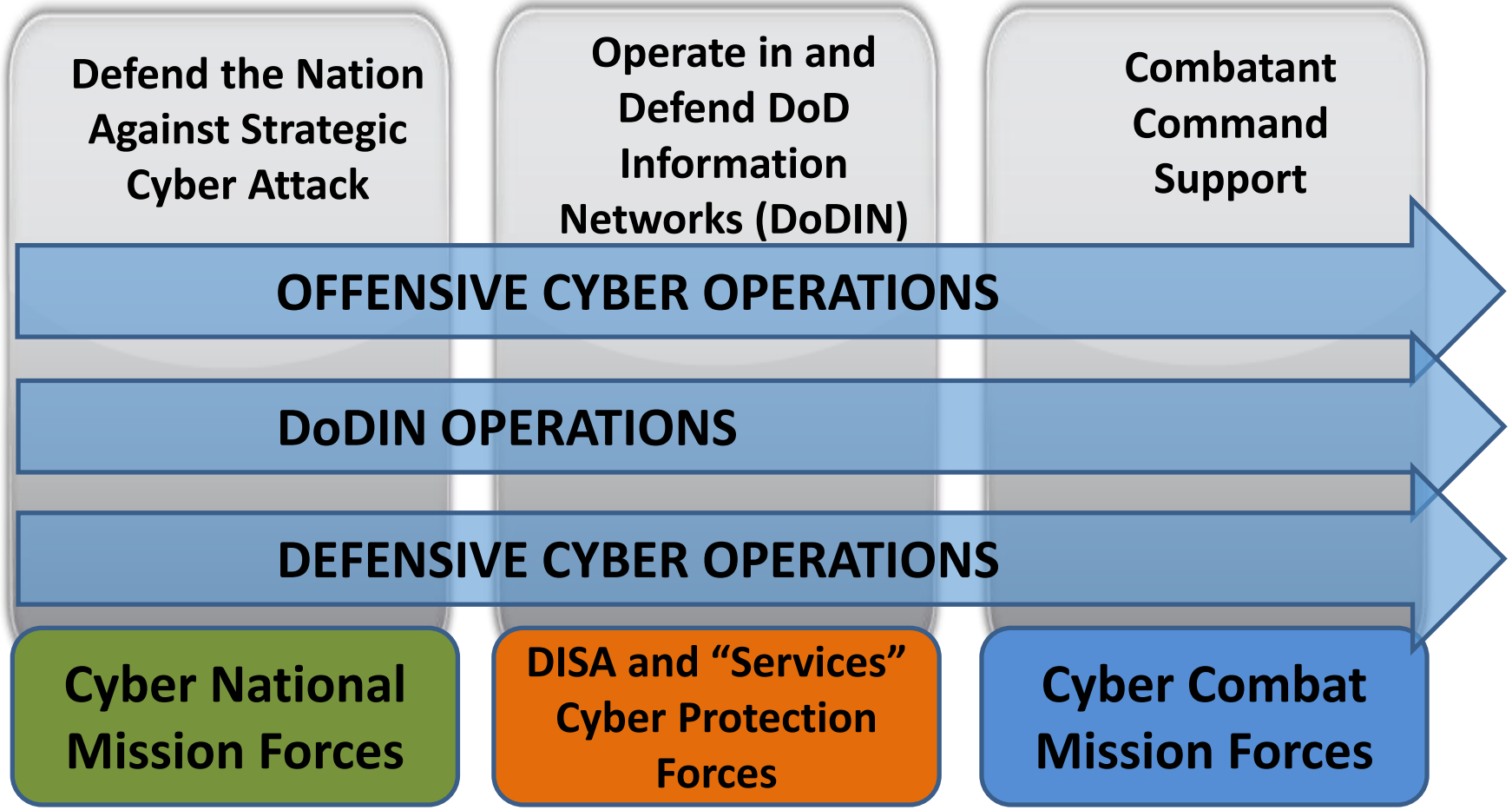
J92 Technology Outreach and Partnerships

The overall classification of this briefing is: Unclassified

US Cyber Command

USCYBERCOM plans, coordinates, integrates, synchronizes and conducts activities to: direct the operations and defense of specified Department of Defense information networks and; prepare to, and when directed, conduct full spectrum military cyberspace operations



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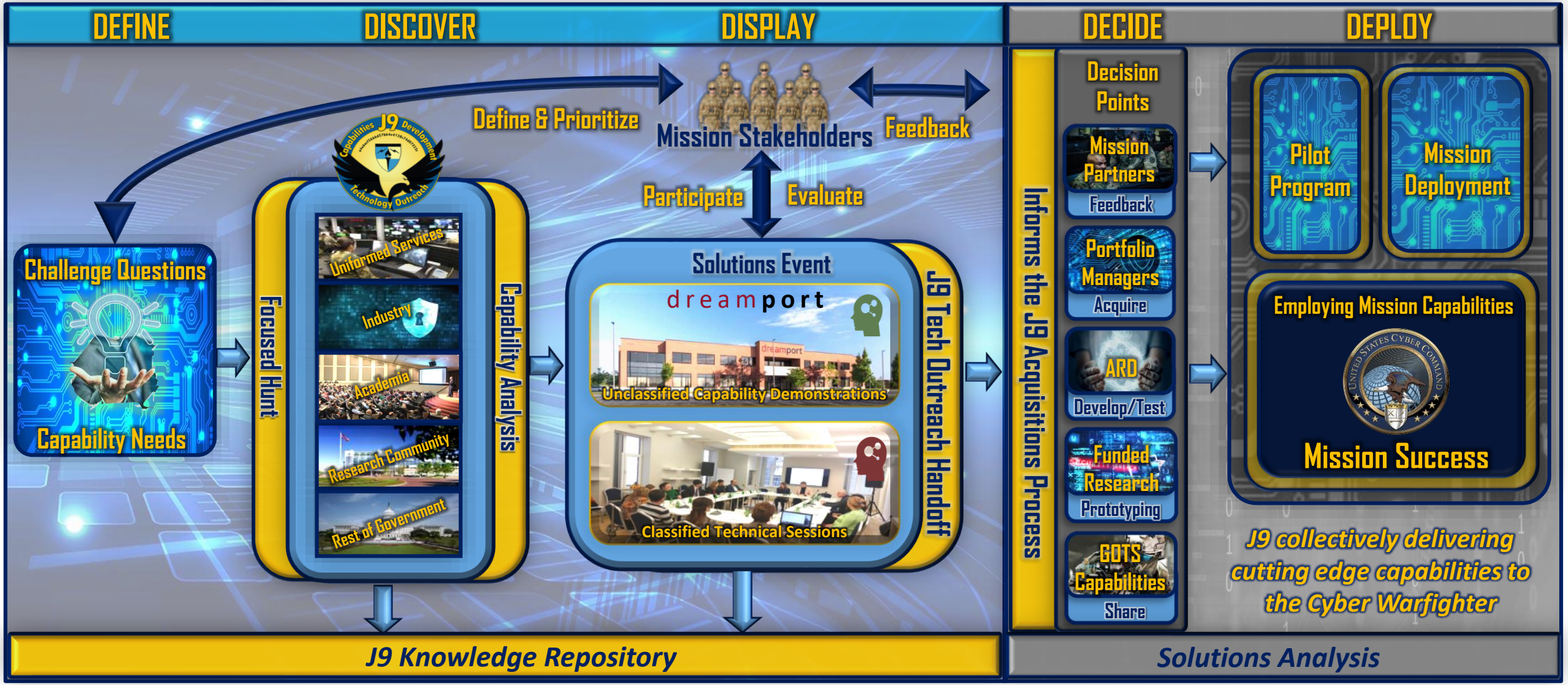
Corporate Partnerships

- What do we need?
- Where do we get it?
- How do we get it?

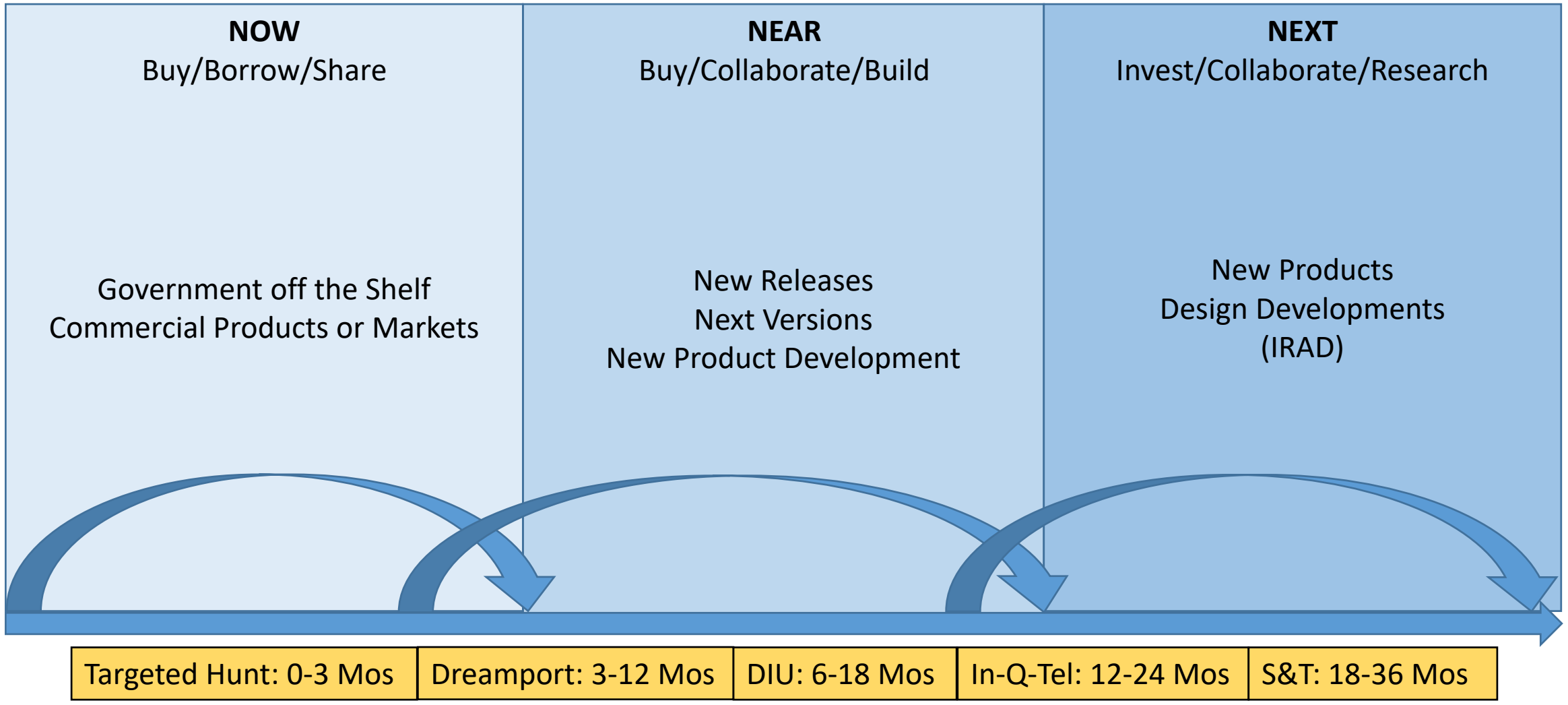
CUSTOMER?

J92 Technology Outreach: High Level

Finding and Fielding Capabilities



Timelines and LOE Relationships



Collaborative Process Orders

United States Cyber Command

Maryland Innovation and Security Institute

Partnership Intermediary Agreement

Completed

Current

Options

CPO 1 Stand up plans	CPO 2 Operate	CPO 3 O&M	CPO 4 USCC: 8 May 19 – 30 Nov 19	CPO 5 OSBP: 15 Feb 19 – 30 Nov 19	CPO 6 USCC: 1 Dec 19 – 30 Nov 20
CPO 7 OSBP: 1 Dec 19 – 30 Nov 20	CPO 8 USCC: 1 Dec 20 – 30 Nov 21	CPO 9 USCC: 1 Dec 21 – 30 Nov 22	CPO 10 USCC: 1 Dec 21 – 30 Nov 22	CPO 11 USCC: 1 Dec 21 – 30 Nov 22	CPO 12 JAIC: 1 Jul 19 – 30 Nov 19

DreamPort

(U) What is it?

- (U) An unclassified cyber collaboration venue entered into via a partnership intermediary agreement (PIA) with a non-profit entity; Maryland Innovation and Security Institute (MISI).
- (U) Place for interaction and collaboration between gov't partners, academia, industry and non-traditional contractors to develop solutions to the Command's capability gaps.

Overall Graphic classification: UNCLASSIFIED

DreamPort

- State-of-the-art Cyber Prototyping and Collaboration
- Managed by MISI: Maryland Innovation & Security Institute
- Testing, Integration & Fabrication Labs
- Cyber Ranges and Test Networks
- Ad-hoc Demonstration Center

USCYBERCOM Technical Challenge Problems

Currently 44 Unclassified Technical Challenge Problems

- **Posted on USCYBERCOM Home Page**
- **Under Partnerships Tab – Technical Outreach**
- **https://www.cybercom.mil/Partnerships-and-Outreach/Technical-Outreach-Division/**

Upcoming 2020 draft revision spans 6 Categories:

- ***Vulnerabilities and Exploits***
- ***Network Security, Monitoring and Visualization***
- ***Modeling and Predictive Analytics***
- ***Persona and Identity***
- ***Cross-Domain Permeability and Agility***
- ***Infrastructure and Transport***

J92 Technology Outreach: High Level

Foundational Tools

- *Cyber maneuver tool sets or exploits*
- *Signature diversity technology (e.g. polymorphic code)*
- *Tool testing techniques (pen-testing)*
- *Cyber Autonomy to advance speed and scale*

Split-Based OPS Technology

- *Tools for integration into deployable kits/systems*
- *Rapidly deployable sensors that include:*
  - *Innovative remote C2 technology*
  - *Undetectable/low signature network presence*

Analytic Tools

- *Behavioral Analytics, Machine Learning, Artificial Intelligence & Cognitive Intuition to discover malicious or anomalous activity*

Unconventional Access Tools

- *Tools to gain cyberspace operational access*

J92 Technology Outreach: Contacting Us

HOW YOU CAN ENGAGE WITH US CYBER COMMAND TO OFFER SOLUTIONS:

STEP 1: Review the US CYBER COMMAND Technical Challenge Problems at www.cybercom.mil/Partnerships-and-Outreach/Technical-Outreach-Division/

STEP 2: Prepare a non-proprietary response describing how your solution*(s)* can solve one *(or more)* of the Technical Challenge Problems. Include Technical Readiness Level.

STEP 3: Email your non-proprietary response to engage-with-cybercom@cybercom.mil.

J92 Technology Outreach: Contacting Us

HOW YOU CAN ENGAGE WITH US CYBER COMMAND THROUGH DREAMPORT:

- Register at the MISI DreamPort website, www.dreamport.tech, to receive updates and announcements.
- Monitor the site and respond to Rapid Prototyping Events *(RPEs)*, Prize Challenges and other notices.
- Visit Dreamport for Cyber Conversation & Coffee *(C3)* from 0730-1000 on the 2nd or 4th Monday of each month.
- Request a tour of DreamPort on their website.

J92 Technology Outreach

Mission:

J9 Technology Outreach engages the Military Services, Industry, Research Community, Academia and Rest of Government to discover capabilities for the Cyber Mission Force to enable USCYBERCOM's operational mission.

Vision:

Continuously engage a broad network of cyber partners to provide solutions that fill current and anticipated USYBERCOM capability needs.

Contact:

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What do we need?