically feasible solution
  - Possess the necessary expertise to execute

### 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

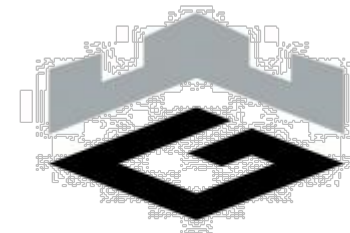




# What We Are Considering



- 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



GEORGIA CYBER CENTER





# 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



[www.fbcinc.com/e/AFCEABelvoir](http://www.fbcinc.com/e/AFCEABelvoir)



**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.wilson35.civ@mail.mil](mailto:Stephanie.wilson35.civ@mail.mil) or [Brian.N.Jackson14.civ@mail.mil](mailto: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

**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.









# Constellation

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

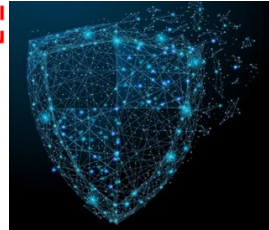





### Constellation Pathways



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

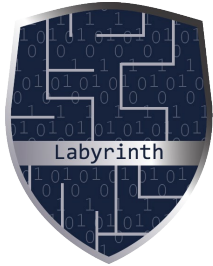
## Next Step: Pilot Lead

- SETA Contractor
- Academic (IPAs)
- Industry Volunteer





# Labyrinth



Labyrinth



## 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



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# Thank you!

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