

Connect to Mission

June 4, 2024

Featuring: NSWCC Crane's
Global Deterrence and Defense Department



Crane Regional Defense Group

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CRANE REGIONAL
DEFENSE GROUP



Agenda

- Crane Command Welcome: *Dr. Angela Lewis (SES), NSWC Crane Technical Director*
- Global Deterrence & Defense Department: *Mr. James "JR" R. Ross (SSTM), Department Director & Mr. Brian Stuffle, Chief Strategist*
- Division Manager Panel: *Mr. Brian Stuffle, Chief Strategist, Global Deterrence & Defense Department (facilitator)*
- Networking Break
- Specialized Topics Presentations
- Networking Break
- Acquisition Approach Panel: *Ms. Lisa A. Good, Chief of the Contracting Office (facilitator)*
- Broad Agency Announcement
- Closing Comments
- Networking: *Join PRF for the First Tuesday Event featuring ARI*



Crane Regional Defense Group

Our Mission:

To elevate the strategic value of Crane and expand southern Indiana's defense innovation ecosystem through defense-related outreach and legislative initiatives that enhance military missions in the region.

Our Objectives:

Educate & Inform - Educate and inform the business, citizens, and governments of the region about the economic and cultural benefits of a strong military presence in the region and the importance of the related regional infrastructure.

Promote Defense - Serve as a catalyst to promote defense ecosystem assets within NSA Crane and throughout the Indiana Uplands region.

Stimulate Relationships - Through the diversity of the membership, coordinate with various entities who have similar interests in maintaining a healthy and stable community, economy, and DOD installations in our region.



Crane Regional Defense Group



C2M EVENTS

Crane Regional Defense Group

THANK YOU

CRDG MEMBERS FOR YOUR SUPPORT!

2024 GOAL

1000

CRANE REGIONAL
DEFENSE GROUP



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NSWC Crane

Dr. Angela Lewis (SES), *Technical Director*



Connect to Mission

Global Deterrence and Defense

Mr. James "JR" R. Ross (SSTM), *Department Director*

Mr. Brian Stuffle, *Chief Strategist*



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Global Deterrence and Defense Department

Connect to Mission

Presented by: Mr. JR Ross



CAPT Rex Boonyobhas, USN
Commanding Officer

Dr. Angela Lewis, SES
Technical Director



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HARNESSING THE POWER OF TECHNOLOGY FOR THE WARFIGHTER

STRATEGIC MISSIONS CENTER

Strategic Missions encompasses the full range of Department of Defense activities that alter an adversary's will and ability to attack the United States and its interests.



DETER. DEFEND. DEFEAT.

STRATEGIC MISSIONS THRUST AREAS



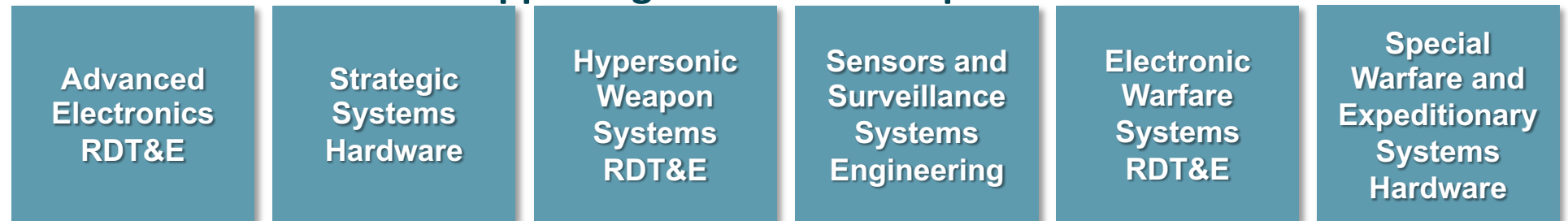
- ✓ **Trusted Electronics**
 - ✓ DoD Trusted Microelectronics Leadership
 - ✓ Microelectronics Innovation
 - ✓ Hardware Cybersecurity
- ✓ **Nuclear Modernization**
 - ✓ Navy Leadership
 - ✓ Air Force Leadership
 - ✓ Triad Coverage
- ✓ **Hypersonics**
 - ✓ Underwater Test/Launch Capabilities
 - ✓ Hardware-In-The-Loop (HWIL)
 - ✓ JHTO SEFA

DEPARTMENT OVERVIEW

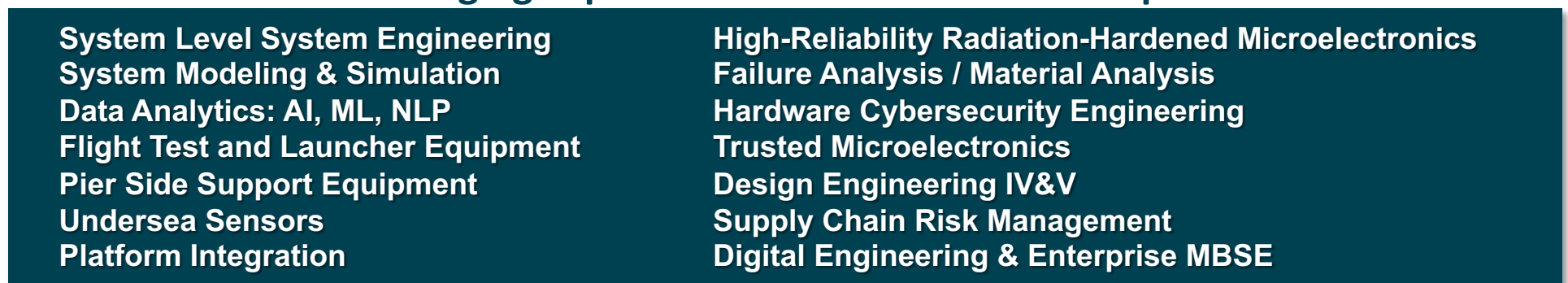
Five Divisions



Supporting Six Technical Capabilities



Leveraging Expertise In Critical Areas of Discipline



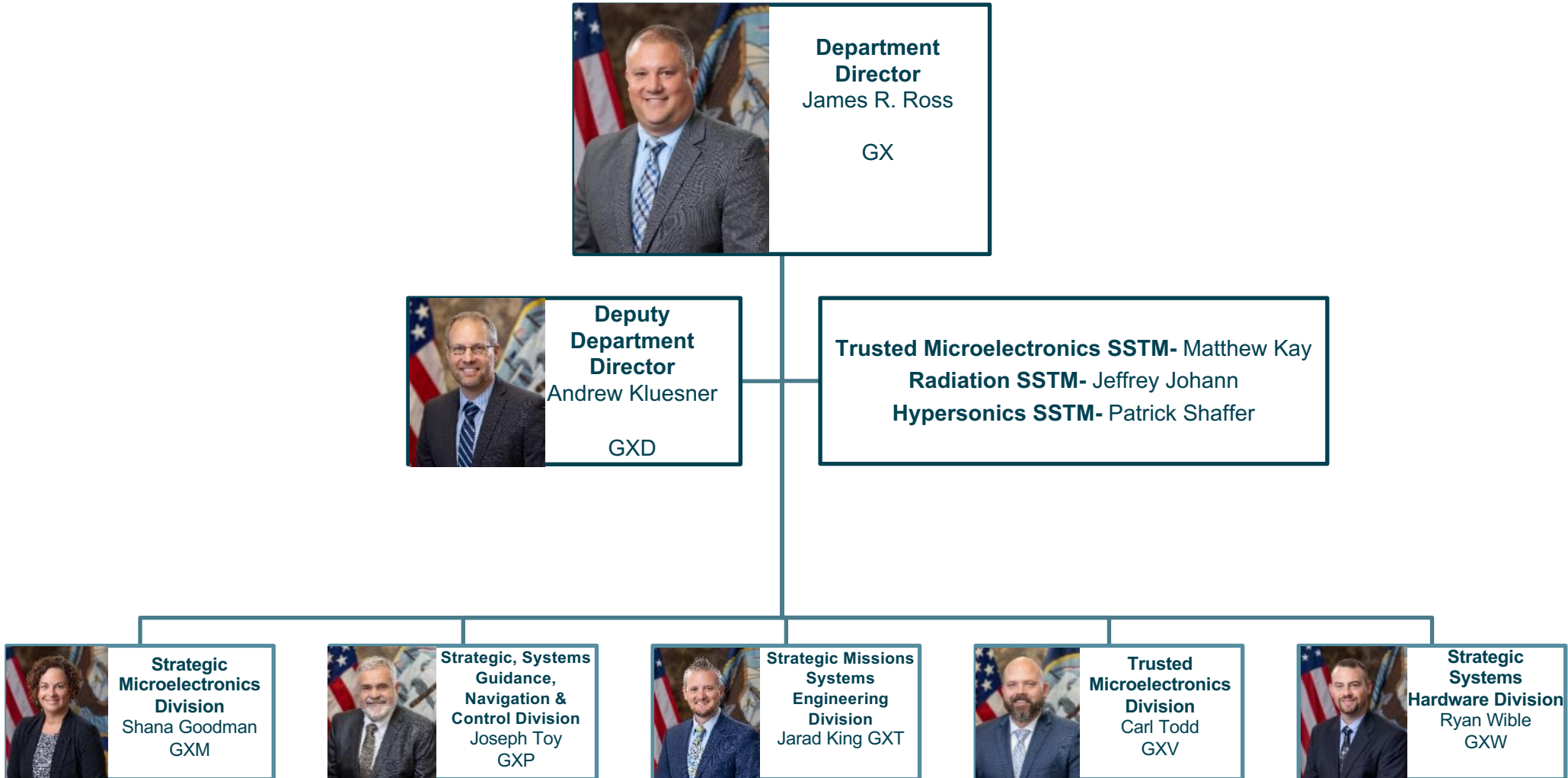
Strategic Missions Focused

- DoD Executive Agent & Technical Warrant Holder for Printed Circuit Board Technologies
- Joint Federated Assurance Center Hardware Assurance Lead for DoD and also for the Navy
- DoN S&T Lead for Anti-tamper
- Naval Sea Systems Command Anti-tamper Technical Warrant Holder
- Deputy Chair, Naval Sea Systems Command Counterfeit Materiel Prevention Policy Integrated Product Team
- Chair Strategic Rad Hard Electronics Council
- NAVSEA Warfare Center Knowledge Point Champion for Hypersonics, Cybersecurity, Trusted Electronics
- Technical Execution Lead for Strategic Rad Hard Electronics Council Trusted & Assured Microelectronics
- Navy Representative for Defense Microelectronics Cross-Functional Team
- NAVSEA Technical Warrant Holder for Electronics
- Radio Frequency & Optoelectronics



National Leadership

Global Deterrence and Defense Department



Connect to Mission

Division Manager Panel

Mr. Brian Stuffle, *Chief Strategist (facilitator)*

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Strategic Microelectronics

Presented by: Tammy Berger



CAPT Duncan McKay, USN
Commanding Officer

Dr. Angela Lewis, SES
Technical Director



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Parts Management

- Full lifecycle support

Analog & Digital Design

Electrical Test & Evaluation

Environmental Test

Construction Analysis

- Verification to part drawings and associated standards

Failure & Material Analysis

- Fault isolation
- Failure mechanism determination
- Root cause identification
- Recommended corrective actions
- Impact assessments

Radiation Test & Evaluation

- Short Pulse Gamma
- Flash X-Ray
- Combined Environment (14mEV Neutron DPF and LINAC)
- Irradiators

Modeling of Radiation Effects

Radiation Transport

System Survivability

- Environment M&S
- EMP & SGEMP test

Trusted Microelectronics

Presented by: Carl Todd



CAPT Rex A. Boonyobhas
Commanding Officer

Dr. Angela Lewis, SES
Technical Director



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TRUSTED MICROELECTRONICS DIVISION

**Supply Chain Risk Management/
Supply Chain Illumination**

JFAC Hardware Assurance

**Microelectronics Counterfeit Detection & Policy
Development**

Hardware Security Assessments

**Design Assurance & Design Verification/ Validation
for ASIC/FPGA**

Program Protection Planning

System Security Engineering

Obsolescence Risk Management

**Contracts Expected Within Next
24 Months**

**N0016421F3011 – Precise
Systems**

- End Date 2/4/2026

**NSWC Crane provides Engineering & Sustainment Expertise focused on Trusted
Microelectronics for Strategic & High Reliability Systems**

Strategic Systems Guidance Navigation and Control

Presented by: Joseph Toy



CAPT Rex A. Boonyobhas
Commanding Officer

Dr. Angela Lewis, SES
Technical Director



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STRATEGIC SYSTEMS GUIDANCE NAVIGATION & CONTROL DIVISION

Strategic Systems Trusted Agent

- Guidance Subsystem - HWIL
- Fire Control Subsystem
- Navigation Subsystem
- Missile Subsystem

Equipment Logistics Management

- Calibration
- Test & Measurement Equip
for Ohio/Vanguard &
Columbia/Dreadnaught

Undersea Sensors

- Surface Ship ASW
- Submarine
- Weapon Subsystem

Contracts Expected Within Next 24 Months

(Continued on next page)

N0016426DGPXX – NSWC Calibration Lab

- End Date – 9/2/2025
- Planned Award Date – 9/3/2025

Seaport Contract to replace N0016421F3017 (Bowhead)

- End Date – 4/20/2026
- Planned Award Date – 2/20/2026

N0016425DGP85 – SP24 Hydrophone Cables and Windows

- End Date – 3/13/2024
- Planned Award Date 3/12/2025

N0016425DGPXX – SP24 Hydrophone Thermistor and Transducer Connectors

- End Date – 9/19/2024
- Planned Award Date – 4/25/2025

N0016425DGPXX – SP24 Hydrophone Housings and Baffle Rings

- End Date – 5/14/2024
- Planned Award Date – 5/13/2025

**NSWC Crane Provides Full Life Cycle Support
To Navy Strategic Guidance and Shipboard Systems**



STRATEGIC SYSTEMS GUIDANCE NAVIGATION & CONTROL DIVISION

Contracts Expected Within Next 24 Months

N0016525DGPXX – SSP Trident II D5 Life Extension (D5LE) Test Support

- End Date – 9/2/2025
- Planned Award Date – 9/3/2025

N0016426DGPXX – SP24 TR-143A Transducers

- End Date – 2/1/2025
- Planned Award Date – 4/7/2026

N0016424DGP78 – AN/SQS-53C Stave Frames

- End Date – 12/8/2024
- Planned award date: 6/24/2024

N0016424DGP80 – SP24 Ceramic Elements

- End Date – 8/31/25
- Planned award date: 9/16/2024

N0016425DGP79 – TR-343 Transducer Repair Kits

- New Contract
- Planned Award Date - 11/15/2024

N0016425DGP82 – TR-343 Boot Assembly

- End Date – 3/11/2024
- Planned Award Date – 12/30/2024

N0016425DGP83 – TR-343 Tube Assembly

- End Date – 11/26/2023
- Planned Award Date – 12/30/2024

N0016425DGP81 – Outboard Connectors for Sonar Equipment

- End Date – 8/23/2026
- Planned Award Date – 1/6/2025

**NSWC Crane Provides Full Life Cycle Support
To Navy Strategic Guidance and Shipboard Systems**

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Strategic Systems Hardware Division

Presented by: Ryan Wible



CAPT Duncan McKay, USN
Commanding Officer

Dr. Angela Lewis, SES
Technical Director



Distribution Statement A: Approved for public release. Distribution is unlimited.

- **Advanced Concept Development**
- **Flight and Ground Test**
- **Launcher Support Equipment**
- **Rocket Motor Transportation and Handling**
- **Missile Systems Operations and Handling**
- **Electrical Test Sets**
- **Technical Design Review/Analysis**
- **Modernization Plans**
- **Advanced Composites Analysis**

Contracts Expected Within Next 24 Months

N0016421F3016 – SAIC

- End Date 03/29/2026
- Planned Award Date: 01/29/2026

FA807523F0035 – SAIC

- End Date 08/21/2028

FA807523F0018 – Amentum

- End Date 03/22/2028

Strategic Missions Systems Engineering

Presented by: Jarad King



CAPT Rex Boonyobhas, USN
Commanding Officer

Dr. Angela Lewis, SES
Technical Director



Distribution Statement A: Approved for public release. Distribution is unlimited.

- **Systems Life Cycle Integration**
- **System Level Modeling & Simulation**
- **Test Verification & Validation(V&V)**
- **Requirements & Interface Management**
- **Product Data Management**
- **Model Based System Engineering (MBSE)**
- **Data Analytics, Artificial Intelligence, Machine Learning, & Natural Language Processing**
- **Electronic Security Systems**
- **Nuclear Weapons Surety**
- **Augmented Reality & Virtual Reality (AR/VR)**
- **Metrology and Laser Scanning/LiDAR**
- **Reliability, Availability, & Maintainability (RAM)**
- **Independent Quality Assurance Inspection**

Contracts Expected Within Next 24 Months

N0016422F3002 – SAIC - ESS

- End Date 2/15/2027
- Planned Award Date: 11/01/2026

N0016420F3009 – JRC – MDA AA/DM/DV

- End Date 5/31/2025

N0016420F3017 – JRC – SWSA / SITP

- End Date 7/30/2025

N0016420F3018 – SAIC – iPDM/D5LE2/MBSE

- End Date 9/22/2025
- Planned Award Date: 7/1/2025

NSWC Crane is an Established Center of Excellence for Strategic System Engineering Integration, Digital Engineering, and Security Engineering

Connect to Mission

Networking Break



Connect to Mission

Specialized Topics

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Global Department Connect to Mission

Presented by: Dr. Sarah Armstrong



CAPT Duncan McKay, USN
Commanding Officer

Dr. Angela Lewis, SES
Technical Director



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JHTO Systems Engineering Field Activity at NSWC Crane

Science and Technology

- DoD Hypersonics S&T Roadmap
- Hypersonics Community Coordination
- University, Industry, and Government S&T Projects
 - Contracting Support, Crane BAA
- New system concepts and service coordination
 - HyperAMPD Prize Challenge

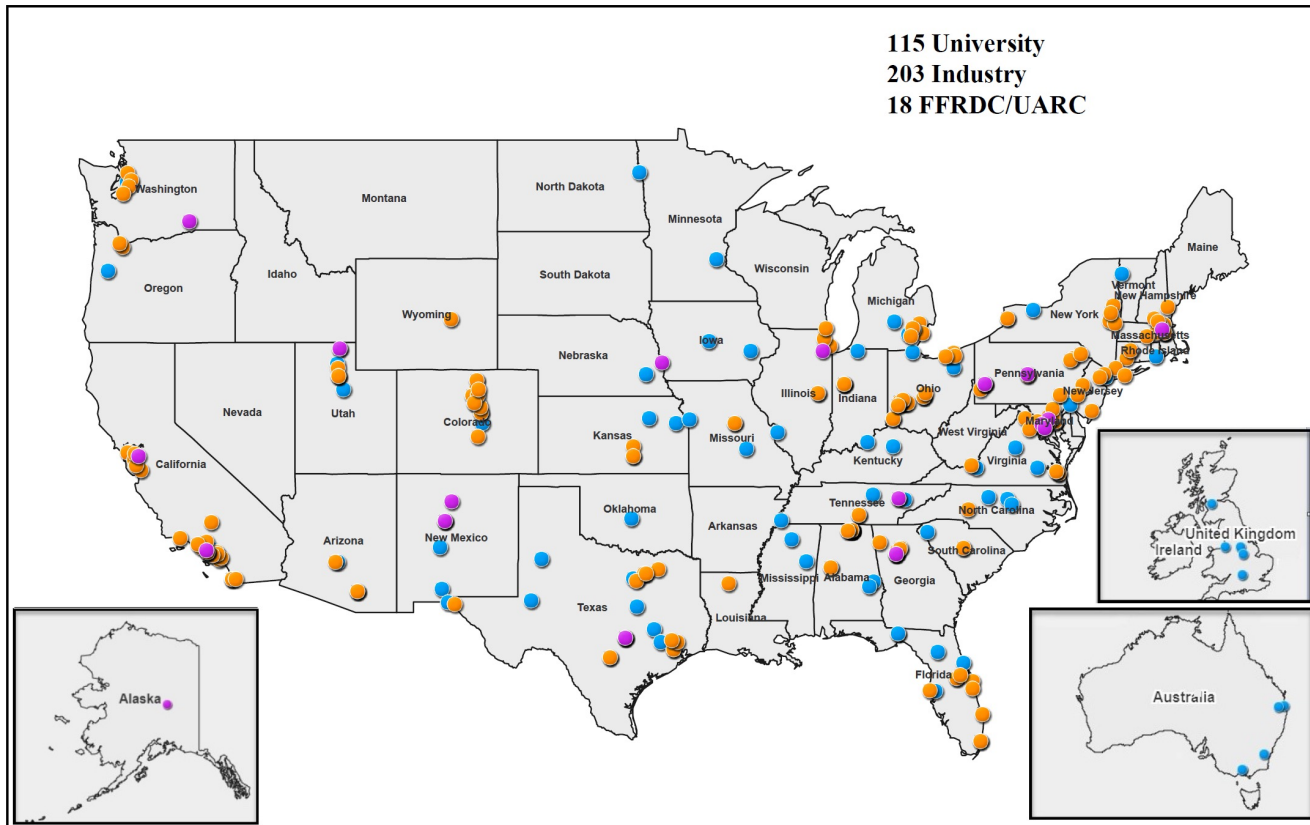
Workforce Development

- Internships and Research Opportunities with Universities and National Labs
- Community Colleges and Technical Schools
- Flight Test program partnerships (MACH-TB, NASA)
- Trainings and STEM Outreach

NSWC Crane is providing national leadership in hypersonics technology development and strategic coordination

UNIVERSITY CONSORTIUM FOR APPLIED HYPERSONICS

UCAH Membership



● UCAH Industry ● UCAH University ● UCAH National Lab/FFRDC/UARC

Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community 03/25/2024

- Membership
 - 115 Universities (11 foreign universities)
 - 203 Industry Partners
 - 18 FFRDCs and UARCs

- Approved Participants
 - Professional 1,966
 - Grad Students 399
 - UG Students 269

Distro A



DoD Microelectronics Commons

A National Network for Defense Microelectronics Innovation

Prepared by: **Dr. Tim Morgan, Commons Technical Director**
Mr. Bryan Smith, Commons Execution Advisor

Distro A





Microelectronics Commons Awardees



**MICROELECTRONICS
COMMONS**



The responses to the RFS represented the innovation of a combined membership network of 642 unique organizations

Applied Research Institute

*Silicon Crossroads
Microelectronics Commons
(SCMC) Hub*

Arizona Board of Regents on behalf of Arizona State University

*Southwest Advanced
Prototyping (SWAP) Hub*

The Board of Trustees of the Leland Stanford Junior University

*California-Pacific-Northwest
AI Hardware Hub (Northwest-
AI-Hub)*

Massachusetts Technology Collaborative

*Northeast Microelectronics
Coalition (NEMC) Hub*

Midwest Microelectronics Consortium

*Midwest Microelectronics
(MMEC) Hub*

North Carolina State University

*Commercial Leap Ahead
for Wide-bandgap
Semiconductors (CLAWS)*

The Research Foundation for SUNY, acting on behalf of SUNY Polytechnic Institute

*Northeast Regional Defense
Technology Hub (NORDTECH)*

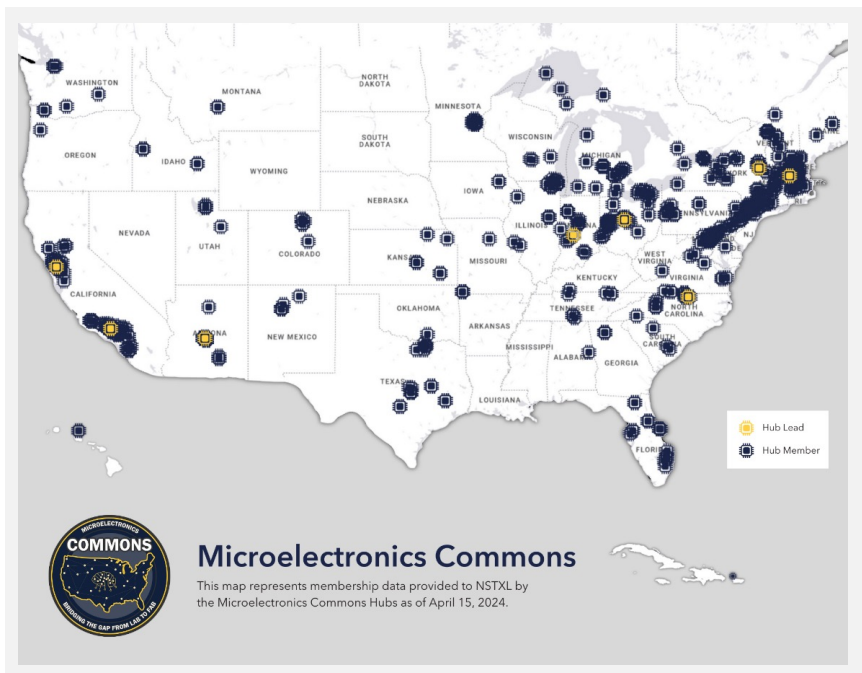
University of Southern California

*California Defense Ready
Electronics and Microdevices
Superhub (California DREAMS)*



Microelectronics Commons by the Numbers

8 Hub Leads



~\$240M
Funding to Hubs

Member Location
35 States
+ District of Columbia and Puerto Rico

642+
Hub Members

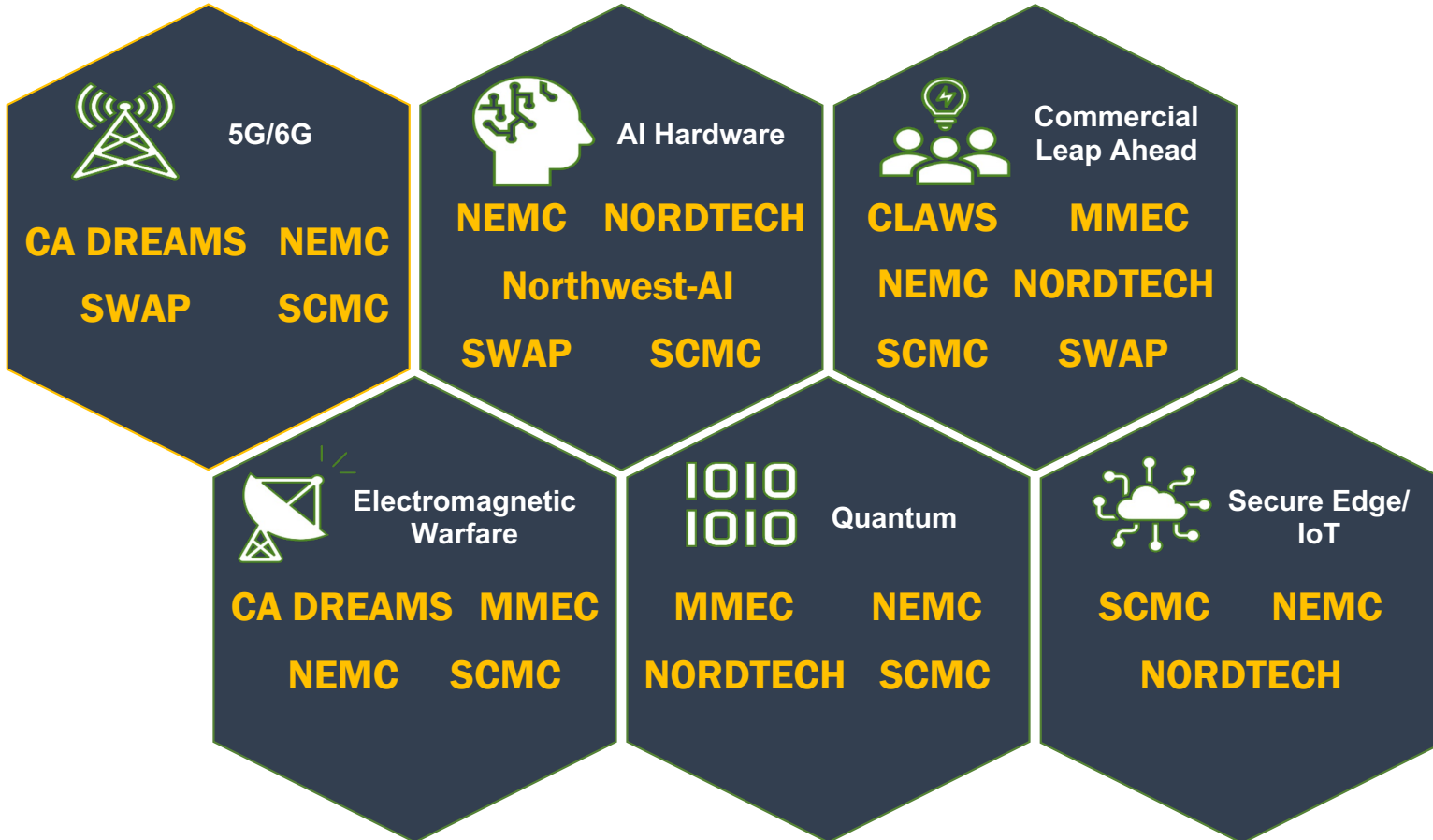
381
Unique Members

215+
Members Located Outside of Their Hub Lead's State

100+
Colleges & Universities

Initial* List of Technical Areas of Interest by Hub

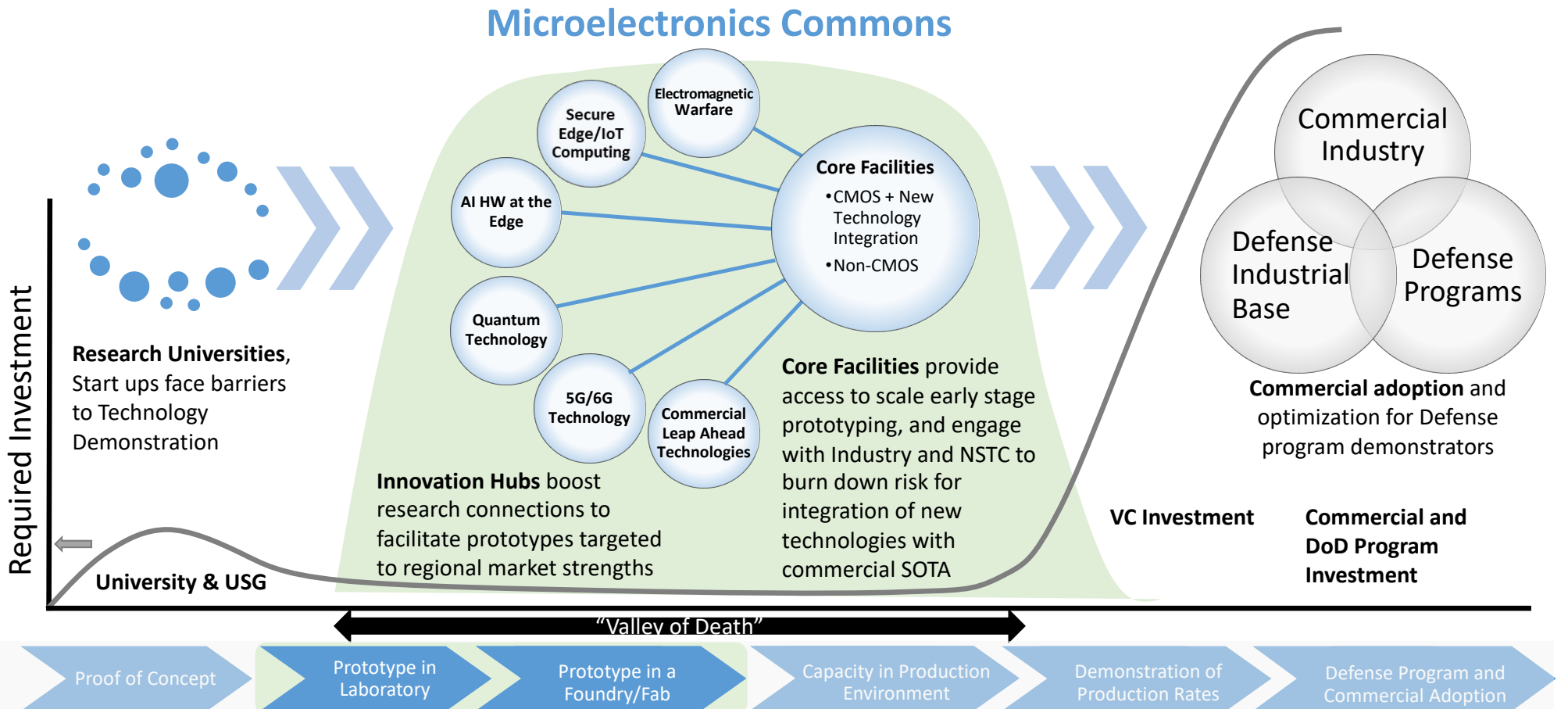
*A Hub can participate in any technical area of interest



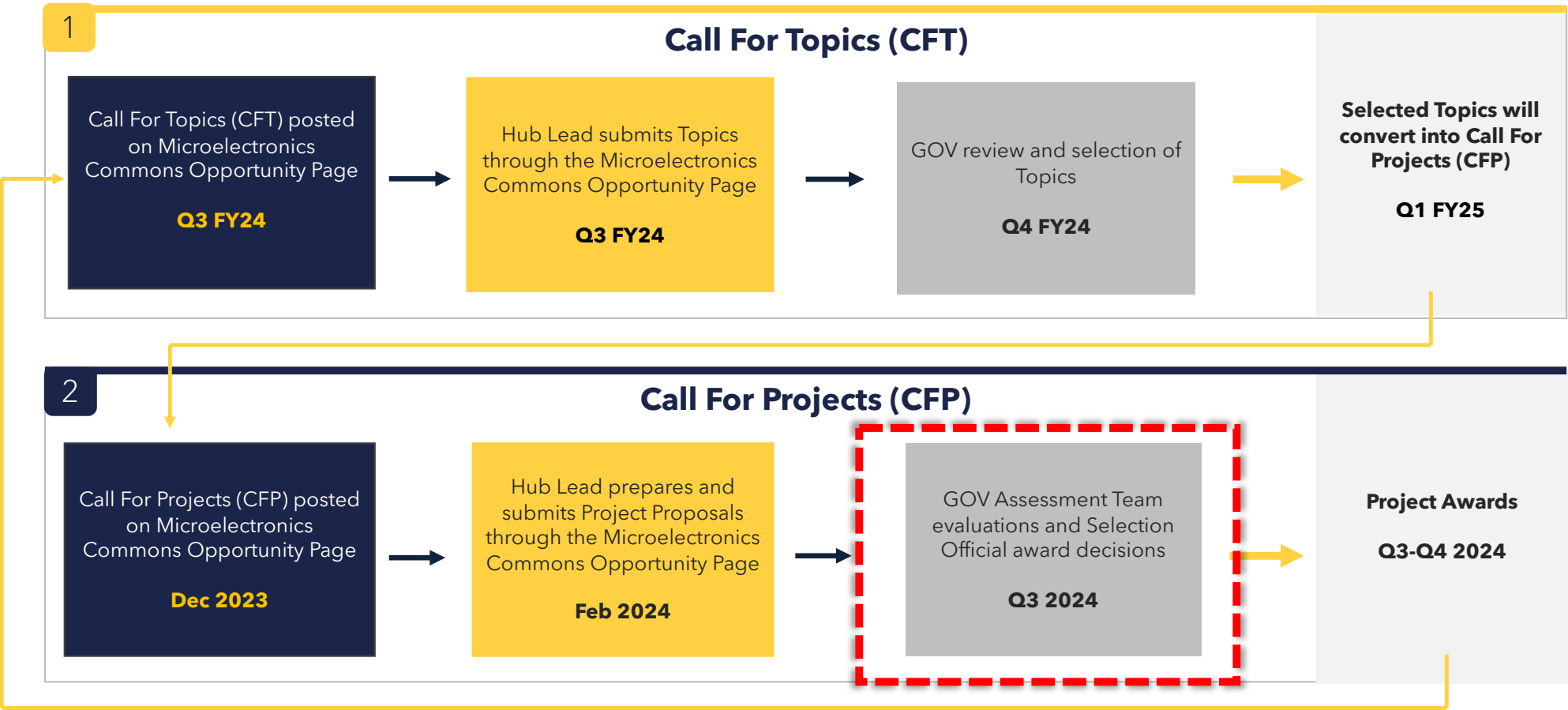
Per the RFS:
“In FY 2023-FY 2027, after Hub selection, individual Hubs will compete with all Hubs for project awards.”



Microelectronics Commons Addresses the Valley of Death



FY24-FY25 Timeline



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Global Department Connect to Mission

Presented by: Dr. Timothy Morgan



CAPT Duncan McKay, USN
Commanding Officer

Dr. Angela Lewis, SES
Technical Director



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TRUSTED MICROELECTRONICS

- **Potential OTA Efforts for OSD T&AM (FYDP = FY25-FY29)**
 - **State-of-the-Art Heterogeneous Integrated Packaging (SHIP) Stimulating Transition for Advanced Microelectronics Packaging (STAMP) and Strategic Transition of microElectronics to Accelerate Modernization by Prototyping and Innovating in the Packaging Ecosystem (STEAM PIPE): New prototypes, and transition demonstrators, S2MARTS OTA, FYDP value: up to \$250M**



TRUSTED MICROELECTRONICS

- **Microelectronics Commons**
 - **S2MARTS OTA Actions (currently the only funded vehicle by Commons) in FY24/FY25.**
 - **Hub Awards scheduled for August timeframe and will be driving what prototype projects will be pursued.**
 - **Commons will be executing prototype projects that align to the 6 technical areas of Commons**
 - **Electromagnetic Warfare**
 - **Commercial Leap Ahead Technologies**
 - **Secure Edge/IoT Compute**
 - **Artificial Intelligence Hardware**
 - **Quantum Technology**
 - **5G/6G Technology**
 - **Those who wish to participate in Commons and provide solutions to projects will need to be a member of one of the Hubs.**
 - **All Commons prototype projects will be executed through the Hubs (which aren't awarded till August timeframe).**
 - **Funding: \$320M/annually in FY24-FY27.**



Innovation Capability and Modernization (ICAM) Office System Engineering Field Activity (SEFA)



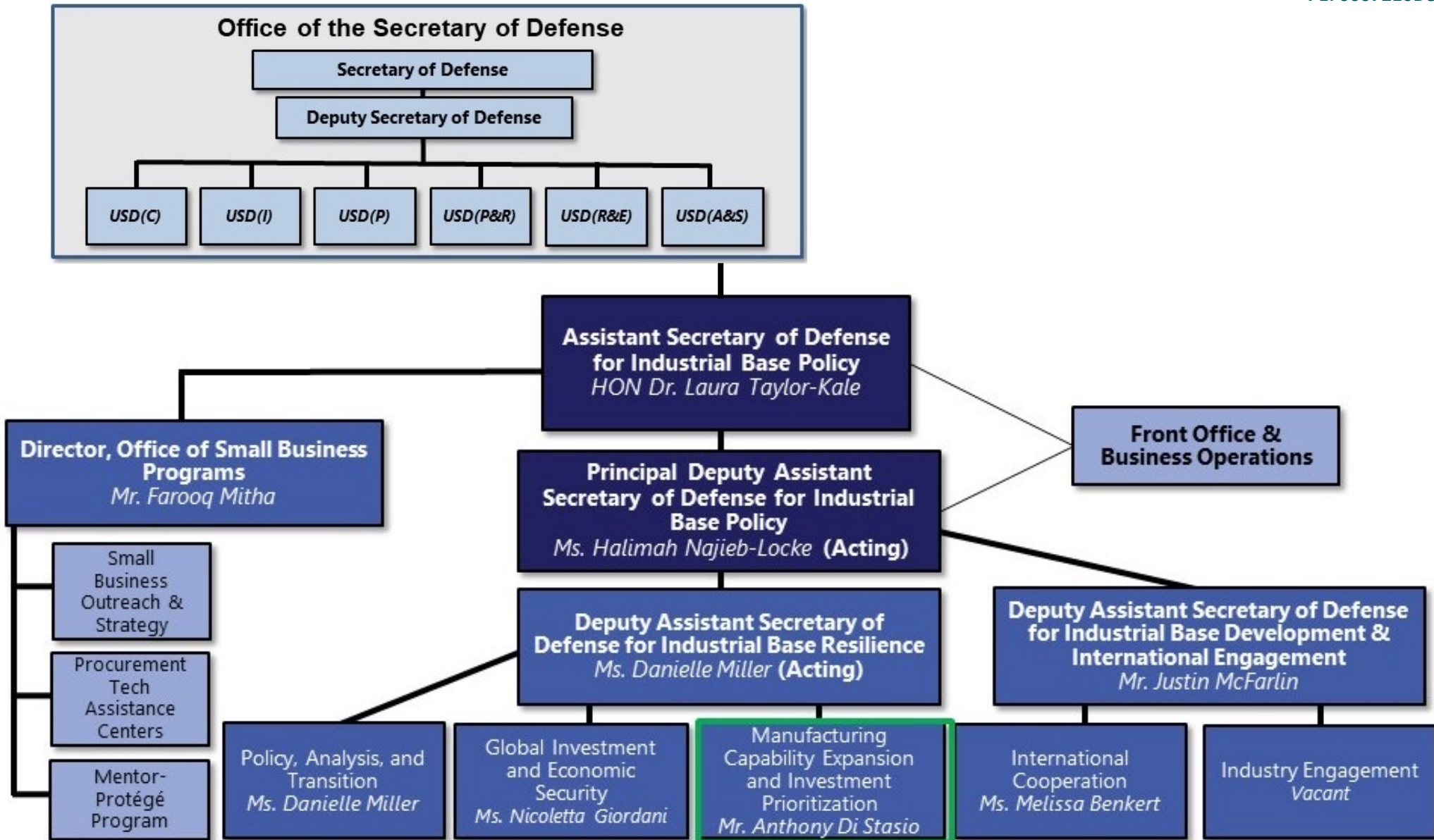
Global Department Connect to Mission



Presented by: Greg Fedrick, ICAM SEFA PM
4 June 2024

Industrial Base Policy Organizational Structure

PE: 0607210D8Z





IBAS Program Quick-Look

PE: 0607210D8Z

Building the “Next Generation of the Arsenal of Democracy” through execution of the Industrial Base Analysis and Sustainment (IBAS) Program

Mission: Strengthen the competitive posture of the U.S. Defense Industrial Base (DIB) in the era of great powers and global competition

Vision: A modern industrial base that fortifies traditional DIB capabilities and forges emerging sectors to respond at will to national security requirements

Priorities:

- **Prepare the defense industrial workforce** – Promote, elevate, and accelerate industrial talent pipelines
- **Ready the modern DIB** – Advance and sustain traditional defense manufacturing sectors
- **Prepare for the future** – Identify, attract, and cultivate emerging defense sectors
- **Assess and shape the risk** – Mitigate supply chain vulnerabilities within the global DIB
- **Build and strengthen partnerships** – across the global DIB

Statutorily Based

10 U.S. Code § 4817. Industrial Base Fund – IBAS Authorities

1. to support the monitoring and assessment of the industrial base
2. to address critical issues in the industrial base relating to urgent operational needs;
3. to support efforts to expand the industrial base; and
4. to address supply chain vulnerabilities.



ICAM SEFA

Sectors and Projects



Microelectronics Sector Projects	Kinetic Capabilities Sector Projects
RESHAPE	Solid Rocket Motor (SRM)
Silicon (Si) Interposers	Affordable Thermal Protection System (TPS)
Enterprise Parts Mgmt System (EPMS)	Testing and Integration
Ruggedized Transceivers	Laboratory Capacity Upgrades
EX-BAR Radar Program	Non-Phenolic Carbon/Carbon for Hypersonics
Printed Circuit Board (PCB) and Substrates	Actuation Ramp Up
Design to Transition Accelerator (D2TA)	Hypersonics Affordable Capacity
5G Research and Development, Test and Evaluation and Radar Interference Analysis	MST Compact Range



ICAM SEFA



Upcoming Acquisitions

Design to Transition Accelerator (D2TA)

- Cornerstone Other Transaction Agreement (COTA)
- Implement secure Authorized-To-Operate (ATO) Microelectronics development infrastructure for use by programs of record and their associated industrial base partners

Federated Kinetic Capabilities

- Cornerstone Other Transaction Agreement (COTA)
- Multi-element effort to address affordable capacity of kinetic capabilities within the Defense Industrial Base.



Questions/Comments



Distribution Statement A: Approved for Public Release.



BACKUP SLIDES



Innovation Capability and Modernization (ICAM) Office System Engineering Field Activity (SEFA)



Microelectronics Sector Projects

RESHAPE	Reshore Ecosystem for Secure Heterogeneous Advanced Packaged Electronics
Silicon (Si) Interposers	Establish a secure, qualified domestic production capability for Si interposer technology and Advanced 3-D Package Assembly to be leveraged in major DoD development programs for low-volume, high-mix demand to accommodate all DoD applications
Enterprise Parts Mgmt System (EPMS)	Provide a mechanism to standardize, ingest and visualize microelectronics data in aggregate across DoD
Ruggedized Transceivers	Create a robust supply of high-speed fiber optic transceivers for the military and aerospace marketplace
EX-BAR Radar Program	Development of a lightweight air-cooled X-Band Radar system that enhances the defensive capability against the threat of low flying cruise missiles
Printed Circuit Board (PCB) and Substrates	Onshore the capability for trusted and reliable PCB & interconnect manufacturing technologies to support critical DoD microelectronics systems
Design to Transition Accelerator (D2TA)	Implement secure Authorized-To-Operate (ATO) ME development infrastructure for use by programs of record and their associated industrial base partners



Innovation Capability and Modernization (ICAM) Office System Engineering Field Activity (SEFA)



Kinetic Capabilities Sector Projects

Solid Rocket Motor (SRM)	Second source for Conventional Prompt Strike (CPS) / Long Range Hypersonic Weapon (LRHW)
Affordable Thermal Protection System (TPS)	National Lab and Industry joint effort
Testing and Integration	Acceleration testing on-site to improve build rate, security and cost
Laboratory Capacity Upgrades	Increase demand for high-temperature materials characterization from CPS and multiple other hypersonic programs
Non-Phenolic Carbon/Carbon for Hypersonics	Establish manufacturing methods using non-phenolic resins to provide lower cost and less lead time Carbon/Carbon hypersonic materials
Actuation Ramp Up	Increase Control Actuation Systems (CAS) production capacity in support of CPS / LRHW All Up Round (AUR) production
Hypersonics Affordable Capacity	Expansion of Tier II,III HS DIB

Connect to Mission

Specialized Topics

Connect to Mission

Networking Break



Connect to Mission

Acquisition Approach Panel

Ms. Lisa A. Good, *Chief of Contracting Office (facilitator)*



GOVERNMENT POINTS OF ENTRY (GPE)

- **LRAE** <https://www.navsea.navy.mil/Business-Partnerships/LRAE/>
- **SAM.gov** <https://sam.gov/content/home>
- **PIEE Solicitation Module**
<https://cac.piee.eb.mil/xhtml/unauth/home/login.xhtml>
- **SeaPort**
<https://govnxg.seaport.navy.mil/Authentication/CacLogin?ReturnUrl=%2f1%2fAuthentication%2fCacLogi>
- **NSXTL S²MARTS OTA Requirements** <https://nstxl.org/nstxl-opportunities/>
- **ATI EMC² OTA Requirements**
<https://www.emccrane.org/solicitations/>
- **DLA** <https://www.dla.mil/Small-Business/>

LONG RANGE ACQUISITION FORECAST (LRAE)



Home : Business Partnerships : LRAE

NAVSEA ENTERPRISE LRAE ←

DEPUTY PROGRAM MANAGER LIST

NAVSEA SMALL BUSINESS PROFESSIONALS ORGANIZATIONAL CHART

NAVSEA LONG RANGE ACQUISITION ESTIMATE

NAVSEA's Long Range Acquisition Estimate (LRAE) is now available. This estimate creates a demand signal of anticipated business needs and makes early planning possible to a wide range of current and potential industry partners. It also contributes to better support of NAVSEA's requirements and fosters increased competition which benefits both NAVSEA and new business partners.

D	E	F	G	H
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ange acquisition estimates, and any data terminations will be made by the tion is synopsised through the Government rovided in these estimates will be published

This column can be filtered down to a particular DODAAC. NSWC Crane is N0016



Anticipated Total Value (Including Options)	Anticipated Procurement Method	Anticipated Contract Type	Anticipated Procurement Instrument	Contracting Office UIC	Anticipated Start Date
> \$7.5M - < \$50M	Sole-Source	Cost-Reimbursement	"C" Type Contract	N00024: NAVSEA HQ	
> \$250M - < \$1B	Sole-Source	Cost-Reimbursement	"C" Type Contract	N00024: NAVSEA HQ	
> \$50M - < \$100M	Sole-Source	Cost-Reimbursement	"C" Type Contract	N00024: NAVSEA HQ	
> \$1B	Sole-Source	Cost-Reimbursement	"C" Type Contract	N00024: NAVSEA HQ	
> \$1B	Sole-Source	Cost-Reimbursement	"C" Type Contract	N00024: NAVSEA HQ	
> \$1B	Sole-Source	Cost-Reimbursement	"C" Type Contract	N00024: NAVSEA HQ	
> \$250M - < \$1B	Sole-Source	Cost-Reimbursement	"C" Type Contract	N00024: NAVSEA HQ	
> \$100M - < \$250M	Sole-Source	Cost-Reimbursement	"C" Type Contract	N00024: NAVSEA HQ	
> \$250M - < \$1B	Sole-Source	Cost-Reimbursement	"C" Type Contract	N00024: NAVSEA HQ	
> \$7.5M - < \$50M	Small Business Set-Aside	Fixed-Price	"C" Type Contract	N00024: NAVSEA HQ	
> \$50M - < \$100M	Small Business Set-Aside	Fixed-Price	Multiple-Award Indefinite-Delivery, Indefinite Quantity	N00024: NAVSEA HQ	

SAM.GOV



 **Official U.S. Government Website**
100% Free

The Official U.S. Government System for:

Contract Opportunities

Contract Data

(Reports ONLY from fpds.gov)

Wage Determinations

Federal Hierarchy

Departments and Subtiers

Assistance Listings

Entity Information

Entities, Disaster Response Registry,
Exclusions, and Responsibility/
Qualification (was fapiis.gov)

Entity Reporting

SCR and Bio-Preferred Reporting

Are you searching for Federal Acquisition Supply
Chain Security Act (FASCSA) orders?

[View FASCSA Orders](#)

Register Your Entity or Get a Unique Entity ID

Register your entity or get a Unique Entity ID to get
started doing business with the federal government.

[Get Started](#)

[Renew Entity](#)

 [Check Entity Status](#)

Enter keywords in the search bar and use filters to get search results.

Search

Select Domain
All Domains

Filter By

Keyword Search
For more information on how to use our keyword search, visit our [help guide](#)

Any Words
 All Words
 Exact Phrase

Select Criteria
Choose your filters and run your report to begin.

Search All Words e.g. 1606N020Q02

Search Results

Saved Searches

Actions

Select Domain
All Domains

Filter By

Keyword Search

For more information on how to use our keyword search, visit our help guide

Simple Search

Search Editor

- Any Words
- All Words
- Exact Phrase

e.g. 1606N020Q02

"carts 0221"

Click the record you wish to look at

Showing 1 - 1 of 1 results

Storage Cart Assembly

Notice ID: N0016424RGW18

N0016424RGW18 - Storage Cart Assembly - 3990 - NAICS: 336419

Issue Date: 07 June 2024 - Closing Date: 08 July 2024

Department/Ind.Agency
DEPT OF DEFENSE

Subtier
DEPT OF THE NAVY

Office
NSWC CRANE

Sort by

Date Modified/Updated

Contract Opportunities

Current Response Date
July 08, 2024 at 04:00 PM EDT

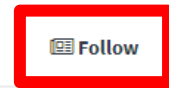
Notice Type
Original Presolicitation

Updated Date
May 22, 2024

Published Date
May 22, 2024

1 of 1 Results per page 25

If you desire to keep up on this action and get updates on the requirement, click Follow. Once completed, it will change to “Unfollow”. Go to your Workspace and select Followed Records from your Profile widget to view them.



Storage Cart Assembly

Contract Opportunity

- General Information
- Classification
- Description
- Attachments/Links
- Contact Information
- History

Award Notices

ACTIVE

Contract Opportunity

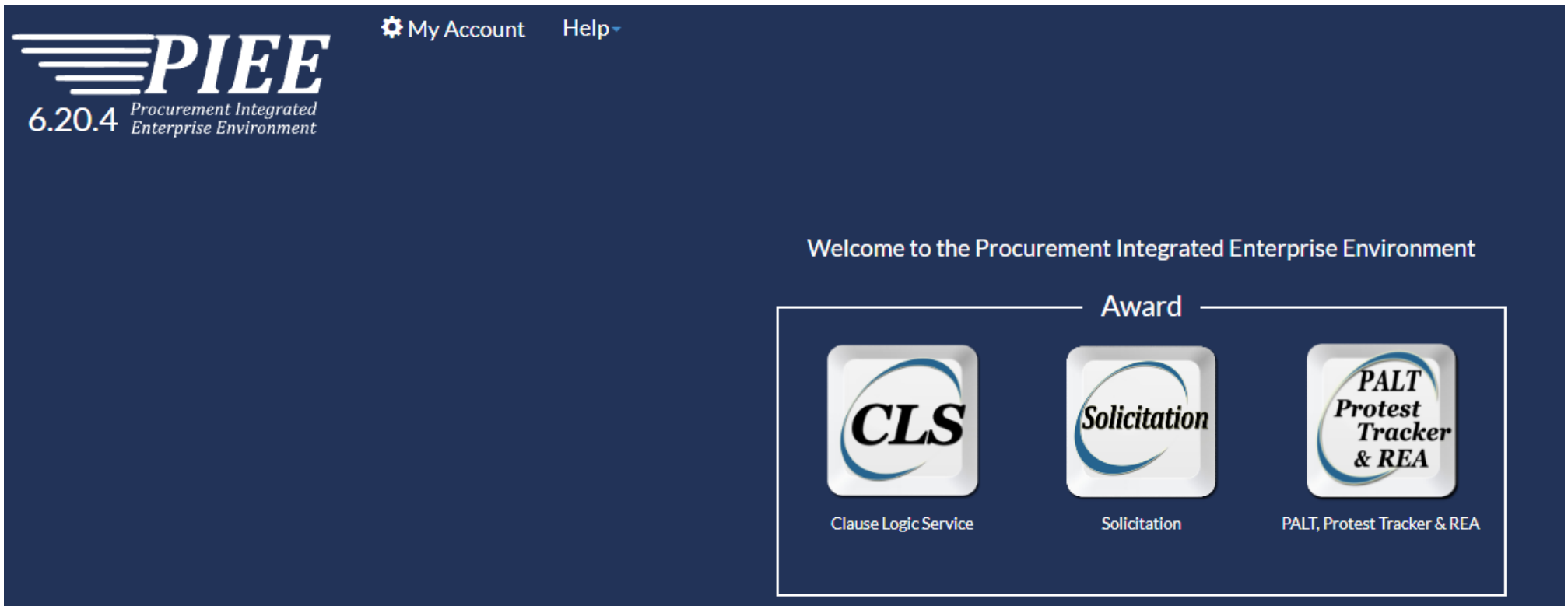
Notice ID
N0016424RGW18

Related Notice

Department/Ind. Agency
DEPT OF DEFENSE
Sub-tier
DEPT OF THE NAVY
Major Command
NAVSEA
Sub Command
NAVSEA WARFARE CENTER
Office
NSWC CRANE

PIEE Solicitation Module

The PIEE Solicitation Module is currently being tested by some NSWC Crane Code 02 Branches. In the future, there will be a mandatory shift to using PIEE Solicitation Module



PIEE
6.20.4 Procurement Integrated
Enterprise Environment

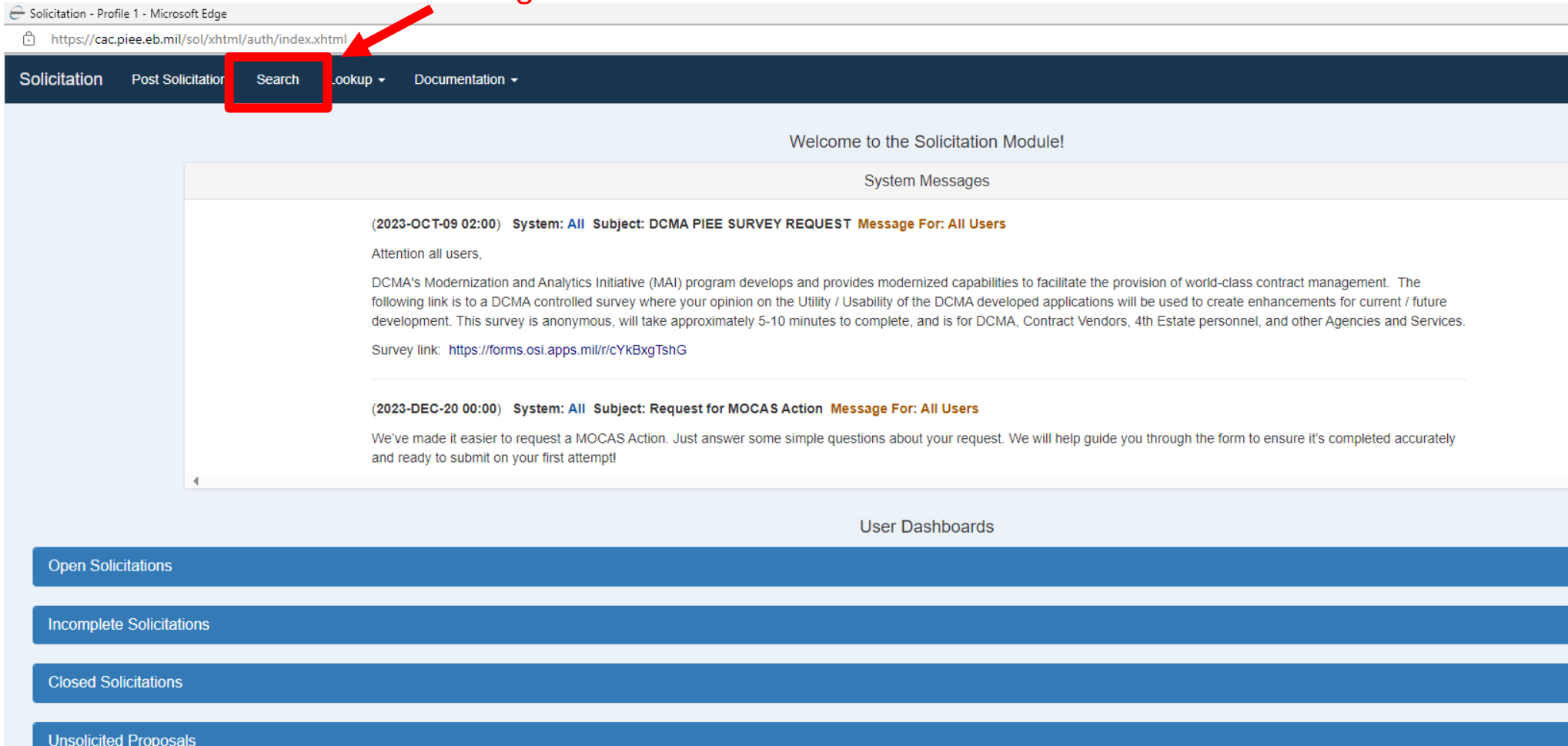
My Account Help

Welcome to the Procurement Integrated Enterprise Environment

Award

- CLS**
Clause Logic Service
- Solicitation**
- PALT
Protest
Tracker
& REA**
PALT, Protest Tracker & REA

Disregard the bottom features. Click Search



Solicitation - Profile 1 - Microsoft Edge
https://cac.piee.eb.mil/sol/xhtml/auth/index.xhtml

Solicitation Post Solicitation **Search** Lookup Documentation

Welcome to the Solicitation Module!

System Messages

(2023-OCT-09 02:00) System: All Subject: DCMA PIEE SURVEY REQUEST Message For: All Users
Attention all users,
DCMA's Modernization and Analytics Initiative (MAI) program develops and provides modernized capabilities to facilitate the provision of world-class contract management. The following link is to a DCMA controlled survey where your opinion on the Utility / Usability of the DCMA developed applications will be used to create enhancements for current / future development. This survey is anonymous, will take approximately 5-10 minutes to complete, and is for DCMA, Contract Vendors, 4th Estate personnel, and other Agencies and Services.
Survey link: <https://forms.osi.apps.mil/r/cYkBxgTshG>

(2023-DEC-20 00:00) System: All Subject: Request for MOCAS Action Message For: All Users
We've made it easier to request a MOCAS Action. Just answer some simple questions about your request. We will help guide you through the form to ensure it's completed accurately and ready to submit on your first attempt!

User Dashboards

- Open Solicitations
- Incomplete Solicitations
- Closed Solicitations
- Unsolicited Proposals

Enter the solicitation number and click Search (not visible on the screenshot) – see bottom of the webpage.

Solicitation Search Criteria

Solicitation Number	<input type="text" value="N0016424RWP09"/>		
Notice Type	<input type="text" value="--- Please Select ---"/>		
Open Date	Start:	<input type="text"/>	End: <input type="text"/>
Response Due Date	Start:	<input type="text"/>	End: <input type="text"/>
Subject	<input type="text" value="Starts With"/>	<input type="text"/>	
Description	<input type="text" value="Starts With"/>	<input type="text"/>	
Product or Service Code	<input type="text"/>		<input type="button" value="Lookup"/>



Click the solicitation number. You will receive a pop-up with information on the solicitation including, Response Date & Time, Solicitation Amendments, NAICS and PSC codes, solicitation attachments, etc.

The example solicitation had already closed so there are no screenshots of how to submit a proposal.

Search Result (1 documents)

Show entries Search:

Solicitation Number	Response Date	Notice Type	Subject	Description	Restricted	Status	Attempted to Post to SAM	Notice Posted to SAM	Posted Date	PSC	NAICS	Contracting Office Name
N0016424RWP09	2024/05/22 14:00 Eastern Daylight Time	Solicitation	Evaluation, Repair, Overhaul, and Technical Support of MK99, MK81, SPG62, and MK82	Naval Surface Warfare Center (NSWC) Crane has a requirement for the overhaul and repair for the MK99 Fire Control System (FCS), MK81 Director Group's SPG62 Antenna, and MK82 Gun and Guided Missile Director. MK99 FCS is the illuminator for the AEGIS W...	N	Closed	Y	Successful	2024/03/15 19:00 UTC	J020 - MAINT/REPAIR/REBUILD OF EQUIPMENT-SHIP AND MARINE EQUIPMENT	334511 - Search, Detection, Navigation, Guidance, Aeronautical, and Nautical System and Instrument Manufacturing	NSWC CRANE

Showing 1 to 1 of 1 entries Previous **1** Next

SeaPort NxG

***** CONTROLLED UNCLASSIFIED INFORMATION (CUI) *****

Document Library

Document Number <input type="text"/>	Requisition Number <input type="text"/>	Command <input type="text"/>	PCO <input type="text"/>
Mailbox <input type="text"/>	Package Status <input type="text"/>	Issuing Office <input type="text"/>	Contract Specialist <input type="text"/>
Workflow <input type="text"/>	Procurement Status <input type="text"/>	Company <input type="text"/>	COR <input type="text"/>
Effort Type <input type="text"/>	Set-Aside <input type="text"/>	Place of Performance/Delivery <input type="text"/>	

[Search](#) [Show All](#) [Clear Filters](#)

[Create Purchase Request](#)

Package Number	Package Status	Procurement Status	Issuing Office	Mailbox	Created Date	COR	PCO
No items to display							

The Opportunity Name will be the solicitation number. If you want to see all NSWC Crane requirements, filter the Issuing Office to N00164 and click Search

Opportunities

Opportunity Name <input type="text"/>	Short Description <input type="text"/>	Set-Aside <input type="text"/>	Contract Vehicle <input type="text"/>
Opportunity Type <input type="text"/>	Issuing Office <input type="text"/>	PSC Code <input type="text"/>	NAICS <input type="text"/>
Opportunity Status <input type="text" value="Open"/>	Place of Performance/Delivery <input type="text"/>		

[Create Opportunity](#)

Opportunity Name	Short Description	Issuing Office	Set-Aside	Opportunity Type	Opportunity Status	Q & A	Total Proposals	Start Date/Time	Closing Date/T
N0016424R30180001	Engineering and Technical support for Strategic and Theater Sealift Ships	NSWC, CRANE DIVISION (N00164)	SB Set-Aside	Solicitation	Open	9 / 9	0 / 0	05/31/2024 03:58 PM	06/28/2024 02:...
N0016424R3011	Non-personal Logistics and Program Support Services for Electro-Optic Systems. These services are in support of a variety of programs, projects, systems, subsystems, components, equipment supported by Crane Division, Naval Surface Warfare Center (NSWC Crane, Electro-Optic Technology Division (EOTD)).	NSWC, CRANE DIVISION (N00164)	SB Set-Aside	Solicitation	Open	13 / 11	0 / 0	05/30/2024 03:55 PM	07/01/2024 04:...
N0016424R30100001	Engineering services in support of NSWC Crane Electro-Optic Technology Division (EOTD).	NSWC, CRANE DIVISION (N00164)	No	Solicitation	Open	27 / 26	0 / 0	05/23/2024 04:12 PM	07/03/2024 02:...
DO NOT contact the creator of this									



Within this page you should be able to submit a proposal.
It will look slightly different on the vendor side.

Solicitation - N0016424R30180001

[« Return to Package Home](#)

Section A	Section B	Section J	Text Sections ▼	Opportunity ▼	
-----------	-----------	-----------	-----------------	---------------	--

Opportunity Details - N0016424R30180001

Start Date/Time 05/31/2024 03:58 PM	Opportunity Type Solicitation	Opportunity Status Open	Issuing Office NSWC, CRANE DIVISION (N00164)
Closing Date/Time 06/28/2024 02:00 PM	Instrument Type Request for Proposals (R)	Created By Langell, Tisha	PSC Code (R425) SUPPORT- PROFESSIONAL: ENGINEERING/TECHNICAL
Time Left 25 days 1 hours 12 minutes	Contract Vehicle SeaPort-NxG	Q & A 0/0	Place of Performance/Delivery Indiana
NAICS 541330 - Engineering Services	Is DD254 Required? Yes		

Short Description

Engineering and Technical support for Strategic and Theater Sealift Ships

Attachments

File Name	Description	Date Uploaded
No attachments found		

S²MARTS Requirements Through NSTXL

← ↻ 🏠 🔒 https://nstxl.org

Your Next Opportunity Awaits

Regardless of your DoD experience,
your technology can help advance
national security and support
critical DoD projects.

LEARN MORE

NSTXL has information on all opportunities dating back to 2019. You can search for a specific opportunity. Any one can view high level information, but you must be a member to propose.

Search Opportunities

All Microelectronics Commons 2024 S2MARTS S2MARTS Research RFI/RNI - Current Current Under Evaluation Awarded
 RFI/RNI - Archived 2023 2022 2021 2020 2019 Canceled



Output Travelling Wave Tube High Voltage Power Supply Group (OTWT_HVPS)

Naval Surface Warfare Center (NSWC) Crane is seeking prototype solutions to increase the operational reliability of an Radio Frequency (RF) Output Travelling Wave Tube (OTWT) High Voltage Power Supply Group (HVPS), while also seeking to enhance the repairability, maintainability, and affordability of the asset.

[LEARN MORE](#)



RNI - POWER DIVIDERS

This S2MARTS announcement, through the NSTXL Innovation Network, is intended to survey U.S. companies that have the capability and experience to provide prototype power dividers. The objective is to gather information from U.S. companies that are willing to develop prototype power dividers that meet the requirements of Source Control Drawing (SCD) 991416 (for parts 991416-1 & 991416-5), its classified addendum, and subject to the following testing: Acceptance, Qualification, Electromagnetic Interference (EMI), Reliability, and Environmental Stress Screening (ESS).

[LEARN MORE](#)



RNI - HIGH TEMP PERIPHERALS

This S2MARTS announcement, through the NSTXL Innovation Network, is intended to survey U.S. companies that produce capacitors, magnetics and other components that are peripheral in a range of circuits and applications that employ silicon carbide semiconductors. The objective is to gather information from U.S. companies that have developed, or are willing to develop, technical and manufacturing capabilities specific to such components that are rated >100C junction temperature (Tj) and plans for future development aimed at achieving > 200C, and in the longer term, 250C Tj for commercial and defense applications.

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EMC² Requirements Through ATI

Members Only Request Form | Members Only Login | Contact Us



EMC - Crane ▾

Membership ▾

Opportunities ▾

Events



Opportunities

Collaborate with industry and academia on prototype projects and basic, applied, or advanced research projects in support of Expeditionary Missions

[Browse Opportunities](#)

Join the EMC² to access business and research opportunities in support of Expeditionary Missions to address current and future security threats related to Expeditionary Missions

[Learn How to Join](#)

Solicitations

RFS/SON	Title	Status	Due Date
24-05/24-JXM-0041	DoD Specialty Battery Source of Supply Development	Open	6/17/2024
24-03/24-JXM-0045	Waste to Energy Solutions	RFS Closed	5/29/2024
24-06/24-JXR-0128	Uncrewed Systems (UXS) Experimentation and Demonstration Event	RFS Closed	5/20/2024
24-04/24-JXR-0082	Scalable, Multi-domain, Innovative Technology Experimentation (SMITE)	RFS Closed	4/24/2024
24-02/24-JXQ-0201	Experiment Coordination Human Machine Teaming (EXCOR HMT)	RFS Closed	4/1/2024
24-01/24-JXR-0063	Counter Uncrewed Systems (C-UXS)s Integration with Command and Control (C2)	RFS Closed	2/26/2024

Connect to Mission

Acquisition Approach Panel

Ms. Lisa A. Good, *Chief of Contracting Office (facilitator)*



Connect to Mission

Broad Agency Announcement

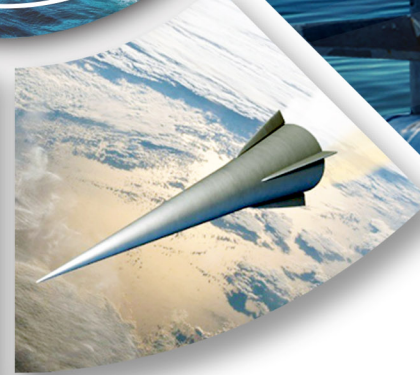
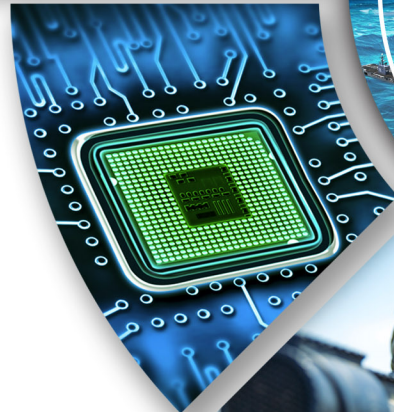
Mr. Patrick J. Shaffer (SSTM), *Distinguished Engineer, Hypersonics*

Ms. Danielle Peter, *Division Manager, Global Contracts*





UNCLASSIFIED
NAVAL SURFACE WARFARE CENTER
CRANE DIVISION



CAPT Rex A. Boonyobhas
COMMANDING OFFICER

Dr. Angela Lewis, SES
TECHNICAL DIRECTOR

NSWC Crane Broad Agency Announcement (BAA)

Presented By Patrick Shaffer, SSTM

June 4, 2024

- **Broad Agency Announcement (BAA) may be used by agencies to fulfill their requirements for *scientific study and experimentation* directed toward advancing the state-of-the-art or increasing knowledge or understanding rather than focusing on a specific system or hardware solution. (FAR Part 35.016)**
- **Awards can be made utilizing:**
 - **Basic research (budget activity 6.1)**
 - **Applied research (budget activity 6.2)**
 - **Advanced technology development (budget activity 6.3)**
 - **Advanced component development and prototypes (budget activity 6.4)**

General Information

- **Notice ID: N0016424SNB35**
- **Centrally managed in the T2 Office (Maria Duran)**
- **Posted: 2 February 2024**
 - **No expiration date as long as yearly amendments are executed**
- **Areas of applicability: all 10 of Crane's Technical Capabilities (TCs)**

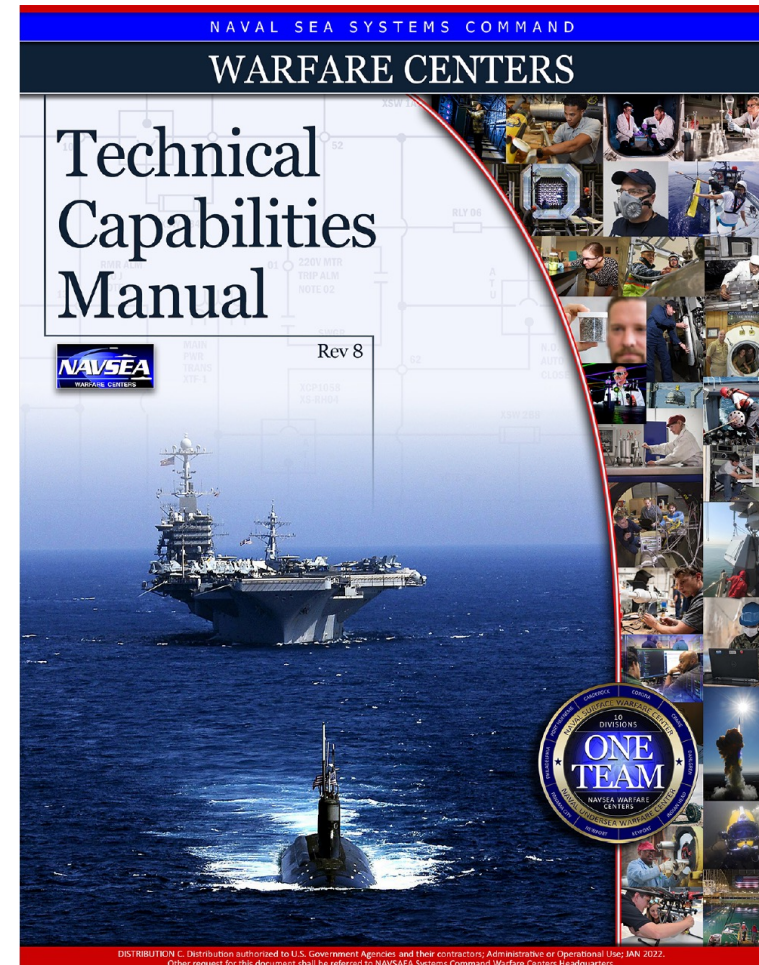
CRANE TECHNICAL CAPABILITIES

Crane Mission:

The mission of NSWC Crane is to provide research, development, test and evaluation, acquisition engineering, in-service engineering and technical support in its assigned technical capabilities for the United States Navy, Department of Defense components and agencies, and other federal agencies and components engaged in national security. NSWC Crane also works to apply component and system-level product and industrial engineering to surface sensors, strategic systems, special warfare devices and electronic warfare systems, as well as to execute other responsibilities as assigned by the Commander, Naval Surface Warfare Center.

Technical Capabilities:

“the intellectual and physical assets provided by technical personnel with knowledge, skill, experience and requisite facilities that yield the ability to deliver technical products.”



- **The Crane BAA is available to the following Technical Capabilities:**
 - **Electronic Warfare (EW)**
 - **Infrared and Pyrotechnic Countermeasures**
 - **Strategic Systems Hardware**
 - **Expeditionary Warfare and Systems**
 - **Advanced Electronics**
 - **Sensors and Surveillance Systems**
 - **Hypersonic Weapon Systems**
 - **Power and Energy Systems**
 - **Electro-optic and Infrared Technologies**
 - **Force level EW Mission Analysis, Advanced Concepts and Technologies**
- **Other agencies are authorized to utilize the BAA**

- **Vendors submit white papers or proposals to a general Inbox monitored through the Tech Transfer Office (00T)**
 - Usn.crane.nswc-cd-crane-in.mbx.NSWC-Crane-T2-BACA@us.navy.mil
- **White paper requirements: 1-5 pages**
- **Follow-on proposal (if requested) will be longer**
- **00T Point of Contact: Maria Duran**
- **Contracting Officer: Danielle Peter**

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- **White paper requirements: 1-5 pages**
- **Follow-on proposal (if requested) will be longer**
- **00T Point of Contact: Maria Duran**
- **Contracting Officer: Danielle Peter**

SUGGESTIONS / LESSONS LEARNED

- **Technical POCs (TPOCs) are not contracting officers and they will not comment or advise on any contracting timelines or contract vehicles.**
- **TPOCs access their technical networks to determine and assist in evaluating white papers; they may also know potential funding sources but that is not guaranteed.**
- **Engage the TPOCs ahead of whitepaper submission to get above the noise.**
- **TPOCs have multiple responsibilities – please be patient with them.**
- **Do your homework ahead of time and know what customers may be interested in your potential tech solution.**

- **Electronic Warfare** – Stacey Mervin and James Stewart
- **Infrared and Pyrotechnic Countermeasures** – Betsy Marshand
- **Strategic Systems HW** – Brian Sabo or Jeff Johann
- **Expeditionary Warfare and Systems** – Adam Parsley
- **Advanced Electronics** – Matt Kay
- **Sensors and Surveillance Systems** – John Schofield
- **Hypersonic Weapon Systems** – Patrick Shaffer
- **Power and Energy Systems** – Joseph Fontaine and Nova Carden
- **Electro-optic and Infrared Technologies** – Ben Conley
- **Force level EW Mission Analysis, Advanced Concepts and technologies** – Stacey Mervin

Connect to Mission

Broad Agency Announcement

Mr. Patrick J. Shaffer (SSTM), *Distinguished Engineer, Hypersonics*

Ms. Danielle Peter, *Division Manager, Global Contracts*



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& special thanks to today's sponsor



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CRDG in D.C.

CRDG Congressional Reception and Team Crane Congressional Breakfast



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Defense Group

CRANE REGIONAL
DEFENSE GROUP



Connect to Mission

THANK YOU

Please join us for Purdue Research Foundation's Tech Tuesday event!

Featuring: Applied Research Institute (ARI)

upstairs in their new lab space!

PURDUE@WESTGATE

ARI APPLIED RESEARCH INSTITUTE

BROOKE PYNE
EVP OF INNOVATION & STRATEGY

BRETT HAMILTON
SVP OF MICROELECTRONICS

MATT BURKETT
DIRECTOR OF INNOVATION PATHWAYS

COURTNEY BAKER
INNOVATION VOUCHER GRANT PROGRAM MANAGER

FIRST TUESDAY

ARI'S INNOVATION FRAMEWORK FOR NATIONAL SECURITY AND DEFENSE

TUESDAY, JUNE 4 | 4:00 - 6:00PM EST
WESTGATE ACADEMY



Connect to Mission

SAVE THE DATE

NEXT C2M: Tuesday, August 6

**Featuring: NSWC Crane's
Expeditionary Warfare Department**

