



WELCOME TO THE 2022 NAVAL  
SURFACE WARFARE CENTER  
PHILADELPHIA DIVISION  
(NSWCPCD) VIRTUAL INDUSTRY  
DAY



# Admin Items

- Questions may be submitted during the presentation via the “ask a question” option
  - Questions will be answered during the presentation if possible
    - Identify yourself, name of your company, and to who/which code the question is directed
  - All Q&A will be posted to the NSWCPD website following the event
- Feedback regarding the event, or any other contracting matter, can be provided to POCs in the Industry Day Announcement, any POCs herein, or any member of the Code 02 contracting group
- Attendees are only able to listen to the presentations and submit questions (there is no option to speak during the event for attendees)
- Please respond to the two poll questions at the below link. The link will also be posted in the Q&A panel
  - <https://www.menti.com/alxksk313jpe>



# Agenda

- |                    |   |
|--------------------|---|
| <b>1000 – 1020</b> | <b>NSWCPD's Command Welcome</b><br>Capt. Dana Simon, Commanding Officer, NSWCPD                     |
| <b>1020 – 1035</b> | <b>NSWCPD Acquisition</b><br>Dept. 02 Policy Division Head  |
| <b>1035 – 1105</b> | <b>BREAK</b>  |
| <b>1105 – 1115</b> | <b>Corporate Operations Department</b><br>Dept. 10  |
| <b>1115 – 1125</b> | <b>Machinery Program &amp; Platforms</b><br>Dept. 20  |
| <b>1125 – 1135</b> | <b>Machinery Research, Logistics and Ship Integrity</b><br>Dept. 30                                 |
| <b>1135 – 1145</b> | <b>Propulsion, Power and Auxiliary Machinery Systems</b><br>Dept. 40                                |
| <b>1145 – 1155</b> | <b>Cybersecure Machinery Control Systems and Networks</b><br>Dept. 50                               |
| <b>1155 – 1205</b> | <b>Small Business</b>   |
| <b>1205 – 1220</b> | <b>Other Transaction Authority</b><br>Other Transaction Program Manager<br>MSTIC Agreements Officer |
| <b>1220 – 1235</b> | <b>Liberty Tech Bridge</b><br>Director  |
| <b>1235 – 1250</b> | <b>Closing Remarks</b>  |

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# POCs

- Deputy for Small Business: 215-897-1348
- AMs:
  - 10: 215-897-1232 or 215-976-1097
  - 20: 215-897-8007
  - 30: 215-897-7975
  - 40: 215-897-8475
  - 50: 215-806-8096
- OTA: 215-897-7179
- Liberty Tech Bridge: 215-897-2805

# NSWCPCD Command Overview



Presented to:

**Industry Day**

Presented by:

**Capt. Dana Simon**

Naval Surface Warfare Center,

Philadelphia Division

November 16, 2022

## Mission

Provide research, development, test and evaluation, acquisition support, engineering, systems integration, in-service engineering and fleet support with Cybersecurity, comprehensive logistics, and life-cycle savings through commonality for surface and undersea vehicle machinery, ship systems, equipment and material.

## Vision

Shape the Navy's future by continuously expanding the Warfighter's advantage.

## Guiding Principals

HONOR

INTEGRITY

COMMITMENT

SERVICE

COMMUNICATION

## Fleet Support

Engineering Support  
Trips Completed

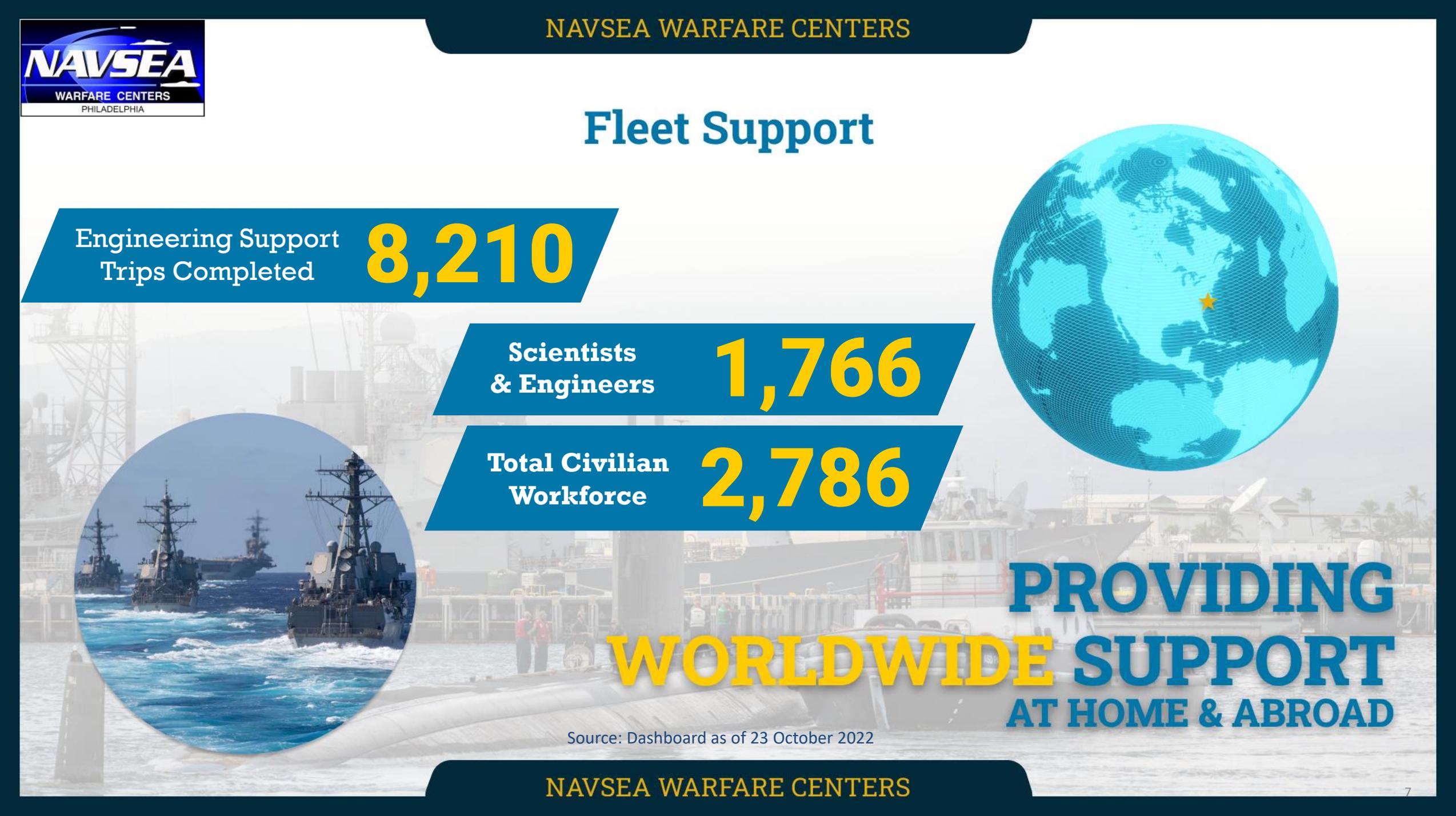
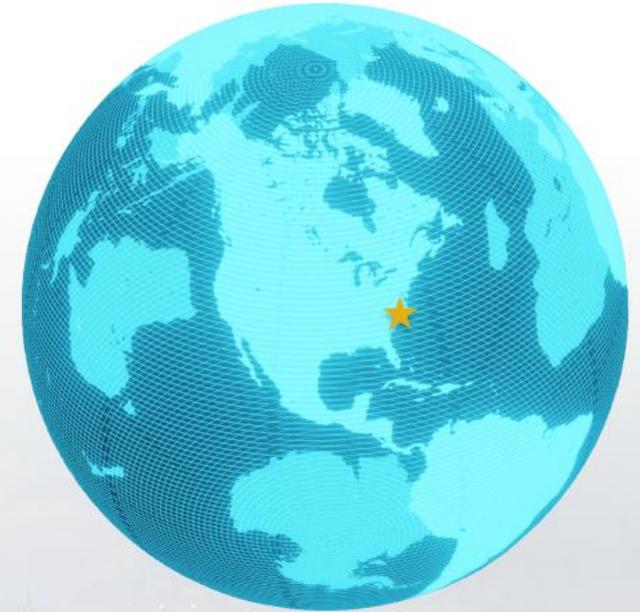
**8,210**

Scientists  
& Engineers

**1,766**

Total Civilian  
Workforce

**2,786**



**PROVIDING  
WORLDWIDE SUPPORT  
AT HOME & ABROAD**

Source: Dashboard as of 23 October 2022

# Full Spectrum Engineering



**Science & Technology**



**Research & Development**



**Test & Evaluation**



**Engineering**



**Fleet Support**

# NSWCPCD Organization



# NSWCPD Technology Areas

- 
- Life Support Systems
  - Steam Generation/Steam System Controls
  - Auxiliary Equipment and Fluid Systems
  - Diesel Engines Systems
  - Power Transmission Systems
  - Gas Turbine Systems
  - Electric Power Systems
  - Logistics Data
  - Condition Assessment Systems & Video Systems
  - Sensors Systems & Wireless Sensor Systems
  - Machinery Controls
  - Submarine Sail Systems HM&E
  - Submarine Antennas
  - HM&E Networks
  - Integrated Bridge Systems
  - Aircraft, Vehicle, Ship & Material Handling
  - Cargo/Weapons Handling & Stowage Systems
  - Launch Recovery and Hydraulic Systems
  - Hull Outfitting & Habitability
  - Climate Control & Compressed Air Systems
  - Machinery R&D Interface
  - Auxiliary Machinery Controls
  - Platforms/Programs Interface
  - Fasteners, Material Selection, NDE, Welding
  - Fuels & Lubricants, Non-nuclear Water Chemistry
  - Coatings & Corrosion Control
  - Structures & Composites
  - Liquid & Solid Waste
  - Shock
  - Chem/Bio/Nuclear Damage Control Systems

## NSWCPD Labs & Test Sites

- Auxiliary & Life Support Systems Complex
- Propulsion & Electrical Machinery Systems Complex
- Environmental & Damage Control Systems & Materials Technology Complex
- Machinery Network, Sensors & Data Systems Complex
- Cargo, Weapons Handling & Hull Systems Complex
- Undersea Vehicle Sail & Deployed Systems Complex



# Strategic Partnerships



**Pennsylvania Talent Pipeline Project:  
Philadelphia Region Workforce Pilot**



**Other Transaction Agreement (OTA) for New Maritime  
Sustainment Technology Innovation Consortium (MSTIC)**



**Liberty Tech Bridge**

# University Partners





# FY22 Industry Day

Presented to:

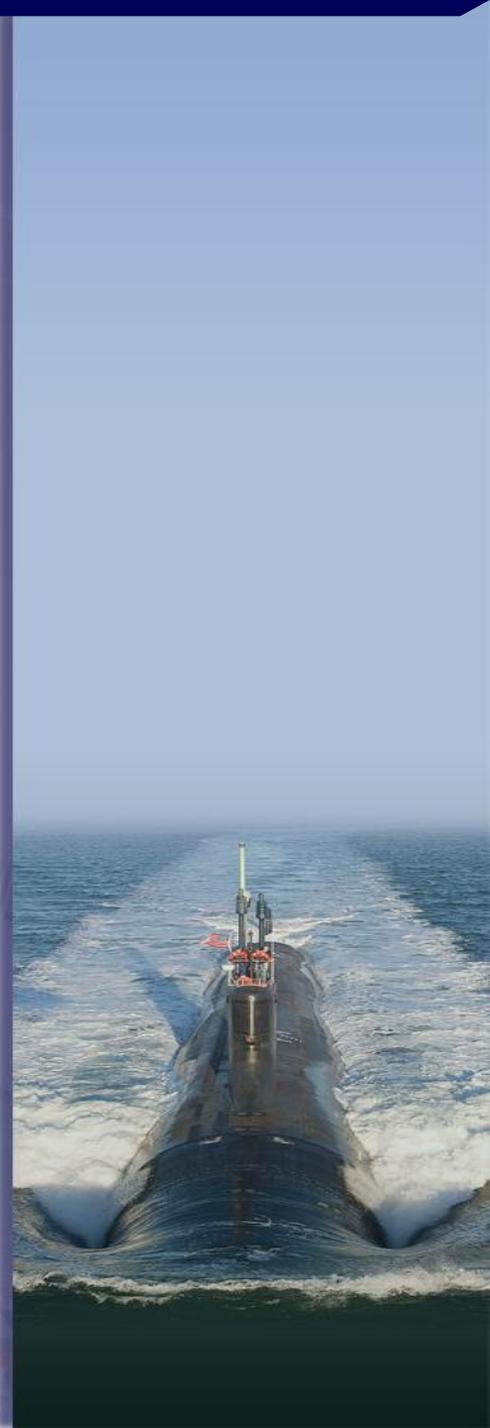
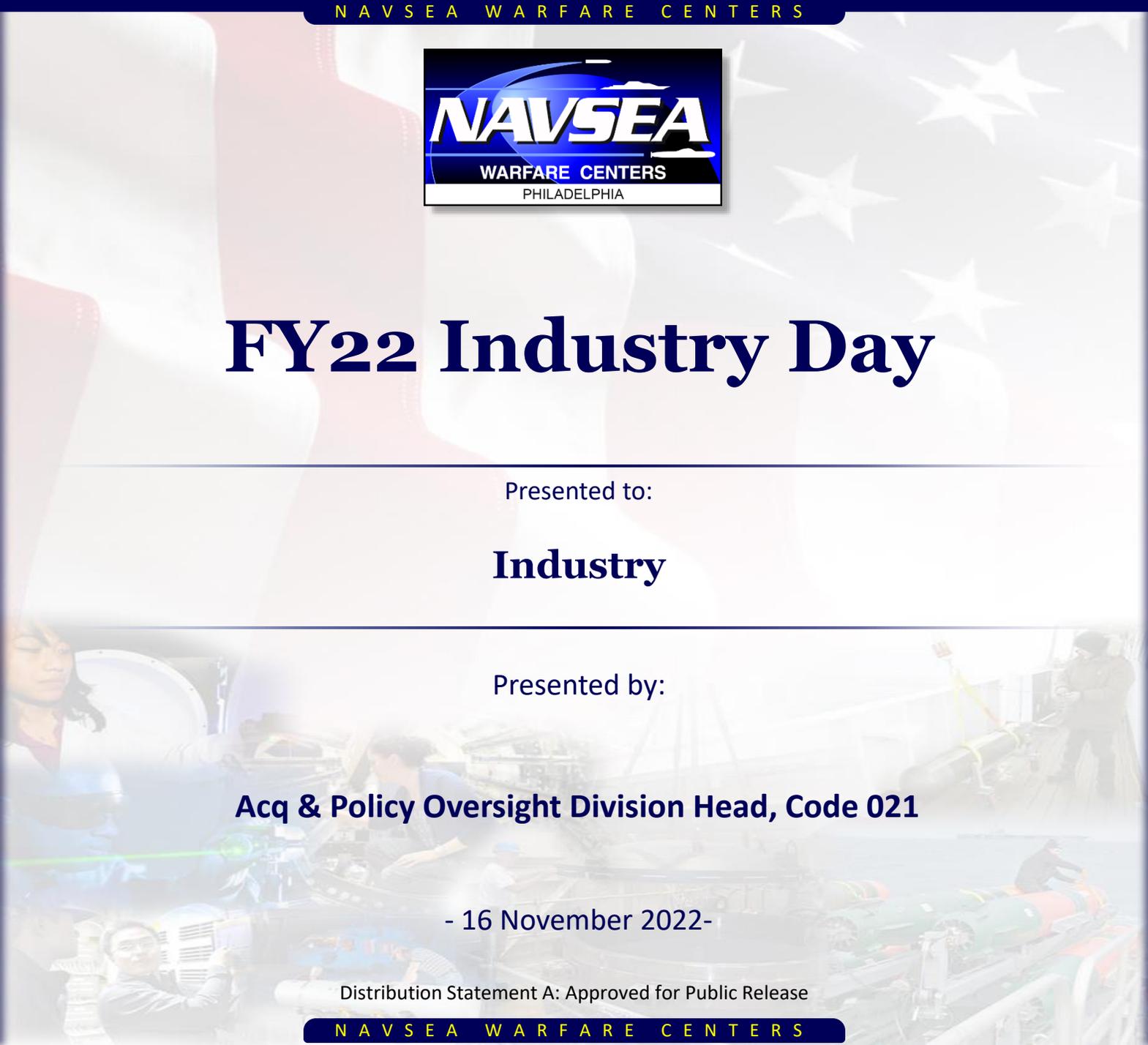
**Industry**

Presented by:

**Acq & Policy Oversight Division Head, Code 021**

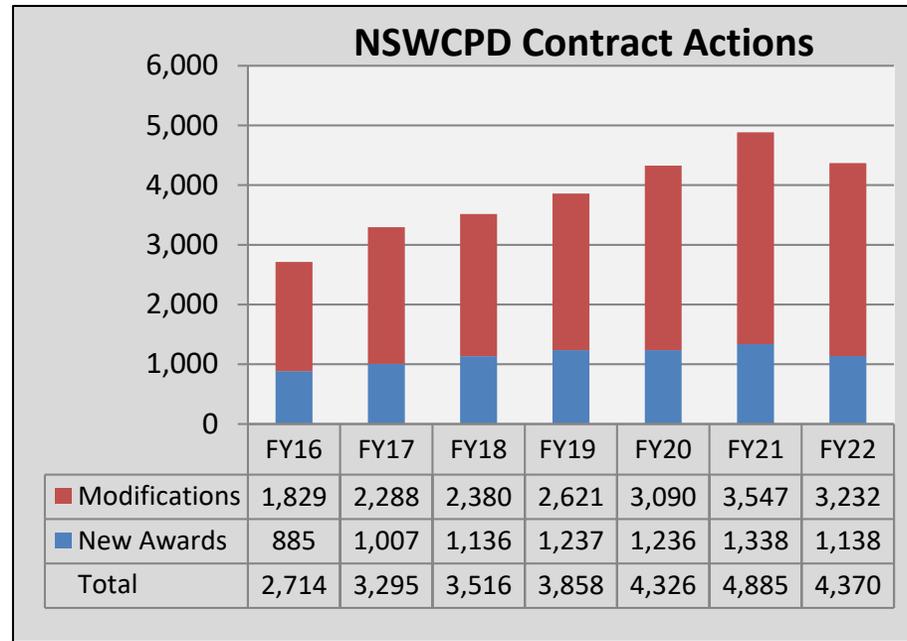
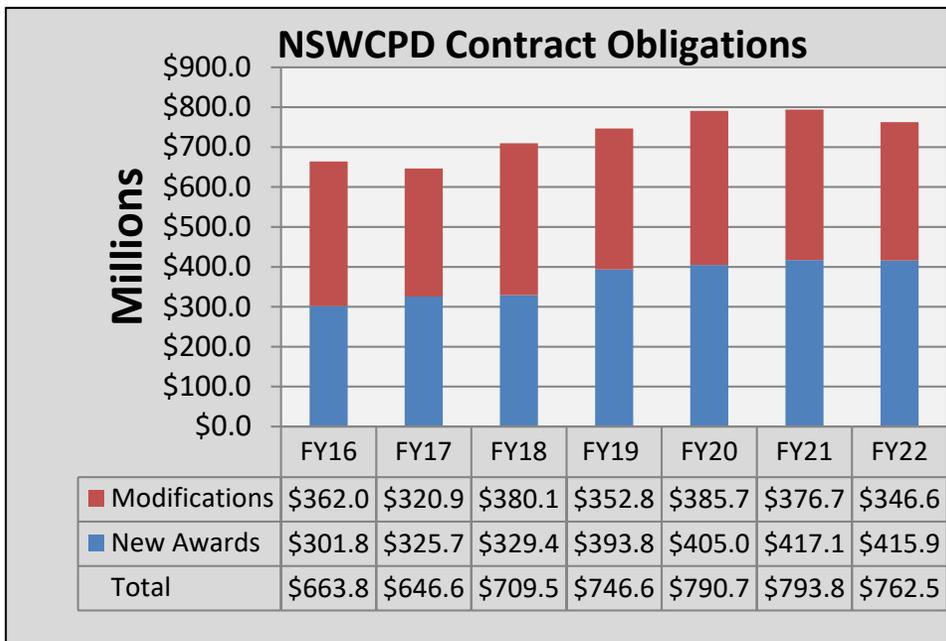
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# Contract Obligation Overview



**FY 22**  
**NSWCPD COMMAND TOTAL:**  
 \$1.34 Billion

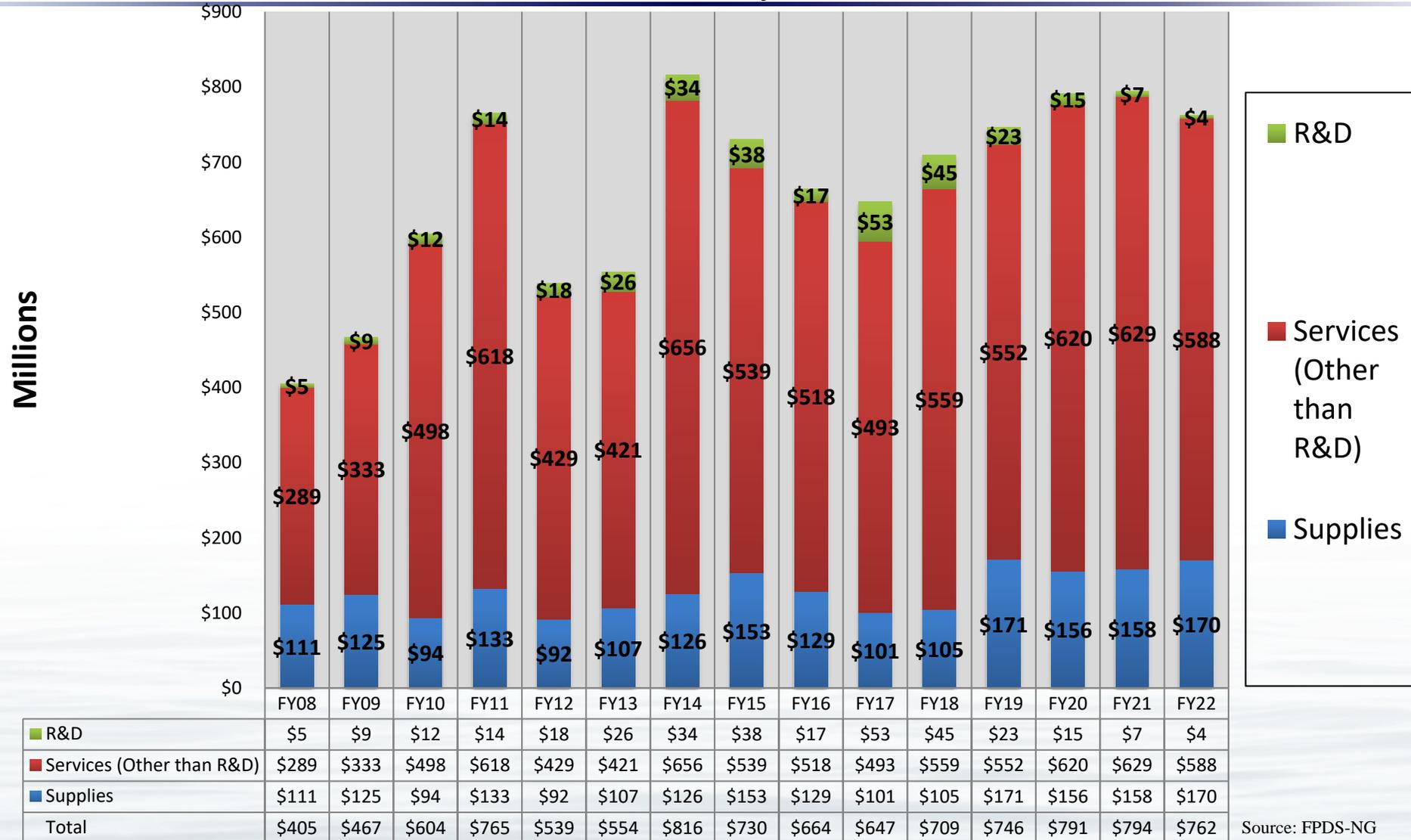
**CONTRACTS:**  
 \$762.5 (56.9% of Total Obligation Authority)

**FY23 OBLIGATION PROJECTION**  
 Contracts: \$780M

**ACTIVE CONTRACTS (approx)**  
 2,647(65% services)



# NSWCPD SITE R&D, OTHER ENGINEERING SERVICES, SUPPLIES



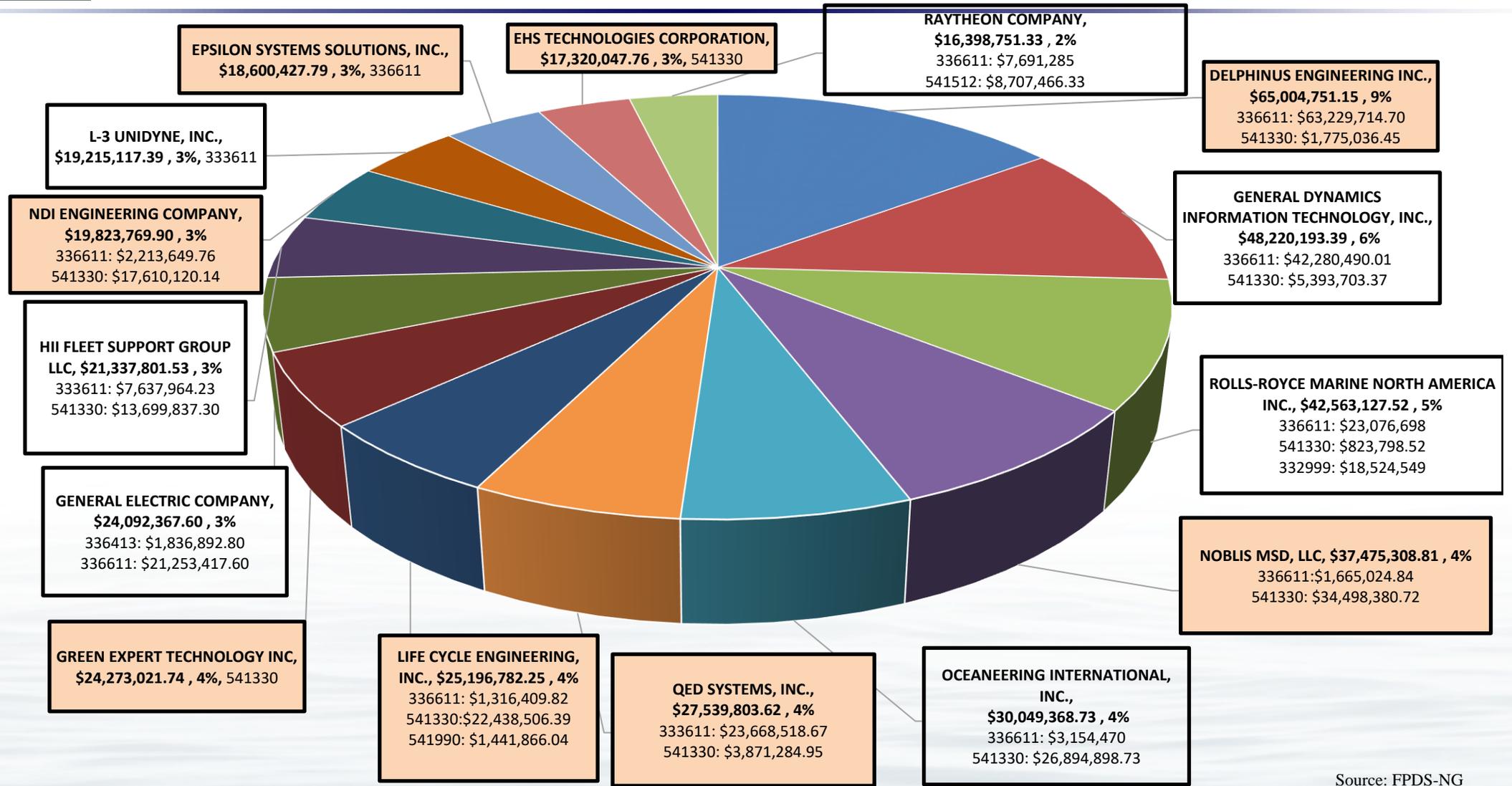
Source: FPDS-NG

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Controlled Unclassified Information (CUI)

# Top 15 Contractors - NSWCPD

Total NSWCPD FY22 Obligations - \$762.5M



\* Small Businesses (NAICS)

Source: FPDS-NG

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Controlled Unclassified Information (CUI)



# Looking for Opportunities?

## SAM.gov and Seaport

- Request for Information
  - Contracts reviews in conjunction with the small business office all responses to these announcements to help determine if a procurement can be potentially set-aside
- Advance Notices
- Synopsis (required for over \$25K)
- Solicitations
  - Large procurements: FAR 5.203- Open minimum of 30 days
  - Orders under MAC IDIQs: Best practice of 30 days unless exception
- Award notices
  - SeaPort award announcements not required – DFARS 205.303
- Industry Days for complex procurements when time permits
- Long Range Acquisition Forecast (LRAF) (<https://www.navsea.navy.mil/Business-Partnerships/LRAF/>)
  - Updated semi-annually
- Maritime Sustainment Technology Innovation Consortium (MSTIC) Other Transactions
- Liberty Tech Bridge



# Cost Type Contracts: Submission of Cost/Pricing Data

Offerors are required to submit a Cost/Price Volume for all priced CLINs and Cost/pricing information should only be present in the Cost Volume.

## COMPETITIVE REQUIREMENTS/SOLE SOURCE ACTIONS SUBJECT TO TINA

1. Delineation between Govt Site or Ctr Site
2. Overhead rates based on site locations
3. Uncompensated Overtime
4. Pass Through- indirect costs or profit/fee on work performed by a subcontractor
  - FFP Subcontracts- No fee on subcontractor
5. Fee - % of total cost or cost per hour; Not Authorized for Support Costs
6. Facilities Capital Cost of Money (FCCOM) – Fee not authorized
7. ODCS – sometimes an NTE amount set by Govt
  - Service Center Costs shall be billed on top of NTE and clearly identified

Cost Elements	Labor Category	Worksite	Total for All Years		
			Hours	Amount	Rate
<b>Prime Contractor Labor Cost</b>					
Prime Contractor Direct Labor					
Employee Name 1					
Employee Name 2					
Total Direct Labor Cost					
<b>Prime Contractor Indirect Labor Cost</b>					
Overhead					
Fringe Benefits					
G&A					
Total Indirect Labor Cost					
Total Direct and Indirect Labor cost					
COM					
Total Prime Contractor Labor Cost					
<b>Subcontractor Labor Cost</b>					
Subcontractor proposed cost and fee					
Subcontractor 1					
<b>Total Labor Cost (Prime and Subcontractor Labor)</b>					
<b>Fixed Fee</b>					
Prime Contractor Fee for Prime Contractor Labor					
Prime Contractor Fee for Subcontractor Labor *					
Total Fee (for Prime and Subcontractor Labor)					
<b>Total Labor Cost Plus Fixed Fee (CPFF)</b>					
<b>Other Direct Costs</b>					
Other Direct Costs (ODCs)					
Any adders to ODCs such as G&A (cost only - no fee)					
Total ODCs					
<b>Total CPFF all CLINs (Labor and ODCs)</b>					

Attachment X- Cost Summary Sheet



# Cost Type Contracts: Submission of Cost/Pricing Data

## ACCEPTABLE SUBSTANTIATING DATA:

The Offeror shall also provide (as an additional tab in the Cost Summary Format spreadsheet) fully burdened rates (including fee) for all proposed Offeror and subcontractor personnel for the base year and each option year. For the purposes of cost evaluation, Offerors shall identify the proposed escalation rate and provide documentation to sufficiently support the rationale for the proposed rates for all labor categories.

### Direct Labor

- Employee Payroll Data or Basis for rate of TBD Employee
- Forward Pricing Rate Agreement (FPRA)

### Escalation

- BLS
- Historical Data
  - ➔ Supported by Accounting Records

### Indirect Labor

- FPRA / FPRP
- Historical Data (DCMA submission sheets)

- Government will utilize the information provided in the cost summary table, Attachment X, in order to develop a Total Evaluated Price to the Government
- Omitted data may result in Government assumptions regarding the omitted data



## MAC Industry Discussions

*NSWCPD has recently implemented “Round Table Discussions” for Multiple Award Contract (MAC) holders as seen fit, on certain MACs. Goal is to facilitate communication between industry and government specific to those contracts and MAC processes.*

- Habitability MAC: Quarterly for all contract holders at once
- Big Blue MAC: Individually as preferred by MAC holders



# Department 10 Corporate Operations

## Industry Day Brief 2022

Presented by:

**Department 10 Acquisition Manager**

16 November 2022

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## Department 10 - Corporate Operations

- **Mission Statement**
  - Enable NSWCPD to operate effectively and cost efficiently as the Navy's center for Hull, Mechanical & Electrical (HM&E) Machinery Systems by providing the foundational tactical and strategic business operations, including:
    - Information Technology/Cybersecurity
    - Facilities Infrastructure; Security
    - Human Resources;
    - Corporate Business
    - Property Management
    - Public/Congressional Affairs
- **Vision Statement**
  - Business operations excellence through the use of rigorous, systematic and commonality approaches that exceeds customer expectations for quality, timely, and affordable solutions.



# Corporate Operations – Dept. 10

## Expanding the Advantage



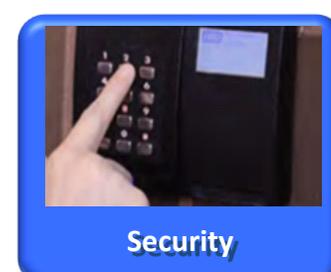
- Facilities Maintenance & Planning
- Utilities & Energy Management
- Design & Construction Project Management
- MILCON & MINCON Investments
- Weight Handling Program Management



- Environmental Compliance
- Workplace Hazards, Occupational Health
- Hazard Abatement & Fall Protection
- Ergonomics



- Student Outreach & STEM Programs
- Diversity Recruitment
- Onboarding & Mentoring
- High Velocity Learning



- Personnel & Physical Security
- Antiterrorism & Force Protection
- Information & Industrial Security
- Emergency Management
- Continuity of Operations
- OPSEC & COMSEC



- Visual Information
- Internal Comms/Community Relations
- Events, Exhibits, Protocol Ops

Provide foundational, cost efficient, tactical and strategic business operations solutions critical for optimal performance of NSWCPD's core equities and technical capabilities, allowing NSWCPD to remain the Navy's primary choice for Hull, Mechanical & Electrical (HM&E) Machinery Systems.



- CS Policy, Hygiene & Compliance
- Assessment & Authorization
- Cyber Monitoring & Incident Response



- Corporate Metrics
- Capacity & Competency Investments
- Managers Internal Control Program
- Affordability Initiatives
- Command Directives



- Network/Server Defense Systems Ops & Infrastructure
- IT Storage Solutions
- Wireless Device Management



- Physical Inventory of General Equipment & Operating Materials & Supplies
- Product Data Reporting & Evaluation Program



- Recruitment
- Developmental Training
- Labor & Employee Relations
- Union-Management Relations



## Department 10 Staff - Code 10B

Current Service Contracts		
Brief Description	Dollar Value	Concludes (QTR / FY)
Administrative Support Services	\$2.9M	2 <sup>nd</sup> QTR FY27

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# Human Resources Division – Code 101

## Current Service Contracts

Brief Description	Dollar value	Concludes (QTR, FY)
Human Resource Specialist Contractor Support Services	\$6.3M	1st QTR FY27
Human Resources Technician Contractor Support Services	\$2.3M	4 <sup>th</sup> QTR FY25

## Future Service Contracts

Brief Description	Est. Dollar Value	Anticipated Announcement Date (QTR / FY)
Web Training Course Development Services	\$250k annually	1 <sup>st</sup> /2 <sup>nd</sup> QTR FY23



# Infrastructure Division – Code 102

Current Service Contracts		
Brief Description	Dollar Value	Concludes (QTR, FY)
Office Moving and Furniture Installation Services	\$2M	4th QTR FY27
Infrastructure Support Services (facility management and support – in-field assessments, technician, admin, CAD, IT, safety, and environmental services)	\$10M	1st QTR FY25
Lighting Maintenance Contract	\$2M	1st QTR FY26
Elevator Maintenance Contract	\$1M	1st QTR FY27

Future Service Contracts		
Brief Description	Est. Dollar Value	Anticipated Announcement Date (QTR / FY)
HVAC Maintenance Contract	\$9M	2nd QTR FY23
Architectural/Engineering Design Services	\$4M	3rd QTR FY23



## Public Affairs Division – Code 103

Current Service Contracts		
Brief Description	Dollar Value	Concludes (QTR, FY)
Communications Specialist/Graphic Designer/Multimedia Specialist Services	\$3M	3rd QTR FY25



# Information Technology Division – Code 104

Current Service Contracts		
Brief Description	Dollar value (Annually)	Concludes (QTR, FY)
NMCI/IT Support Services (NMCI support, RDT&E network support, NGEN, IT customer support for NSWCPD)	\$7M Annually	2nd QTR FY25
Cybersecurity/Information Assurance Support Services (Navy validators, RMF, ISSO/ISSEs, IA policy, cyber, software programming for NSWCPD)	\$11M Annually	2nd QTR FY25



# Security Division – Code 105

## Current Service Contracts

Brief Description	Dollar value (Annually)	Concludes (QTR, FY)
Access Control Services	\$ 2.4M annually	4 <sup>th</sup> QTR FY23
Security Contractor Support Services (Physical Security)	\$900K annually	1 <sup>st</sup> QTR FY27

## Future Contracts

Brief Description	Est. Dollar Value (Annually)	Anticipated Announcement Date (QTR / FY)
Access Control Services (Follow-on)	\$3.3M annually	2 <sup>nd</sup> /3 <sup>rd</sup> QTR FY23



## Corporate Business Office Division - Code 106

Current Service Contracts		
Brief Description	Dollar Value	Concludes (QTR / FY)
Tech Writer, Records Management, and Process Improvement Support Services	\$3M	2nd QTR FY23



## Property Management Division – Code 107

Current Service Contracts		
Brief Description	Dollar value	Concludes (QTR, FY)
Operating, Materials and Supplies (OM&S); General Equipment; Plant Property & Equipment/Asset Management; and Purchase Requisition Support Services	\$ 25M	4th QTR FY25



# Department 10 Contractors

- Adsync Technologies – OM&S, GE, PR Support Services
- AvantGarde – Human Resource Specialist Support Services
- Booth Management Consulting (BMC) – Admin Support Services
- Caduceus – Human Resources Technician Support Services
- CC&C Management – Office/Furniture Moving Services
- EHS Technologies – Infrastructure Support Services
- EHS Technologies – NMCI/IT Support Services
- Fedwriters – Tech Writer/Records Mgmt./Process Imp. Support Services
- Herren Associates – Cybersecurity/IA Support Services
- Vox Optima – Public Affairs Support Services
- Precise Systems – Security Division Support Services
- Security 1 Solutions (S1S) – Access Control Personnel (ACPs) Services
- Vox Optima – Public Affairs Support Services



# Industry Day Brief Department 20

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Presented to:

**Industry Day**

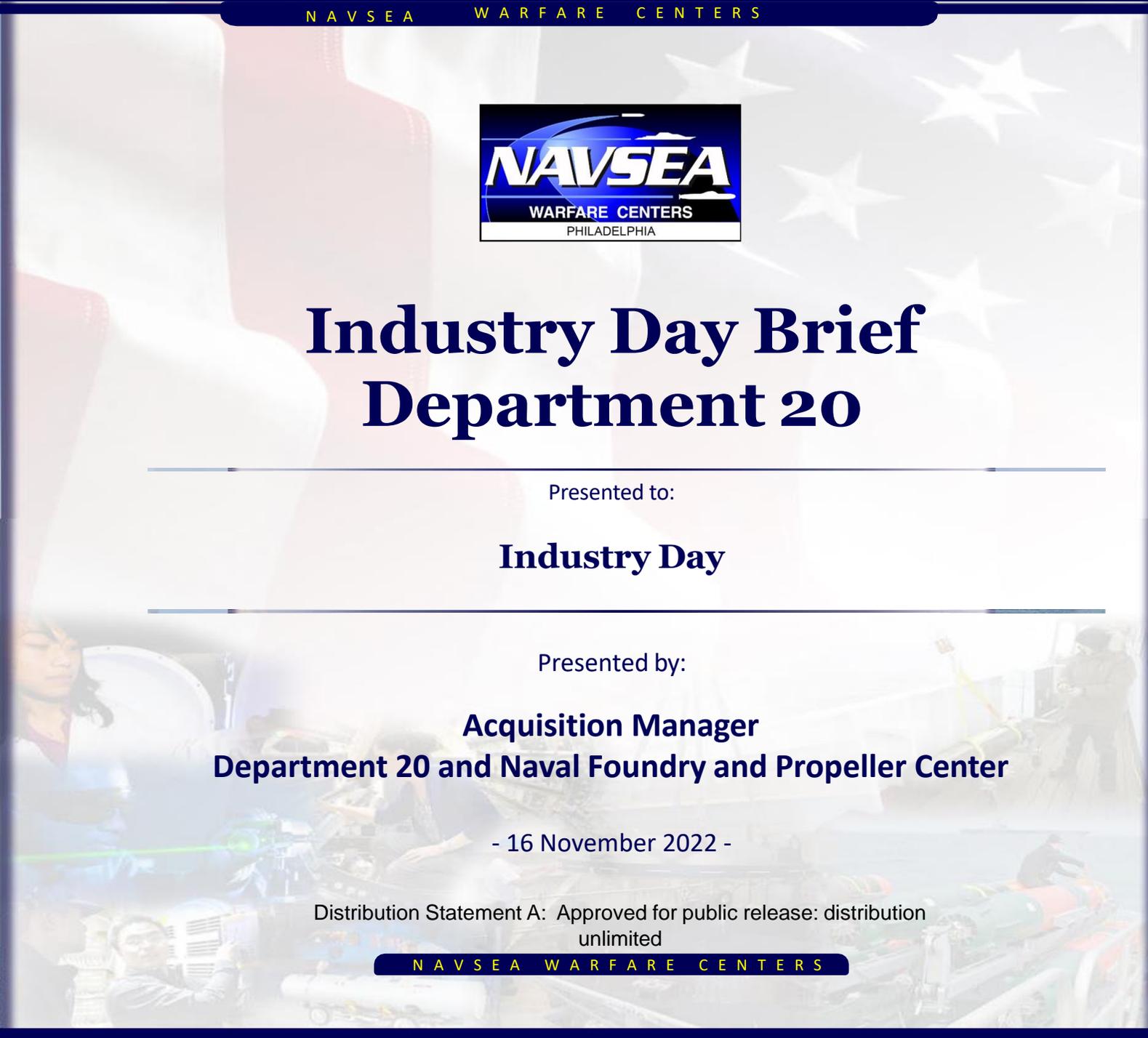
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Presented by:

**Acquisition Manager  
Department 20 and Naval Foundry and Propeller Center**

- 16 November 2022 -

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# Department 20 Machinery Programs and Platforms

## **Mission Statement:**

Provide program and platform leadership to the Command and the Navy to execute Hull, Mechanical and Electrical (HM&E) Machinery System integration initiatives through the successful management of Research and Development, Acquisition, Test and Evaluation, In-Service Engineering and Modernization programs.

These programs allow NSWCPD to remain as the Navy's primary choice for HM&E Machinery Systems Engineering.

## **VISION STATEMENT:**

Provide superior machinery systems integration for the Navy using high quality program and platform management practices which focus on acquisition, Fleet readiness, sustainment, modernization, testing, system integration and financial accountability



## Competitive Contract Requirements Division 21 Projected FY 23 Announcements

Description	ROM	Anticipated Announcement Date (FY/QTR)	Requiring Technical Code
SAPCOM-Woodward Atlas Sole Source	\$1.2M	FY23 Q1	21
LBES Outfitting/Installation MAC	\$163M	FY23 Q2	21
FFG 62 Load Machines	\$64M	FY23 Q2	21
Test Site Cybersecurity	\$18M	FY23 Q3	21

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## LBES Competitive Contract Requirements Division 22 Projected FY 23 Announcements

Description	ROM	Anticipated Announcement Date (FY/QTR)	Requiring Technical Code
DVSS	\$50M	FY23 Q3	22
RSC	\$86M	FY23 Q3	22
Cyber Validators	\$15M	FY23 Q3	22

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# Competitive Contract Requirements Department 23 Projected FY 23 Announcements

Description	ROM	Anticipated Announcement Date (FY/QTR)	Requiring Technical Code
Carrier Support	\$40M	FY23 Q4	23

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## Competitive Contract Requirements Division 24 Projected FY 23 Announcements

Description	ROM	Anticipated Announcement Date (FY/QTR)	Requiring Technical Code
SUBMARINE QA	\$9M	FY23 Q3	24

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CENTERS

## Competitive Contract Requirements Division 25 Projected FY 23 Announcements

Description	ROM	Anticipated Announcement Date (FY/QTR)	Requiring Technical Code
Navy Surface Ship AIT Management Support (Army Watercraft)	\$39M	FY23 Q2	25
Blue Collar Support – Small Business set aside – Little Blue	\$45M	FY23 Q3	25
Blue Collar Support – Big Blue IV	\$600M	FY23 Q4	25

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# NAVAL FOUNDRY AND PROPELLER CENTER (NFPC)

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# NAVSEA WARFARE CENTERS

## NFPC and Contacting Background

- NFPC is an organization at the Philadelphia Naval Business Center
- NSWCPD has been the contracts agent for NFPC since 2017
- Department 20 is the interface between NFPC and Code 02

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## Naval Foundry and Propeller Center - NFPC

### **Mission Statement:**

Design and manufacture advanced propulsion components for the U.S. Navy. NFPC specializes in advance propulsion engineering, castings and precision machining



## Competitive Contract Requirements NFPC Projected FY 23 Announcements

Description	ROM	Anticipated Announcement Date (FY/QTR)	Requiring Technical Code
Large PM/CM contract	\$45M	FY23 Q1	NFPC
Carnaghi Milling Heads (Sole Source)	\$1.8m	FY23 Q1	NFPC
Furnace Reline IDIQ	\$1.6M	FY23 Q2	NFPC
Hydraulic Oil	\$1.1M	FY23 Q3	NFPC

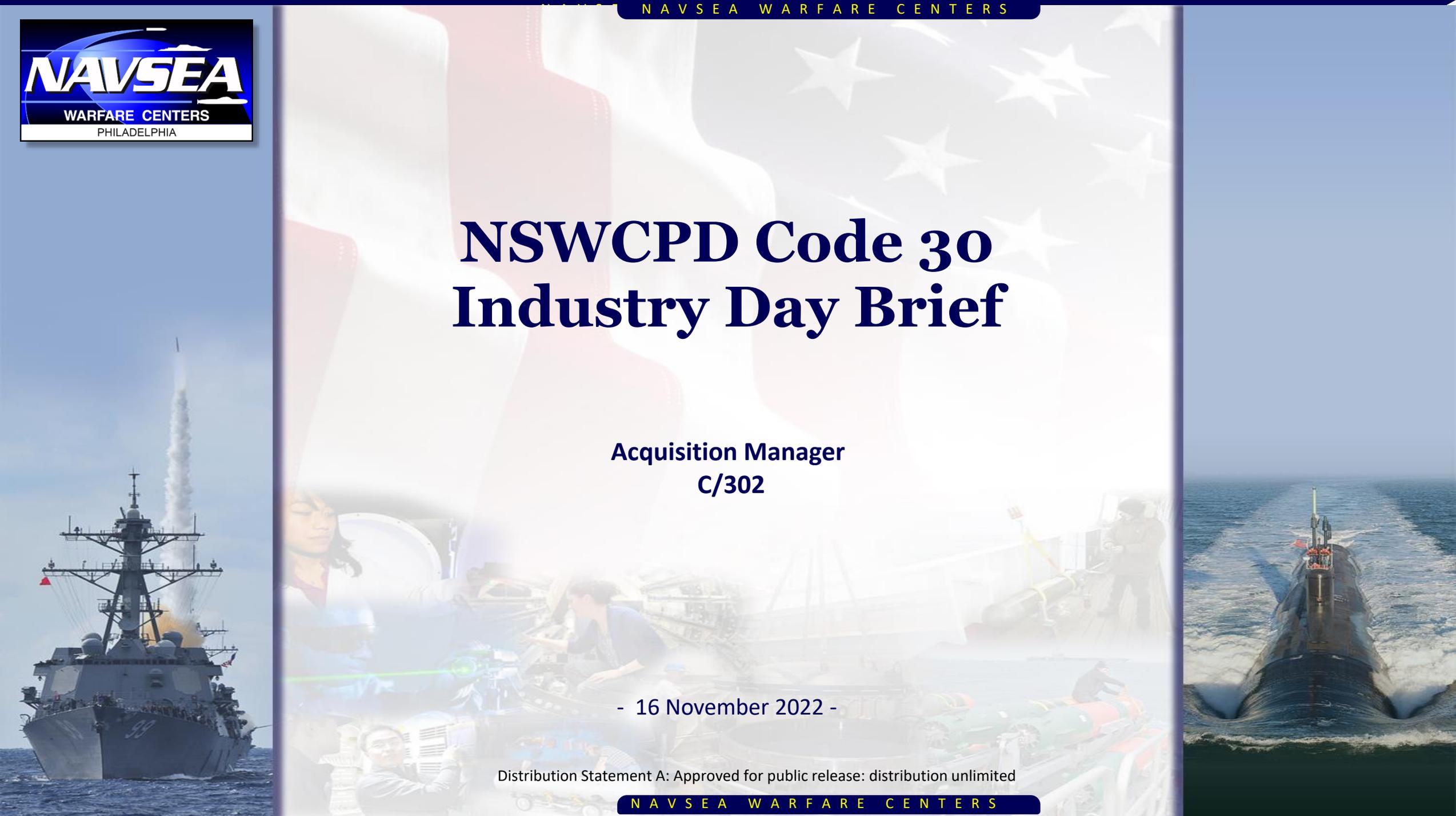


# NSWCPD Code 30 Industry Day Brief

Acquisition Manager  
C/302

- 16 November 2022 -

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## Department 30

# Machinery Research, Logistics & Ship Integrity

### **Mission Statement:**

Provide leadership, management, and execution of the Navy's Machinery Hull, Mechanical, and Electrical (HM&E) research and development, ship integrity, environmental compliance and protection, system calibration, and logistics and training initiatives. These programs and products support the Command's core equities and technical capabilities, which will allow NSWCPD to remain the Navy's primary choice for HM&E Machinery Systems Engineering.

### **Vision Statement:**

Naval machinery engineering excellence through affordable research and development, logistics, and ship integrity solutions.



## Competitive Contract Requirements – Projected FY23 Announcements

Brief Description	ROM	Anticipated Announcement Date (FY/QTR)	Requiring Technical Code
C/30 Cyber Engineering Support (SEAPORT)	\$10M	FY23/Q3	30
C/30 Admin Support (SEAPORT)	\$9M	FY23/Q3	30
Provisioning and ILS Cert Support MAC	\$65M	FY23/Q4	315
Engineering Operational Sequencing System (EOSS) Support Services (SEAPORT)	\$12M	FY23/Q2	313
Centrifugal Oil/Water Separator with alternative Oil Content Monitor (Supply)	\$9M	FY23/Q2	334
Lithium Battery Facility (LBF) Locker Refurbishment Services	\$700K	FY23Q2	335
Manufacturing and engineering services of Solid Waste and HAZMAT Systems	\$13M	FY23/Q2	335
Lithium Battery Facility (LBF) Locker (Supply)	\$7M	FY23/Q4	335



## Competitive Contract Requirements – Projected FY24 Announcements

Brief Description	ROM	Anticipated Announcement Date (FY/QTR)	Requiring Technical Code
Hardening Engineering Services (SEAPORT)	\$9	FY24/Q1	333



## Sole Source and Canceled Contract Requirements –

Brief Description	ROM	Anticipated Announcement Date (FY/QTR)	Requiring Technical Code
(Sole Source-Rolls Royce)-Gas Turbine Material Improvements Detailed Design Support	\$25M	FY23/Q2	325
(Sole Source to American Superconducting) Test Stand Equipment for High Temperature Superconductor (HTS) Advanced Degaussing system (ADG)	\$400K	FY23/Q1	325
(Sole Source to Team Tec) MKIIB and MKIII Incinerators procurement and commissioning/technical services	\$5M	FY23/Q3	335



# Industry Day Brief

Propulsion, Power, & Auxiliary Machinery

Department 40

Presented to:

**NSWCPD Industry Day 2023**

Presented by:

**Acquisition Manager  
Lead Acquisition Manager**

**Acquisition Managers, C/402**

- 16 November 2022 -

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# Department 40

## Propulsion, Power & Auxiliary Systems

- Mission Statement:
  - Provide the Navy with Superior Engineering Solutions and Technologies for Propulsion, Power, Auxiliary and Machinery Systems to make our ships and systems operationally superior and affordable throughout their life cycle
- Vision Statement:
  - NAVSEA's Life Cycle Engineering, Technology and Innovation Leader Providing superior machinery systems integration for Propulsion, Power, Auxiliary and Machinery Systems



## Competitive Contract Requirements – Projected FY23 Announcements

Brief Description	ROM	Anticipated Announcement Date (FY/QTR)	Requiring Technical Code
Cybersecurity AFLOAT Risk Framework Management Services	\$15M	FY23Q1	40
Engineering and Technical Services for Sail, Hull, Deck, & Auxiliary Machinery Systems	\$400M	FY23/Q1	41/43
DMS Program Support Amphibious Ships Diesels	\$33M	FY23/Q3	421
RADCON Engine Services	\$13M	FY23/Q2	424
LM2500 LPT Blade and Vane Repair	\$8M	FY23/Q3	424
C/425 Engineering Services	\$13M	FY23/Q3	425
SSBN 726 Class Trojan Design Propeller Overhaul	\$2M	FY23/Q4	426

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## Competitive Contract Requirements – Projected FY23 Announcements

Brief Description	ROM	Anticipated Announcement Date (FY/QTR)	Requiring Technical Code
44 Blue Collar Support	\$100M	FY23/Q4	44
Electrical Cabinet Fabrication	\$15M	FY23/Q1	442
Advanced Power Electrical Engineering Support	\$50M	FY23/Q1	444
Engineering and Technical Services for Submarine Communication Systems	\$50M	FY23/Q1	452
Submarine Sail Test & Assembly MAC	\$15M	FY23/Q1	451
Test & Assembly of Tow Cables	\$5M	FY23/Q1	452

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## MSTIC OTA Project Requirements – Projected FY23 Announcements

Brief Description	ROM	Anticipated Announcement Date (FY/QTR)	Requiring Technical Code
VLS Air Charging <i>(Develop a Solution for existing High Pressure Air Manifolds on the MK41 VLS Deluge system for Flight I DDGs and CGs.)</i>	\$75K	FY23/Q1	414
Advanced Weapons Elevators (AWE) Digital Transformation	\$9M	FY23/Q1	432



## **BACKUP: Sole Source Contract Requirements – Projected FY23 Announcements**

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## Sole Source Contract Requirements – Projected FY23 Announcements

Brief Description	ROM	Anticipated Announcement Date (FY/QTR)	Requiring Technical Code
OEM Engineering Services (Johnson Controls Navy Systems (JCNS))	\$33M	FY23/Q1	411
OEM HESC Backfit Kits for DDG Class (JCNS)	\$243M	FY23/Q1	411
OEM Computer Aided Radiography Inspection Program BOA (Applus)	\$5M	FY23/Q2	412
OEM Reverse Osmosis Equipment and Services (Parker)	\$10M	FY23/Q2	413
OEM Field Service Contract (Collins)	\$10M	FY23/Q2	416
CAMS Sustainment Material BOA (Collins)	\$28M	FY23/Q2	416
EDG Global Repair BOA (Caterpillar)	\$18M	FY23/Q2	421/422

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## Sole Source Contract Requirements – Projected FY23 Announcements

Brief Description	ROM	Anticipated Announcement Date (FY/QTR)	Requiring Technical Code
Diesel Engineering Services (Fairbanks Morse)	\$25M	FY23/Q3	421/422
Material BOA (GE)	\$110M	FY23/Q3	424
MT30 Engineering Sustainment Services (RR)	\$9M	FY23/Q3	424
LM2500 paired blade and single shank hot section component repairs (Chromoloy)	\$27M	FY23/Q4	424
LCS MRG OEM Engineering Support Services (RENK)	\$2M	FY23/Q3	426
LCS 1 Class Shaft and Waterjet Repair (RR)	\$61M	FY23/Q2	427
Engineering and Technical Services for Hull & Deck Machinery (Lakeshore)	\$15M	FY23/Q2	433

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## Sole Source Contract Requirements – Projected FY23 Announcements

Brief Description	ROM	Anticipated Announcement Date (FY/QTR)	Requiring Technical Code
BRR-6 Hydraulic Manifold Support (Sargent)	\$9M	FY23/Q1	452



# Department 50 Cybersecure Machinery Control Systems and Networks Department Overview

Presented to:

**NSWCPD Industry Day**

Presented by:

**Department 50 Lead Acquisition Manager**

- 16 November 2022 -

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## Cybersecure Machinery Control Systems & Networks - Department 50

### **MISSION:**

The Cybersecure Machinery Controls Systems & Networks Department is the principal provider of life cycle management (LCM) and full spectrum engineering support for cybersecure surface ship machinery information, sensors and control systems; mission-critical networks; steering and integrated bridge/navigation systems.

### **VISION:**

We are the Navy's leader for integrated cybersecure surface ship machinery information, sensors and control systems; mission-critical networks; steering and integrated bridge/navigation systems.



# Cybersecure HM&E Control Systems & Networks – Department 50

## Expanding the Advantage



**Machinery Control Systems**

- Machinery Controls LCM
- New Acquisition Support
- ISEA and SSA Support
- Modernization Support
- GOTS/Navy owned control systems development



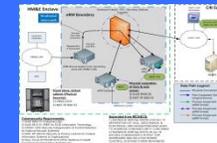
**HM&E Cybersecurity**

- Installing Non-Permanent Changes (NPCs)& developing SCDs for SA and Boundary Defense
- Cybersafe Program Development/Execution
- CSWF



**Electronic Damage Control Plotting**

- Advanced Damage Control System (ADCS)
- Damage/Casualty Control Automation
- Advanced Hardware Integration



**Machinery Enterprise Info Systems**

- Monitoring & Condition Assessment Systems
- Enterprise Remote Monitoring (eRM)
- Integrated Condition Assessment System (ICAS)
- Consolidated Machinery Assessment System (CMAS)



**Auxiliary Machinery Control Systems**

- Fluid & Steam Systems Automation
- Thermal Management
- Smart Valve Actuators
- Tank Level Indicators (TLIs)
- Automated Heat Stress System (AHSS)

Dept 50 is the Navy's leader for integrated cybersecure surface ship machinery information, sensors and control systems; mission-critical networks; steering and integrated bridge/navigation systems.



**Machinery Info Systems Technology**

- Data Acquisition System design and implementation
- Digital Video Surveillance Systems (DVSS)



**CVN Networks, Navigation & Ship Controls**

- CVN Ship/Steering Controls, Displays and Interfaces
- Navigation Distribution Systems
- Digital Ship Control System (SCS) RDT&E



**Mission Critical Interior Communications (IC) Data Networks**

- HM&E/IC Data Networks/Networks Infrastructure
- USQ-82 GEDMS/FODMS/DMS/SDMS
- Fiber Optic Cable Topology Standards & Qualification



**Ships Navigation & Integration Bridge Systems**

- Navigation Systems
- HM&E Certification
- Integrated Bridge Controls
- Electronic Charting Display Information System



**OBT & Sim/Stim Capabilities**

- Object-oriented, C++ machinery models
- Simulated control system (ship specific)
- Software-Based Machinery Plant Trainers
- Machinery Simulations



## Department 50 Anticipated Competitive Contract Requirements

Brief Description	Acquisition Strategy	ROM	Anticipated Announcement Date (FY/QTR)	Requiring Code
Shipboard Tablets	Full and Open Competition	> \$1M - < \$7M	FY23 Q2	51
Programmable Logic Controller (PLC) Hardware and Software	Full and Open Competition	> \$7M - < \$93M	FY23 Q2	52
Ship Control System and CG47 MCS OSU Tech Refresh EQT/Lab Hardware	Full and Open Competition	> \$7M - < \$93M	FY23 Q3	52
Tank Level Indicator Systems	Full and Open Competition	> \$7M - < \$93M	FY23 Q3	53
CBM Engineering Services Support	Full and Open Competition	> \$7M - < \$93M	FY23 Q3	51
Tech Admin Support Services	Full and Open Competition	> \$7M - < \$93M	FY23 Q4	50
Propulsion Auxiliary Control, Damage Control, and Ballast Control Human-Machined Interfaces (HMIs) Hardware Contract	Full and Open Competition	> \$7M - < \$93M	FY23 Q4	51
TSIMS Engineering Support	Full and Open Competition	> \$7M - < \$93M	FY24 Q1	53
Machinery Control MAC	Full and Open Competition	> \$93M - < \$250M	FY24 Q1	50
System Calibration Seaport	Full and Open Competition	> \$7M - < \$93M	FY24 Q3	53
Integrated Bridge and Navigation System Seaport	Full and Open Competition	> \$7M - < \$93M	FY23 Q2	52



## Department 50 Contractor Listing – Active Contracts

<u>Contractor Name (A - Z)</u>	
Alutiiq, LLC	Lyme Computer Systems, Inc.
Ameebay, LLC	McKean Defense
American Systems Corporation	Naval Automation Group
Continental Tide Defense Systems	NDI Engineering Company
Delphinus Engineering, Inc.	Northrop Grumman Systems Corporation
EHS Technologies Corporation	Oceaneering International Engineering Services Company
Epsilon Systems Solutions, Inc.	Prism Maritime LLC
Fairmount Automation Inc.	QED, Systems Inc.
General Dynamics Information Technology, Inc.	Raytheon Company
General Dynamics Mission Systems	Research and Development Solution Inc.
GET Engineering Corp.	Rockwell Automation Company
Green Expert Technology Inc.	Rocky Research
Gryphon Technologies L.C.	Science Applications International Corporation
Huntington Ingalls Industries Inc.	Serco, Inc.
L3 Technologies LLC	Staco Energy Products Company
Leidos Engineering Company	TDI Technologies Inc.
Life Cycle Engineering, Inc.	The GBS Group
Life Cycle Engineering, Inc.	Transtecs Corporation
LPI Technical Services	



# 2022 Industry Day

**NSWC Philadelphia  
Small Business Office**

Presented by:

**Small Business Professional**

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# FY 2022 Accomplishments

UNOFFICIAL	DATA as of	10/13/22		
TOTAL ELIGIBLE	751.1 M			
	GOAL \$	GOAL %	ACTUAL \$	ACTUAL %
SB	330 M	44 %	335.8 M	44.7 %
SDB	41.25 M	5.5 %	34.0 M	4.52 %
SDVOSB	3.75 M	.50 %	3.80 M	.50 %
WOSB	15.75 M	2.10 %	15.90 M	2.11 %
Hub Zone	6.75 M	0.9 %	10.41 M	1.38 %



# Updates

- FAR 52.219-14 – Limitation in Subcontracting
  - Similarly Situated Entities

*Similarly situated entity*, as used in this clause, means a first-tier subcontractor, including an independent contractor, that—

- (1) Has the same small business program status as that which qualified the prime contractor for the award (*e.g.*, for a small business set-aside contract, any small business concern, without regard to its socioeconomic status); and
- (2) Is considered small for the size standard under the North American Industry Classification System (NAICS) code the prime contractor assigned to the subcontract.



# Updates

- 2021 National Defense Act
  - SBA Final Rule effective 22 Aug 22
    - Subcontractor Past Performance
      - Written performance record is similar to CPARS
      - Small business (first tier sub) request prime to provide past performance rating - within 30 days of completion of performance of prime
      - Prime to provide rating within 15 days of request
      - First tier sub to provide rating report to agency



# Updates - Status

- Similarly Situated Entities
  - Four plus years from SBA Final Rule to FAR
- Subcontractor Past Performance
  - FAR Council ??





# Back to Basics

The DoD's response to DAWIA, a three-tiered certification program, proved to be a powerful tool in the overall professionalization of the DoD workforce. For more than thirty years, training was a one-size-fits-all approach and delivered early in an individual's career. DoD reevaluated training to foster a culture of lifelong learning for current and future acquisition professionals.

Changes to DAWIA certification standards took effect **February 1, 2022.**



**Back-to-Basics**

Empowering the Defense Acquisition Workforce



# Back to Basics - For You

- Know the Mission of Agency
  - NSWC - PD
    - Technical Codes
- Be receptive to agency interaction
  - Recommendations to other agencies
  - Productive debriefs



# Small Business Office

- Small Business Professional = Small Business Advocate
- The more information you provide expedites resolution





# Know Your SB Advocate

- Keep agency advocate “in the know”
  - Provide sources sought responses
  - Eyes open for follow-ons
  - New work



# Know Your Other Advocates

- **Procurement Technical Assistance Centers**

- FREE training
- FREE counseling
- FREE SAM registration
- FREE guidance to myriad of agencies

[www.aptac-us.org](http://www.aptac-us.org)

- **Small Business Development Centers**

- More FREE services



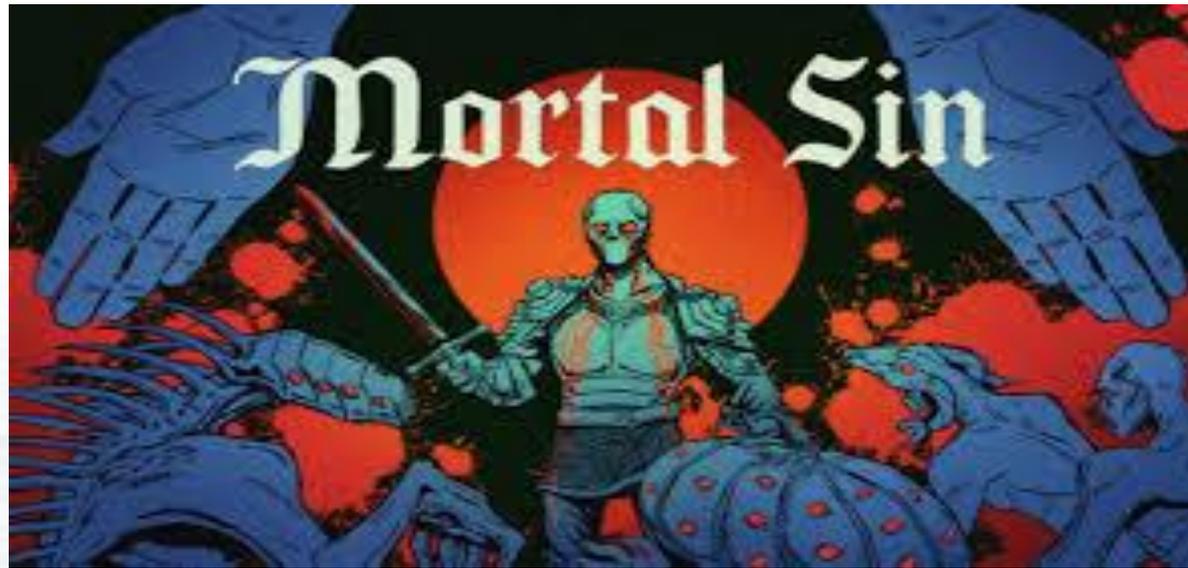
# Know Your Role

- **Prime**
  - Are you ready to be a Prime contractor ?
- **Subcontractor**
  - Minimal red-tape
  - Gain familiarity with agency
  - Develop relationships (prime/Gov't)
  - Past performance
  - Name recognition



# Know Not To...

**..Push for a set-aside and then not submit a proposal**





# Know Your Competition

- Market to where competitors are getting work
- To comply with “Rule of Two”
- Teaming



# Know Yourself

- Sell capabilities not certifications
- Differentiate your firm from others
- Maximize use of existing resources
  - Business Card
  - E-mail address



# Know Me

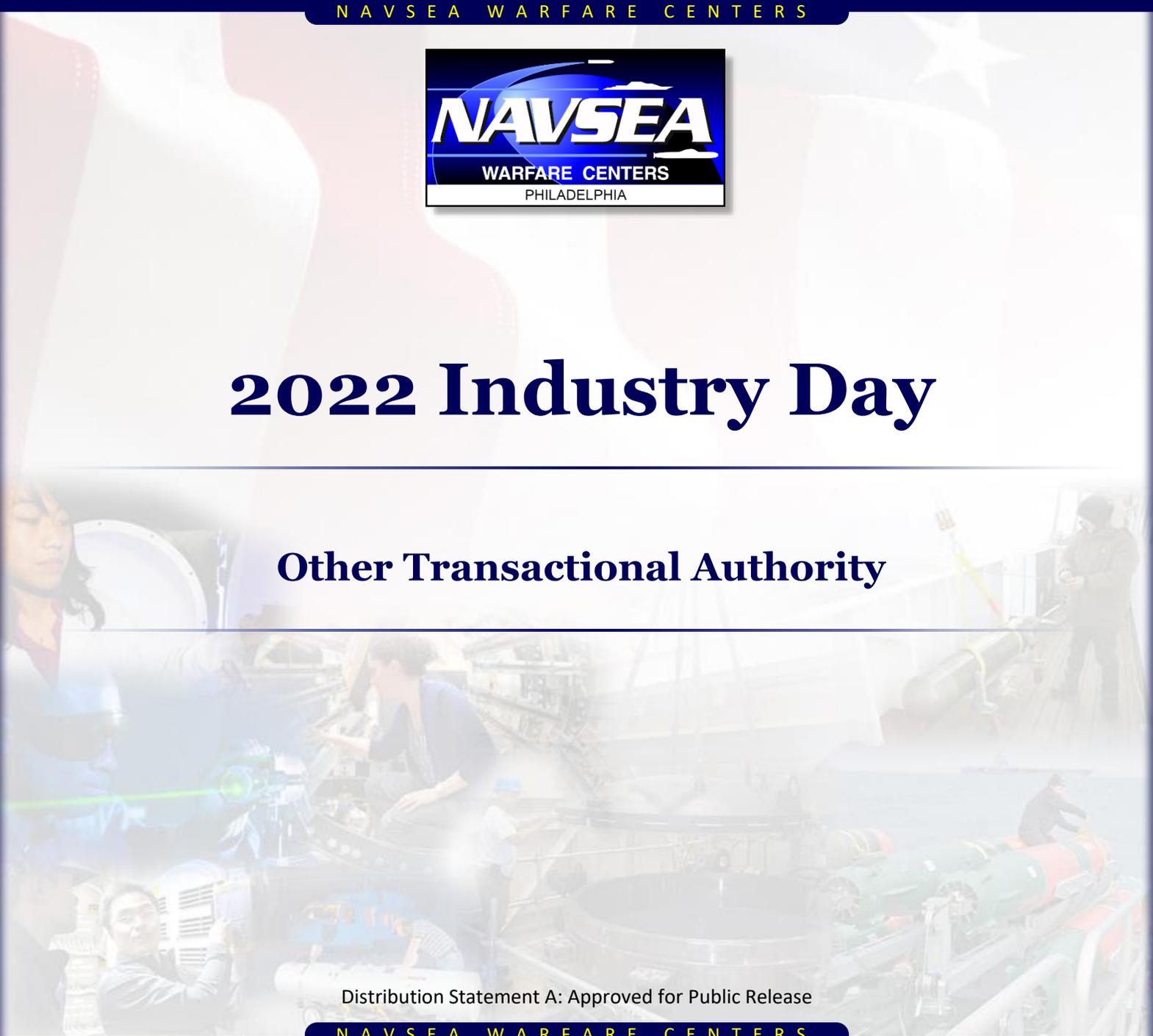
NSWCPD Small Business Office  
Small Business Professional  
(215) 897-1348



# 2022 Industry Day

## Other Transactional Authority

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# OTHER TRANSACTION AUTHORITY

## SEEKING INNOVATIVE TECHNOLOGIES?

### MARITIME SUSTAINMENT TECHNOLOGY AND INNOVATION CONSORTIUM (MSTIC)

#### Other Transaction Agreement: N64498-21-9-0001

##### What is it?

The primary goal of OTs is to attract nontraditional performers to reach innovative technologies not otherwise available to the Government

##### Why use it?

- Flexibility in competition, award structure, and more!
- Communication and collaboration between the Government and Industry is HIGHLY ENCOURAGED!
- Intellectual property and data rights terms are open to negotiation
- Production under the OT Authority with a sole source IF certain conditions exist
- Do not need a “defined requirement” or funding to submit a potential Project under the OTA



**GOT QUESTIONS? WE CAN HELP!**

##### MSTIC Status

- Current Membership: 315

##### FY 23 Cycle 2

- Industry Day Nov 30-Dec 1 2022
- Expected Award March 2023
- Go to [MSTIC.org/how-to-join](https://MSTIC.org/how-to-join) to join the MSTIC consortium.



Agreements Officer: 215-897-1949 or 215-528-0914  
OT Program Manager: 215-897-7179

##### RESOURCES

★ DAU CLC 066 – Other Transaction Authority

★ [MSTIC.org](https://MSTIC.org)

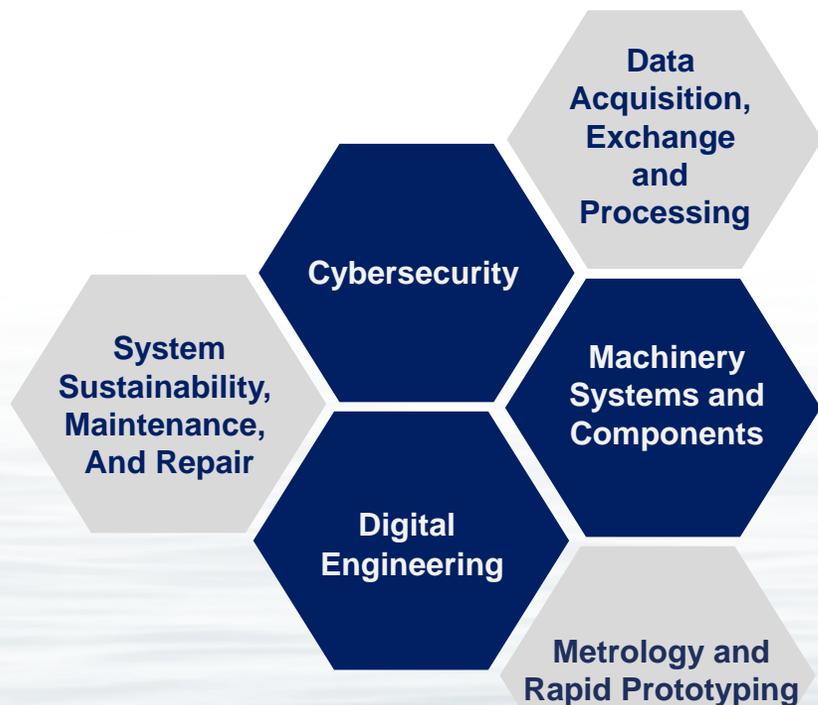
★ NSWCPD Code 02 Fusion Customer Site



# Liberty Tech Bridge

**Vision** – An innovation ecosystem between the US Navy and industry, academia, state and local governments in New Jersey, Pennsylvania and Delaware region to accelerate the development and transition of innovative increases in Navy shipboard warfighting capability.

## Focus Areas:



## Partners:



Philadelphia



**Naval Information Warfare Center**



**PACIFIC**



## Top 3 Objectives for FY23

- Pilot Tech Transition Plan for PEO
  - working with SBIR to align NSWCPD NISE and SBIR to their capability challenges, risks and program scheduled acquisitions.
- Workforce Development
  - Tech Bridge Rotation
  - Pilot with rotation with industry
- Industry Engagement via PIA
  - Work with DVIRC to create a Commercialization Pitch Day.
  - SBIR/NISE Industry Day
  - Tech Bridge Tuesdays
- Experimentation Site utilizing Inactive Ships and local NSWCPD facilities