



WELCOME TO THE 2025 NAVAL SURFACE WARFARE CENTER PHILADELPHIA DIVISION (NSWCPD) INDUSTRY DAY

-30 Jan 2025-

Distribution Statement A: Approved for Public Release



Admin Items

- We have two mobile microphones available for questions during presentations
 - Raise your hand, 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
- For Virtual Attendees: Questions may be submitted during the presentation via the “Chat”
- 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
- Remote attendees are only able to listen to the presentations and submit questions (there is no option to speak during the event for remote attendees)
- Bathrooms can be found behind me past the kitchenette and out the door to the left.
 - The men’s bathroom is up a flight of stairs. If this presents a problem, please flag one of our hall monitors.
- We have coffee and some donuts in the lobby area.
- **Please respond to the poll questions using the link below or scan the QR code →**
 - <https://forms.osi.apps.mil/r/pLGZaezZ1i>

NSWC Philadelphia Jan 2025
Industry Day Exit Survey





Agenda

0900 – 1000	Check-in
1000 – 1020	NSWCPD Acquisition Doris Tung, Dept. 02 Policy Division Head
1020 – 1030	Corporate Operations Department Rayann Surel, Dept. 10
1030 – 1040	Machinery Program & Platforms Edward Carter and David Engles, Dept. 20
1040 – 1050	Machinery Research, Logistics and Ship Integrity Daniel Wheeler, Dept. 30
1050 – 1100	Propulsion, Power and Auxiliary Machinery Systems Christopher Povorotney, Dept. 40
1100 – 1120	NSWCPD's Command Welcome Captain Joseph Darcy, Commanding Officer, NSWCPD
1120 – 1150	BREAK (30 min)



Agenda

1150 – 1200

Cybersecure Machinery Control Systems and Networks

Justin Chung & John Crum, Dept. 50

1200 – 1210

Major Test Programs and Industrial Support

Mario D'Adamo, Dept. 70

1210 – 1220

Small Business

Christie Colaianni, Dept. 00K

1220 – 1230

Other Transaction Authority

Jacob Udell, Other Transaction Program Manager

Rosemary Shuman, MSTIC Agreements Officer
James Case, Liberty Tech Bridge Director

1230 – 1245

Q&A

1245 – 1400

Q&A - Meet and Greet/Breakout Sessions (will not be presented via MS Teams)



FY25 Contracts Highlights

Presented to:

Industry

Presented by:

Doris Tung

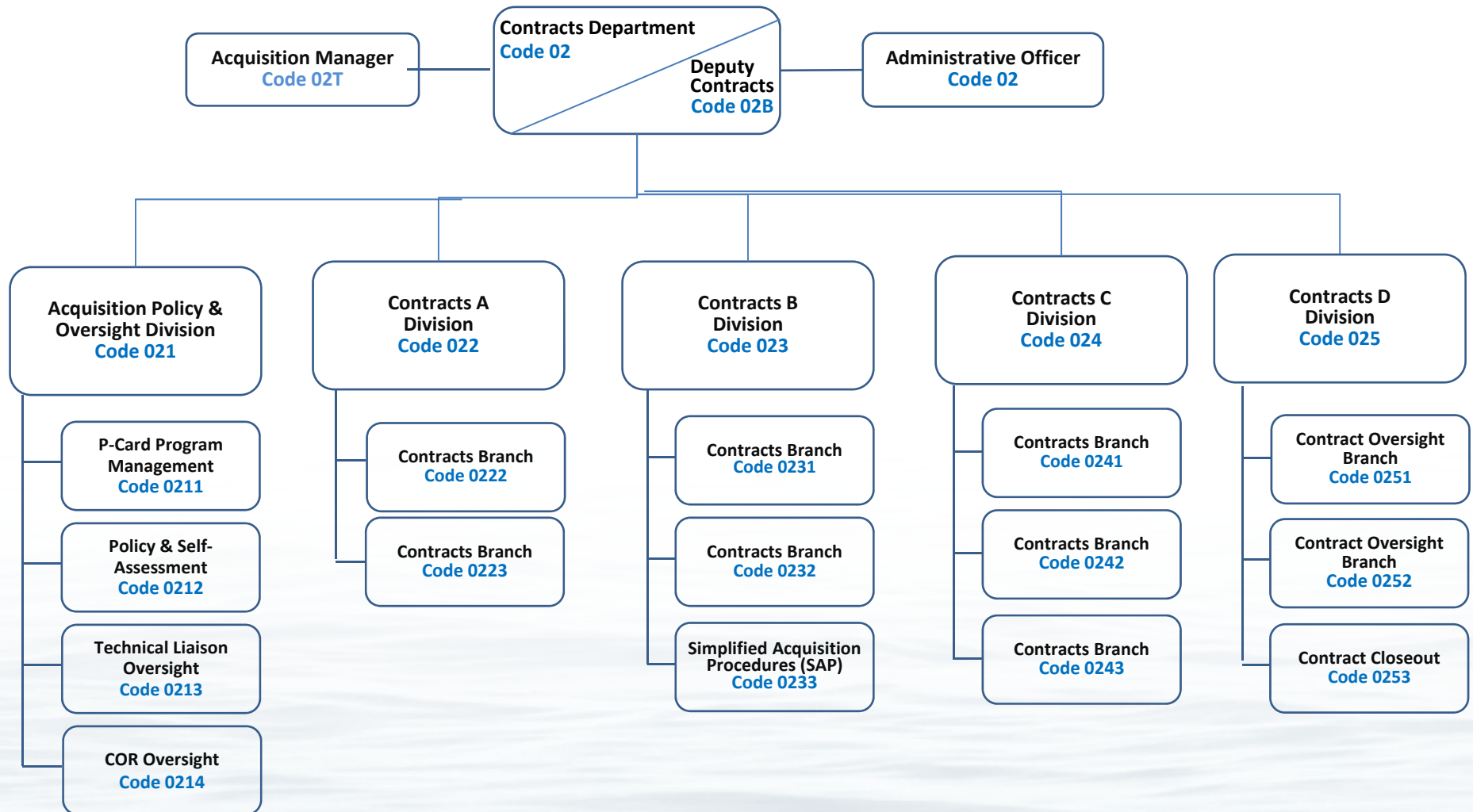
Code 021 Division Head

-30 Jan 2025-

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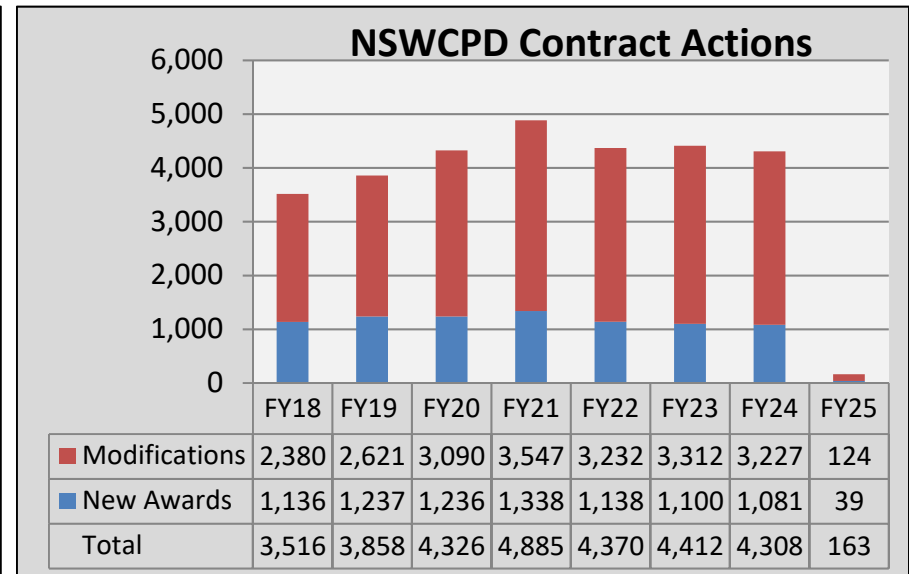
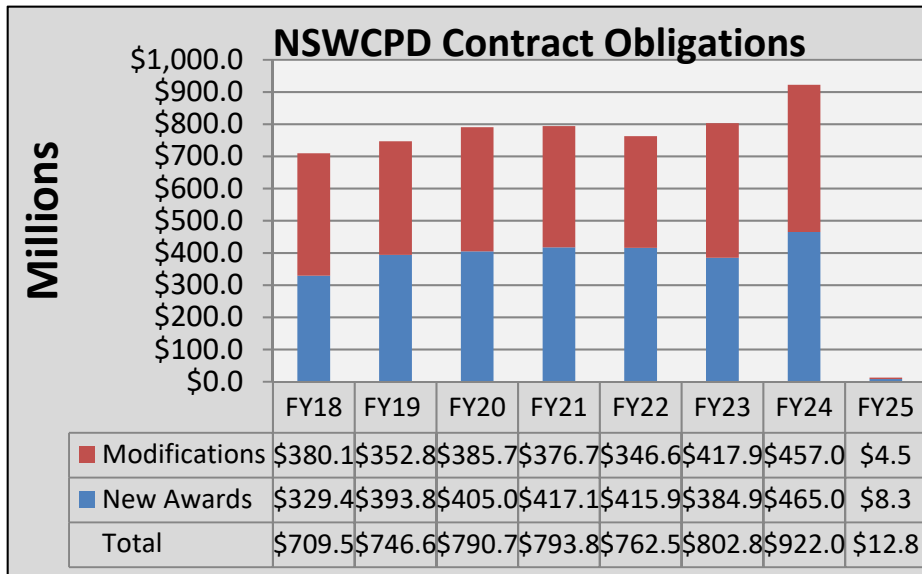


Code 02 Contracts Department





Contract Obligation Overview



FY24 OBLIGATION

Contracts & OTs: \$922M

ACTIVE CONTRACTS (approx.)

2,448 (62% services)

FY25 OBLIGATION PROJECTION

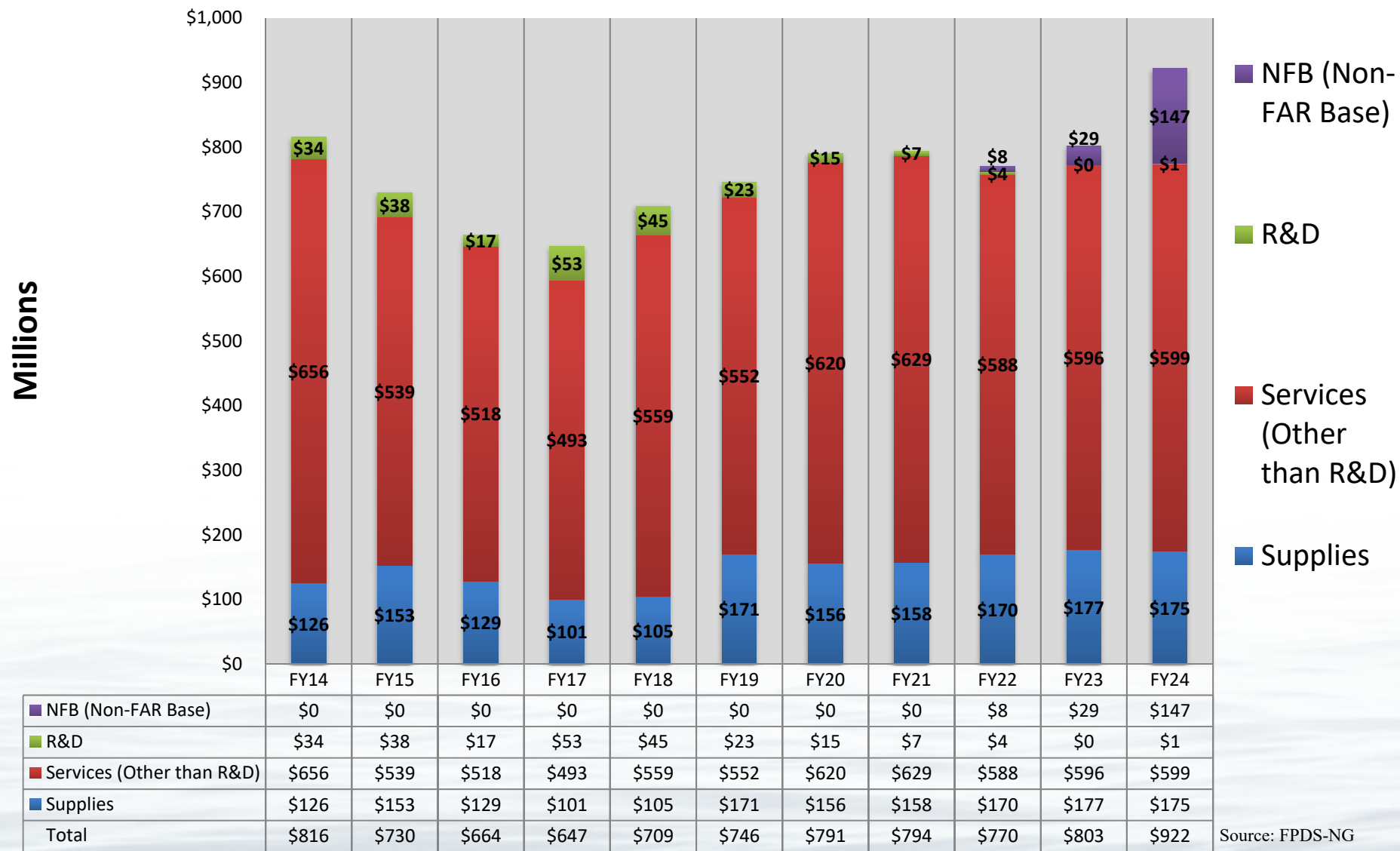
Contracts & OTs: \$888M

ACTIVE CONTRACTS (approx.)

2,461 (62% services)



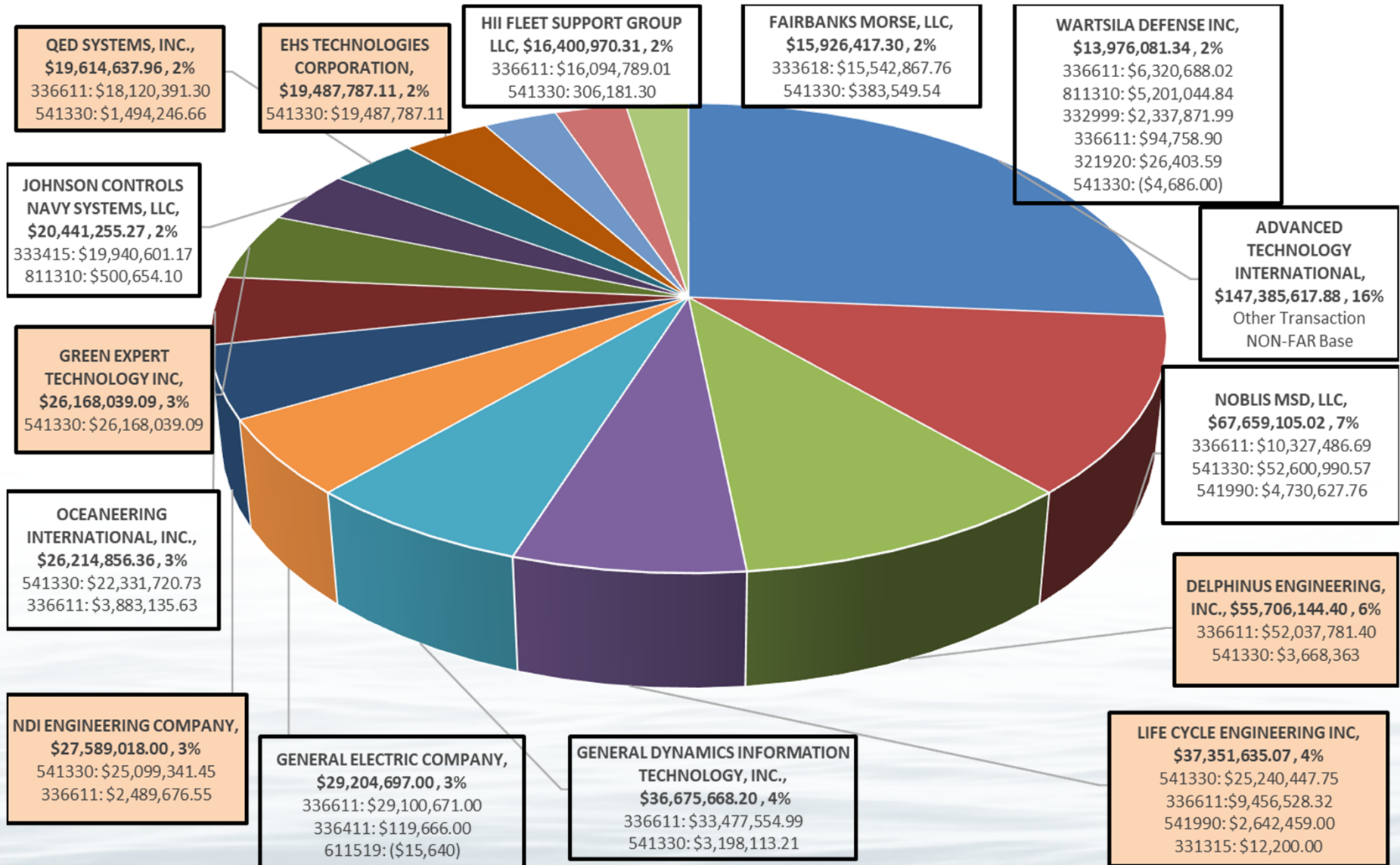
NSWCPD SITE R&D, OTHER ENGINEERING SERVICES, SUPPLIES



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Top 15 Contractors- - NSWCPD



* Small Businesses (NAICS)



Looking for Opportunities?

- **NAVSEA/NSWCPD Long Range Acquisition Forecast (LRAF)**
 - Updated semi-annually: <https://www.navsea.navy.mil/Business-Partnerships/LRAF/>
- **NSWCPD MAC IDIQ Task Order Forecasts:**
- **SAM.gov and Seaport**
 - Request for Information
 - 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
- **Maritime Sustainment Technology Innovation Consortium (MSTIC) Other Transactions**
- **Liberty Tech Bridge**
- **NSWCPD Deputy for Small Business**
- **APEX Accelerators (Formerly PTAC)**



PIEE SOLICITATION MODULE

Applicable: New Non-Seaport procurements

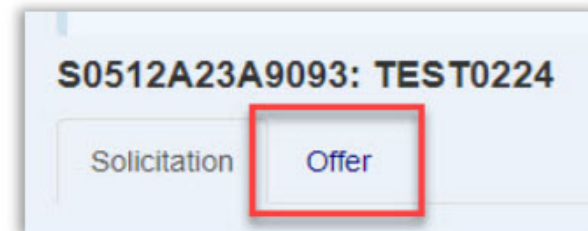
Policy Change: Transitioning from DoD SAFE to PIEE Solicitation Module for the submission of offers/proposals in FY25; FY26 – all PIEE.

Solicitations will be posted in SAM.gov, but to submit an offer/proposal, you must have a PIEE account (Proposal Manager role.)

Solicitation Sections L&M instructions will provide directions on submission requirements (DoD SAFE vs PIEE Solicitation)

Register for an account at <https://piee.eb.mil> : [Instructions](#)

Guides and videos in the PIEE portal:
[Solicitation Training - Proposals \(Offers\) |](#)





Contract Policy Highlights

- **Cost Type Level-of-Effort Services - Management and Support Category**
 - Labor costs associated with the contractor completing work such as eCRAFT reporting, tracking funding/ceiling on TIs, etc.
 - Permits contractors to propose IAW accounting structure
 - Ensure fairness in cost evaluation between offerors (charging direct vs indirect)
 - 480 hours per year (eCRAFT Code AMS1) incorporated into award if awardee charges direct for this LCAT
- **Wartime Readiness Roundtables**
 - Engaging with industry to have open dialogue on preparedness on both sides
- **DFARS Case 2022-D017 NIST SP 800-171 DoD Assessment Requirements**
 - waiting on DFARS final rule to provide standard methodology on assessments



Acquisition Management System (AMS) CDRL Tool

What is the CDRL Tool?

- The CDRL Tool is a module within the AMS suite that allows for a centralized data repository of DD Form 1423s and associated contract deliverables for both the Government and Contractor.

CDRL Tool Application Benefits

- Creates a clear deliverable schedule with "coming due" reminder notifications
- Allows Contractor upload of deliverables, Government review and disposition contractor-submitted deliverables

Data Integrity

- AMS users must have a Common Access Card (CAC) or Soft Certificate to access AMS CDRL Tool application
- The CDRL application is safeguarded so that only users with specific permissions can view, edit and/or print CDRLs

Estimated Implementation

- In calendar year 2025, NSWCPD will pilot the CDRL Tool with small selection of current contract(s).
- Post-pilot, determination will be made for further implementation across NSWCPD contracts.

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Services Post-Award Considerations

- **Rolling Admissions**
- **OPSEC Plan**
 - Required to be signed by company's FSO or PM and returned back to the COR.
- **Cost Control**
 - Burn Rate
 - Avoidance of overruns on TOs
 - Labor mix – using the lowest pay grade possible to successfully accomplish the requirement without unnecessarily using higher paid labor categories
 - Excessive Labor Rates (proposed vs actual)
 - Impacts CPARS ratings



Industry Feedback

- Provide feedback or send questions to the NSWCPD
 - <https://www.navsea.navy.mil/Home/Warfare-Centers/NSWC-Philadelphia/Partnerships/>
 - NSWCPD DIB Contact Address
usn.philadelphia.nswcdivphlpa.mbx.dib-feedback@us.navy.mil
 - Submit Industry Day Feedback Form
<https://forms.osi.apps.mil/r/pLGZaezZ1i>

NSWC Philadelphia Jan 2025
Industry Day Exit Survey





Department 10 Corporate Operations

Industry Day Brief 2025

Presented by:

Rayann Surel

Department 10 COR/Acquisition Manager

30 January 2025

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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, and 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.

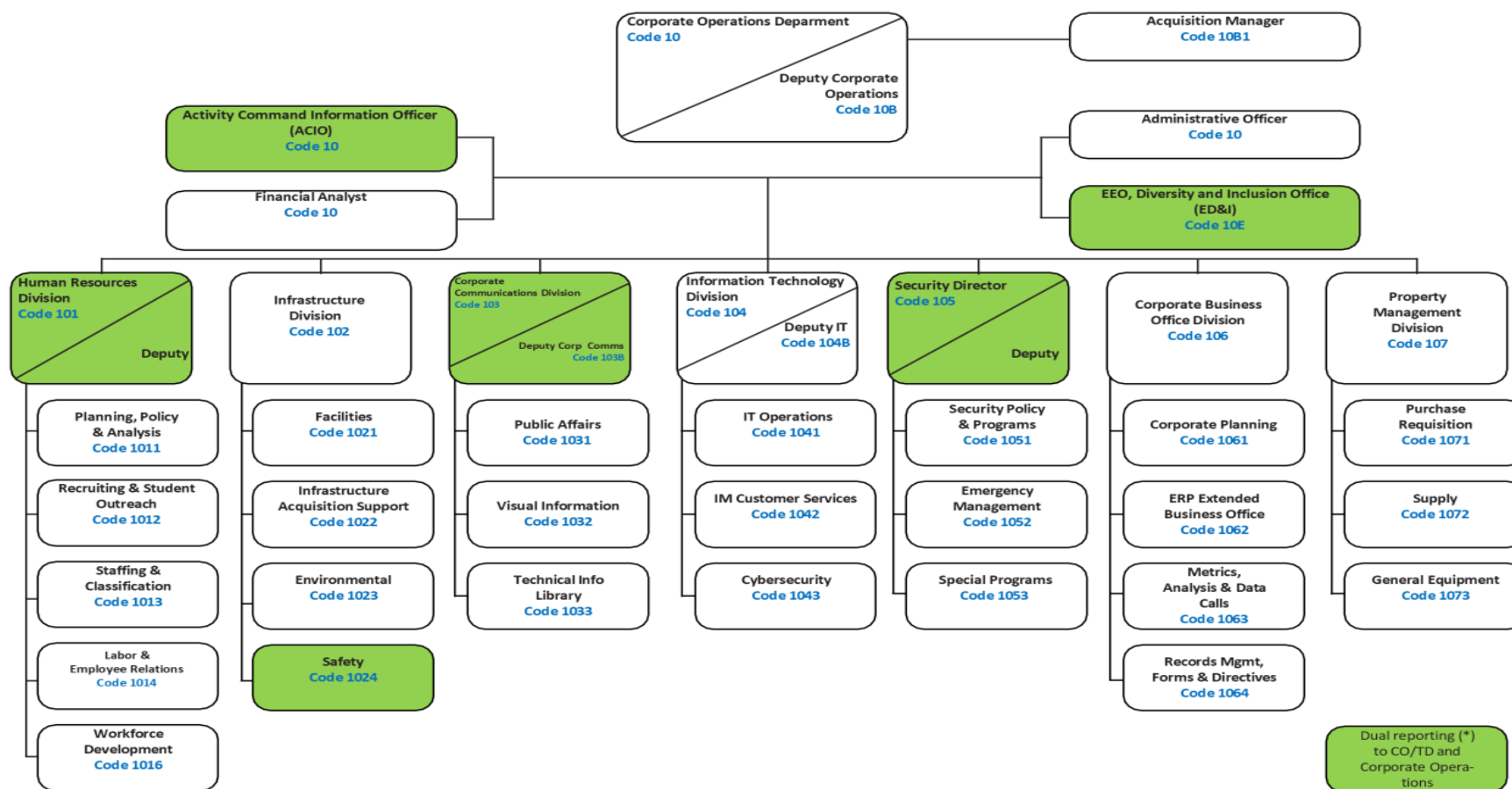
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Department 10 - Corporate Operations



Corporate Operations Department – Code 10 Organizational Chart



As of 31 August 2024

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Department 10 Staff - Code 10B

Current Service Contracts					
Brief Description	Dollar Value	Concludes	Contract Cost Type	Contract Vehicle	Incumbent
Administrative Support Services	\$2.9M	3rd QTR FY27	FFP	Commerical SAP	Booth Management Consulting N6449822P4010

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Human Resources Division – Code 101

Current Service Contracts

Brief Description	Dollar Value	Concludes	Contract Cost Type	Contract Vehicle	Incumbent
Human Resource Specialist Contractor Support Services	\$6.3M	1st QTR FY27	FFP	Commercial SAP	AVANTGARDE LLC N6449822F5002
Human Resources Technician Contractor Support Services	\$2.3M	4th QTR FY25	FFP	Commercial SAP	Caduceus N6449820F4231

Future Service Contracts

Brief Description	Est. Dollar Value	Anticipated Solicitation Release Date	Contract Cost Type	Small Business Set-aside	Contract Vehicle	Announcement Site	Incumbent
Human Resources Technician Contractor Support Services	\$3M	2nd QTR FY25	FFP	Yes	GSA	SAM.GOV	Caduceus N6449820F4231

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Infrastructure Division – Code 102

Current Service Contracts							
Brief Description	Dollar Value	Concludes	Contract Cost Type	Contract Vehicle	Incumbent		
Lighting Maintenance Contract	\$2M	1st QTR FY25	FFP	Commercial SAP	Green Build Federal Contracting Protocol N6449821D5001		
Elevator Maintenance Contract	\$1M	1st QTR FY27	FFP	Commercial SAP	Triad Lifts N6449822P4009		
HVAC Maintenance Contract	\$10M	4th QTR FY28	FFP	Large	JP Logistics N6449823D4007		
Cooling Water System and Chem Treatment Maintenance Service Contract	\$2M	4th QTR FY29	FFP	Commercial SAP	Precision Mechanical Services N6449824D4011		
Office Moving and Furniture Installation Services	\$1M	1st QTR FY30	FPP	Commercial SAP	Randy Ashton LLC N6449824P5396		
Infrastructure Support Services	\$19M	1st QTR FY30	CPFF	SEAPORT	EHS Technologies Corp N6449825F3002		
Future Service Contracts							
Brief Description	Est. Dollar Value	Anticipated Solicitation Release Date	Contract Cost Type	Small Business Set-aside	Contract Vehicle	Announcement Site	Incumbent
Electrical Preventative Maintenance & Repair	\$7M	2nd QTR FY26	FFP	TBD	Commercial SAP	SAM.GOV	N/A

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Public Affairs Division – Code 103

Current Service Contracts					
Brief Description	Dollar Value	Concludes	Contract Cost Type	Contract Vehicle	Incumbent
Communications Specialist/Graphic Designer/Multimedia Specialist Services	\$3M	3rd QTR FY25	FFP	Commercial SAP	Vox Optima, LLC N6449820P4002

Future Service Contracts							
Brief Description	Est. Dollar Value	Anticipated Solicitation Release Date	Contract Cost Type	Small Business Set-aside	Contract Vehicle	Announcement Site	Incumbent
Communications Specialist/Graphic Designer/Multimedia Specialist Services	\$5.5M	2nd QTR FY25	FFP	Yes	Commercial SAP	SAM.GOV	Vox Optima, LLC N6449820P4002

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Information Technology Division – Code 104

Current Service Contracts

Brief Description	Dollar Value	Concludes	Contract Cost Type	Contract Vehicle	Incumbent
NMCI/RDT&E Support Services	\$44M	4th QTR FY24	CPFF	SEAPORT	EHS Technologies N6449820F3002
Cybersecurity Support Services	\$58M	2nd QTR FY25	CPFF	SEAPORT	Herren Assoc. N6449820F3003

Future Service Contracts

Brief Description	Est. Dollar Value	Anticipated Solicitation Release Date	Contract Cost Type	Small Business Set-aside	Contract Vehicle	Announcement Site	Incumbent
Software Developer Support Services	\$55M	2nd QTR FY25	CPFF	WOSB	SEAPORT	SEAPORT	N/A
ISSE Support Services	\$48.5M	3rd QTR FY25	CPFF	SDVOSB	SEAPORT	SEAPORT	N/A
Cybersecurity/IA Support Services	\$75M	3rd QTR FY25	CPFF	Yes	SEAPORT	SEAPORT	N/A

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Security Division – Code 105

Current Service Contracts					
Brief Description	Dollar Value	Concludes	Contract Cost Type	Contract Vehicle	Incumbent
Access Control Services	\$6.90M	4th QTR FY26	FFP	Commercial SAP (8A)	Lucayan Technology Solutions N6449823C4014

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Corporate Business Office Division - Code 106

Current Service Contracts					
Brief Description	Dollar Value	Concludes	Contract Cost Type	Contract Vehicle	Incumbent
Tech Writer, Records Management, and Process Improvement Support Services	\$3M	2nd QTR FY28	FFP	Commercial SAP (8A)	Fedwriters N6449823C4000
ERP Support Services	\$725K	2nd QTR FY29	FFP	Commercial SAP (8A)	Advent Services N6449824P5046

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Property Management Division – Code 107

Current Service Contracts

Brief Description	Dollar Value	Concludes	Contract Cost Type	Contract Vehicle	Incumbent
Operating, Materials and Supplies (OM&S); General Equipment; Plant Property & Equipment/Asset Management; and Purchase Requisition Support Services	\$25M	4th QTR FY25	CPFF	SEAPORT	Adsync Technologies N6449820F3012

Future Service Contracts

Brief Description	Est. Dollar Value	Anticipated Solicitation Release Date	Contract Cost Type	Small Business Set-aside	Contract Vehicle	Announcement Site	Incumbent
Operating, Materials and Supplies (OM&S); General Equipment; Plant Property & Equipment/Asset Management; and Purchase Requisition Support Services	\$60M	2nd QTR FY25	CPFF	Yes	SEAPORT	SEAPORT	Adsync Technologies N6449820F3012

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Industry Day Brief Department 20 / NFPC

Presented to:

Industry Day

Presented by:

Edward Carter, Lead Acquisition Manager

Dave Engels, Acquisition Manager

- 30 January 2025 -

Distribution Statement A: Approved for public release: distribution unlimited



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:

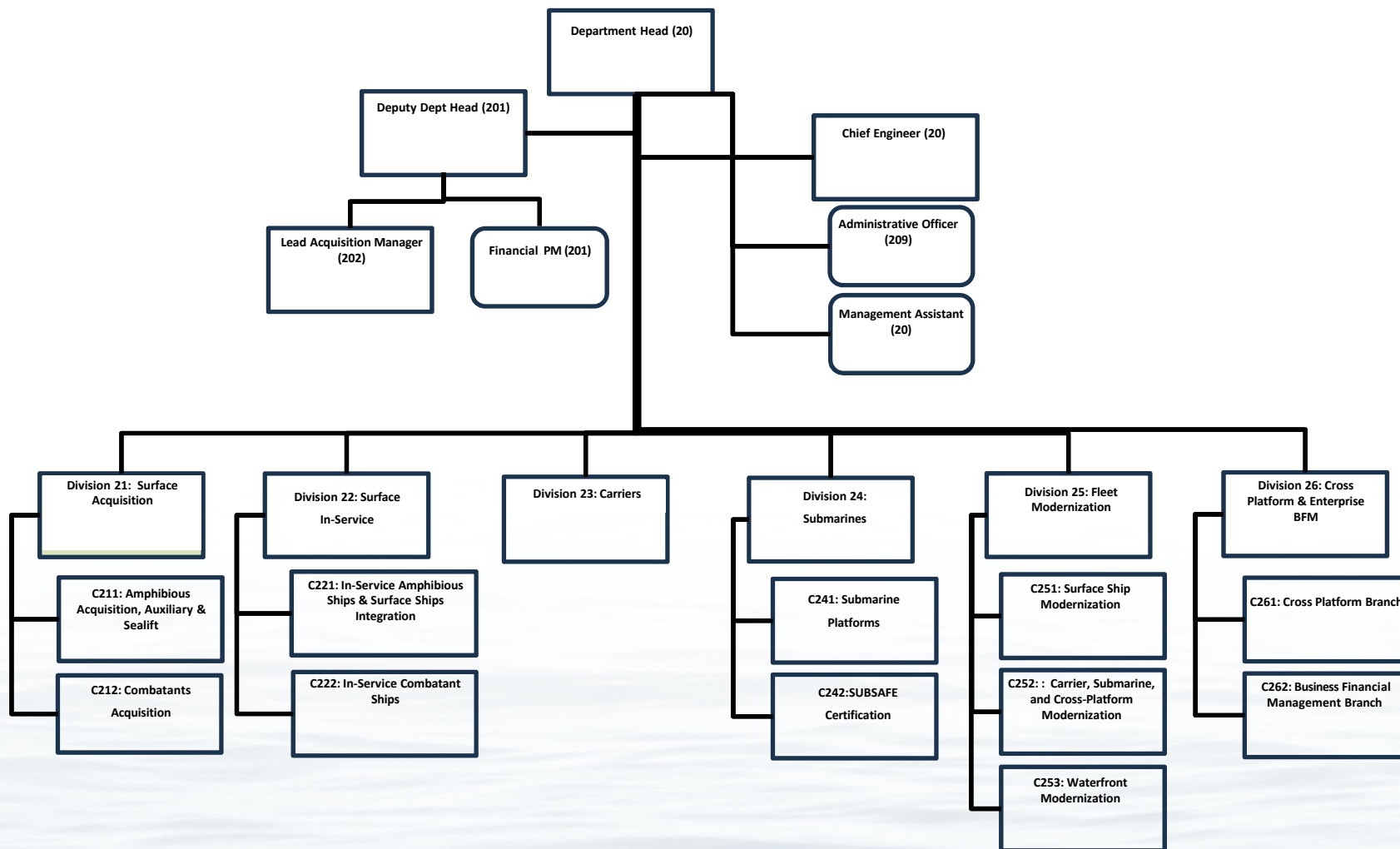
Provide superior machinery systems integration for the Navy using high quality program and platform management practices which focus on acquisition, Fleet readiness, sustainment, modernization, testing, system integration and financial accountability.

Distribution Statement A: Approved for Public Release



Department 20

Machinery Programs and Platforms





Competitive Contract Requirements Division 22

Projected FY 25 Announcements

Description	ROM	Type	Contract Vehicle	Projected Announcement Site	Follow On	Anticipated Announcement Date (FY/QTR)	Requiring Technical Code
Program Management Support and System Engineering Service Support for In-Service Ships & Cross-Platform Engineering	\$52M	CPFF	IDIQ	SEAPORT	Yes, Noblis	FY25 Q3	221

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Competitive Contract Requirements Division 25 Projected FY 25 Announcements

Description	ROM	Type	Contract Vehicle	Projected Announcement Site	Follow On	Anticipated Announcement Date (FY/QTR)	Requiring Technical Code
Electronic Chart Display and Information System - Navy (ECDIS-N).	\$16M	CPFF	IDIQ	SEAPORT	Yes, Noblis/LCE	FY25 Q3	252
Big Blue 4	\$989M	CPFF	IDIQ	SAM	Yes, several	FY26 Q1	25

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NAVAL FOUNDRY AND PROPELLER CENTER (NFPC)

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NFPC and Contracting Background

- NFPC is an organization at the Philadelphia Naval Business Center.
- NSWCPD has been the contracting agent for NFPC since 2017.
- Department 20 is the interface between NFPC and NSWCPD Contracts.

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Naval Foundry and Propeller Center - NFPC

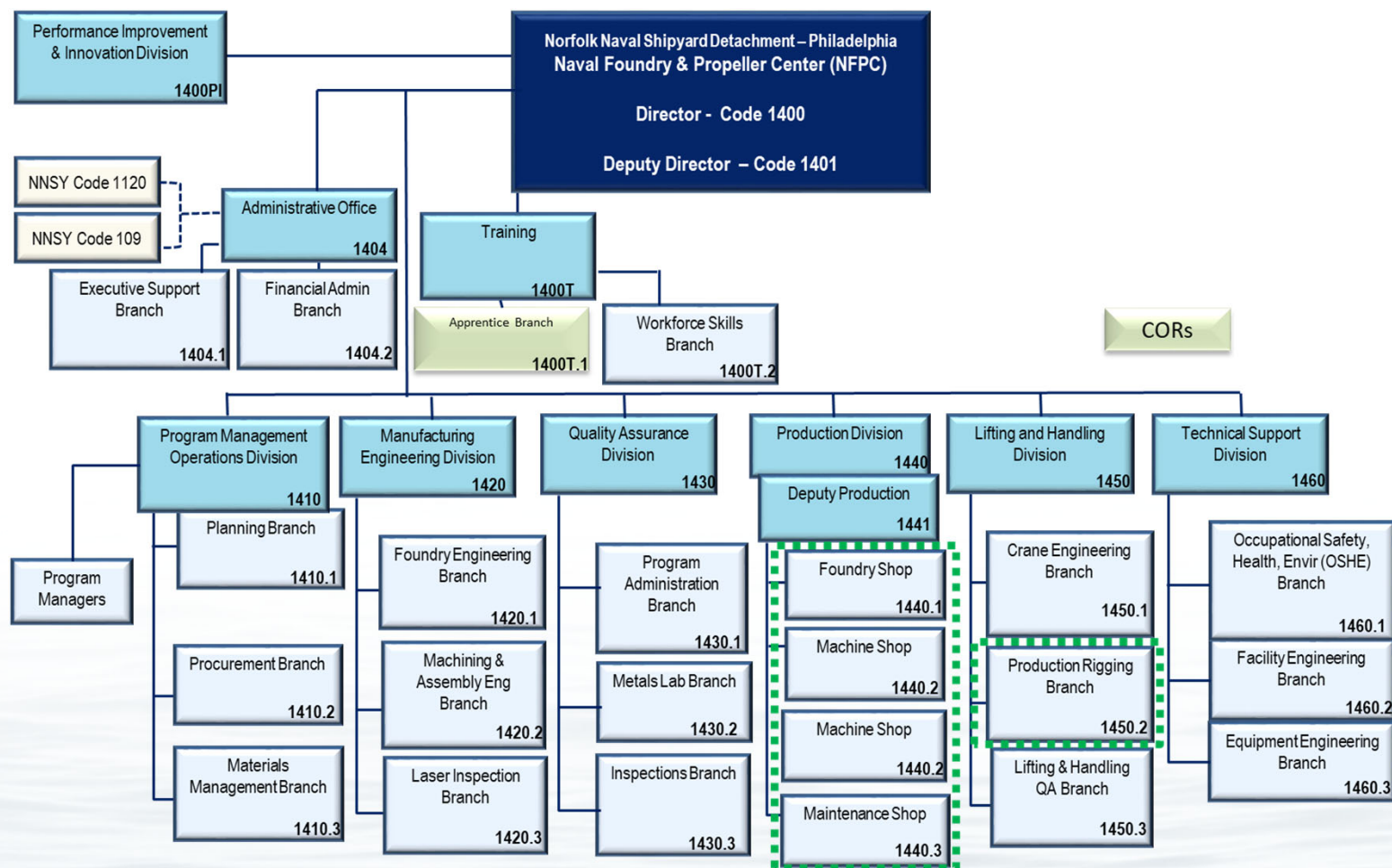
Mission Statement:

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

Distribution Statement A: Approved for Public Release



NAVAL FOUNDRY AND PROPELLER CENTER (NFPC ORG CHART)



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Competitive Contract Requirements NFPC Projected FY 25 Announcements

Description	ROM	Type	Contract Vehicle	Projected Announcement Site	Follow On	Anticipated Announcement Date (FY/QTR)	Requiring Technical Code
Fasteners	\$3.2M	FFP	IDIQ	SAM	No	FY25 Q4	241F

Distribution Statement A: Approved for Public Release



NSWCPCD C/30 Industry Day Brief

Daniel Wheeler
Acquisition Manager
C/302

- 30 Jan 2025 -

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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.

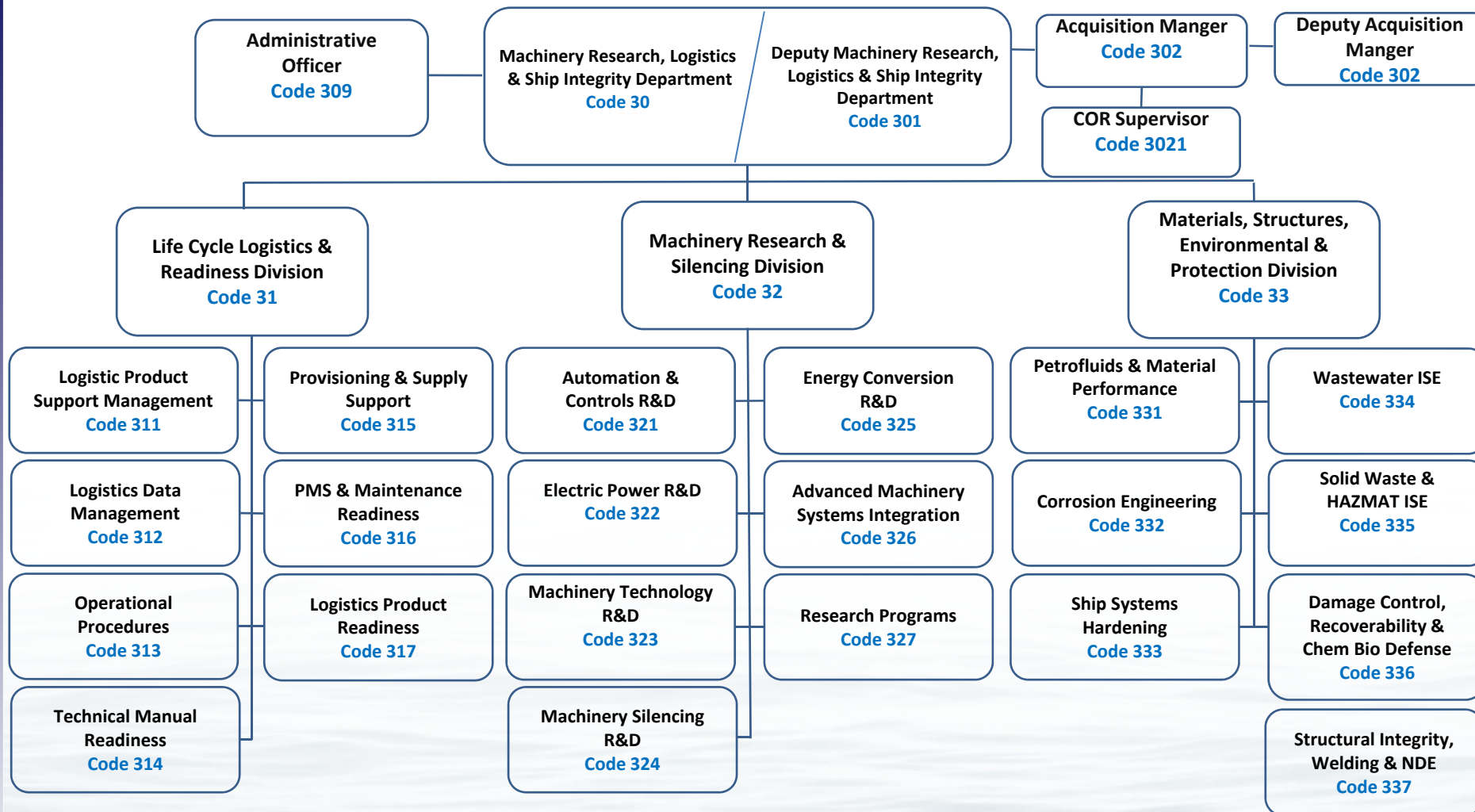
Vision Statement:

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

Distribution Statement A: Approved for public release: distribution unlimited



Machinery Research, Logistics & Ship Integrity Department – Code 30 Organizational Chart



Distribution Statement A: Approved for public release: distribution unlimited



Competitive Contract Requirements – C/31 Projected FY25 Announcements

Description	ROM	Type	Contract Vehicle	Projected Announcement Site	Incumbent / Contract #	Anticipated Solicitation Release Date (FY/QTR)	Requiring Technical Code
Tech Manuals Seaport TO	\$7.5 M	CPFF	IDIQ	SEAPORT	NONE	FY25 Q2	313
PMS Seaport Follow On	\$23.7M	CPFF	IDIQ	SEAPORT	NONE	FY25 Q2	316
(NESL) License Maintenance	\$7.4M	FFP	SAPCOM	SAM	N6449820P5226 (SDL XyEnterprise LLC)	FY25 Q2	312
(DLA) 339 and NAVSUP ESR Logistics Support	\$30M	CPFF	IDIQ	SEAPORT	N0017819D8013 N6449821F3054 (LIFE CYCLE ENGINEERING, INC.)	FY25 Q2	315
DMSMS	\$25M	CPFF	IDIQ	SEAPORT	N0017819D8168 N6449821F3041 (NDI)	FY25 Q4	315



Competitive Contract Requirements – C/33 Projected FY25 Announcements

Description	ROM	Type	Contract Vehicle	Projected Announcement Site	Incumbent / Contract #	Anticipated Solicitation Release Date (FY/QTR)	Requiring Technical Code
c331, c334, c335, c336_In-Service Engineering, Logistics, and Programmatic Technical services support related to: Lithium-ion Battery Facility (LBF) systems and equipment; Naval fluids engineering and testing services support; Oil Pollution Abatement (OPA) ISEA services, Non-oily wastewater (NOW) systems/equipment; Ballast Water Management (BWM) and Uniform National Discharge Standards (UNDS); and Decontamination equipment and systems	\$25 M	CPFF	IDIQ	SEAPORT	N6449821D4010 (Noblis)	FY25 Q3	331, 334, 335 & 336
332 and 337_Engineering and technical services for corrosion control and materials sciences support, as well as Welding, NDE, and Structural Integrity Engineering services Support	\$25M	CPFF	IDIQ	SEAPORT	N0017819D8811 N6449821F3014 (Vision Point)	FY25 Q2	332 & 337
c333_SEAPORT_EQT and EMC Lab support (C)	\$10M	CPFF	IDIQ	TBD	N0017819D8013N6449821F 3049 (LCE)	FY Q3	333



Industry Day Brief

Propulsion, Power, & Auxiliary Machinery

Department 40

Presented to:

NSWCPD Industry Day 2025

Presented by:

Desiree Deshmukh, Lead Acquisition Manager

**Carly Jordan, Michael Nolan,
Heather Gardenhour, Chris Povorotney**
Acquisition Managers, C/402

- 30 January 2025 -

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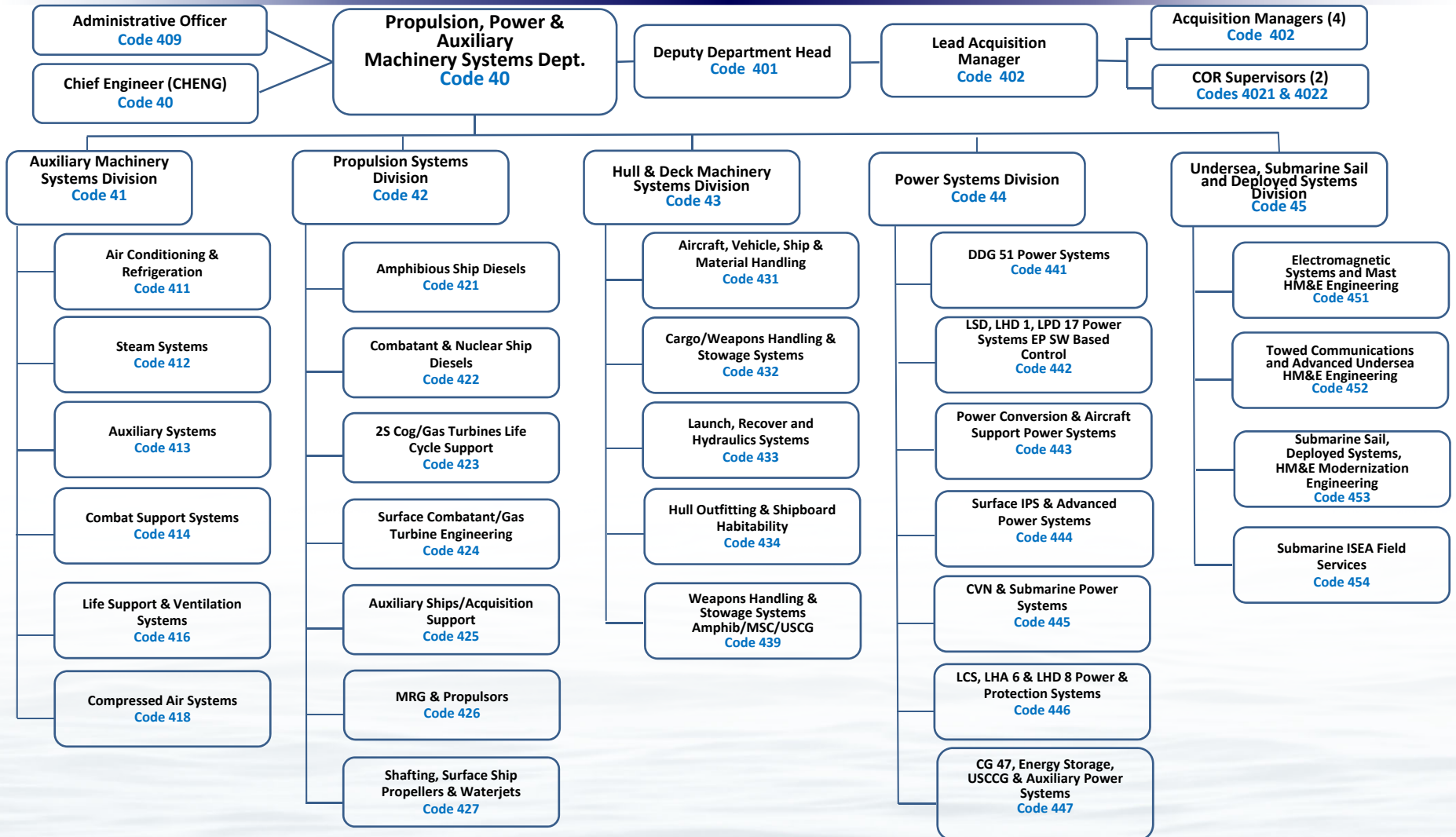
Department 40

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



Propulsion, Power & Auxiliary Machinery Systems Department – Code 40 Organizational Chart





Competitive Contract Requirements Projected FY25 Announcements – Division 41

Brief Description	ROM	Anticipated Announcement Date (FY/QTR)	Requiring Technical Code	Contract Type	Contract Vehicle	Announcement Site	Follow-On
Steam Critical Spares Refurbishment/Repair	> \$7.5M - < \$50M	FY25/Q2	412	CPFF	Single-Award Indefinite-Delivery	SAM	Yes/QED N6449819D4026
Air Conditioning and Refrigeration (AC&R) Services MAC Follow-on	> \$50M - < \$100M	FY25/Q3	411	CPFF	Multi-Award Indefinite-Delivery	SAM	Yes/Multiple (MAC)
Steam Propulsion Plant Support Services	> \$7.5M - < \$50M	FY25/Q3	412	CPFF	Delivery Order/Task Order (Seaport)	Seaport	Yes/Noblis N6449821F3010



Competitive Contract Requirements Projected FY25 Announcements – Division 42

Brief Description	ROM	Anticipated Announcement Date (FY/QTR)	Requiring Technical Code	Contract Type	Contract Vehicle	Announcement Site	Follow-On
Propeller Repair IDIQ Follow-On	> \$50M - < \$100M	FY25/Q2	423	FFP	Single-Award Indefinite-Delivery	SAM	Yes/RRMNA, WDI N6449820D4011
Universal Balance Arbor Procurement	> 750K - < \$2M	FY25/Q3	423	FFP	Single-Award Indefinite-Delivery	SAM	No
Monobloc Propeller Procurement	> \$50M - < \$100M	FY25/Q3	423	FFP	Multi-Award Indefinite-Delivery	SAM	No
Marine Gas Turbine Information System (MGTIS) Follow-On	> \$7.5M - < \$50M	FY25/Q4	423	CPFF	Delivery Order/Task Order (Seaport)	SEAPORT	Yes/GreenXT N6449821F3024
2S LM2500 Turbine Midframe Repair/Upgrade	> \$7.5M - < \$50M	FY25/Q2	424	FFP	Single-Award Indefinite-Delivery	SAM	No



Competitive Contract Requirements

Projected FY25 Announcements – Division 42 cont.

Brief Description	ROM	Anticipated Announcement Date (FY/QTR)	Requiring Technical Code	Contract Type	Contract Vehicle	Announcement Site	Follow-On
Engineering Services for Gas Turbines	> \$7.5M - < \$50M	FY25/Q2	424	CPFF	Delivery Order/Task Order (Seaport)	SEAPORT	Yes/GreenXT N6449820F3024
C/425 Engineering Services Support	> \$7.5M - < \$50M	FY25/Q4	425	CPFF	Delivery Order/Task Order (Seaport)	SEAPORT	No
Onsite Submarine Propeller and Propulsor Repair	> \$7.5M - < \$50M	FY25/Q4	426	FFP	Single-Award Indefinite-Delivery	SAM	Yes/DMS N6449821D4006
Diesel Readiness System (DRS) Program Follow-On	> \$50M - < \$100M	FY25/Q2	421	CPFF	Delivery Order/Task Order (Seaport)	SEAPORT	Yes/LCE N6449820F3021
Diesel Maintenance Strategy (DMS) Program LCS Program Support	> \$7.5M - < \$50M	FY25/Q3	421	CPFF	Delivery Order/Task Order (Seaport)	SEAPORT	Yes/GreenXT N6449821F3001



Competitive Contract Requirements Projected FY25 Announcements – Division 43

Brief Description	ROM	Anticipated Announcement Date (FY/QTR)	Requiring Technical Code	Contract Type	Contract Vehicle	Announcement Site	Follow-On
Habitability Services -Base Contract Follow-on	> \$250M - < \$1B	FY25/Q3	434	CPFF	Multi-Award Indefinite-Delivery	SAM	Yes/Multiple (MAC)
Navy Slewing Arm Davit (SLAD) Follow-On Contract	> \$7.5M - < \$50M	FY25/Q3	433	FFP	Single-Award Indefinite-Delivery	SAM	Yes/Appleton Marine, Inc. N6449820D4018



Competitive Contract Requirements

Projected FY25 Announcements – Division 44

Brief Description	ROM	Anticipated Announcement Date (FY/QTR)	Requiring Technical Code	Contract Type	Contract Vehicle	Announcement Site	Follow-On
Power Conversion Engineering Support	> \$7.5M - < \$50M	FY25/Q2	447	CPFF	Delivery Order/Task Order (Seaport)	Seaport	No
60 Hz Engineering Support (Shipboard Electrical Power)	> \$7.5M - < \$50M	FY25/Q2	442	CPFF	Delivery Order/Task Order (Seaport)	Seaport	No



Competitive Contract Requirements Projected FY25 Announcements – Division 45

Brief Description	ROM	Anticipated Announcement Date (FY/QTR)	Requiring Technical Code	Contract Type	Contract Vehicle	Announcement Site	Follow-On
Fiberglass Mast Fairings and Support Services	> \$7.5M - < \$50M	FY25/Q3	451	FFP	Single-Award Indefinite-Delivery	SAM	Yes/GSE N6449821D4012
Procurement of Universal Modular Mast (UMM) Spare Parts and Cylinders	> 2M - < \$7.5M	FY25/Q4	451	FFP	Single-Award Indefinite-Delivery	SAM	Yes/L3 Harris N6449821D4022
Cable Cutter and Reeling Machine Assembly Components – SUBSAFE/Level 1 Material	> 2M - < \$7.5M	FY25/Q4	452	FFP	Single-Award Indefinite-Delivery	SAM	No



NSWCPD Command Overview

Mr. Nigel C. Thijs, SES

CAPT Joseph Darcy

**Naval Surface Warfare Center,
Philadelphia Division**

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

24 January 2025

About Philadelphia

Command 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

Core Equities

Deliver life cycle support from concept design through in-service operation, modernization, and disposal.

- Surface & Undersea Vehicle Machinery Systems Integration
- Surface & Undersea Vehicle Mechanical Power & Propulsion Systems
- Surface & Undersea Vehicle Electrical Power & Propulsion Systems
- Surface & Undersea Vehicle Auxiliary Machinery Systems
- Surface & Undersea Vehicle Hull & Deck Machinery Systems
- Surface & Undersea Vehicle Machinery Automation, Controls, Sensors & Networks Systems
- Advanced Logistics Concepts and HM&E Life Cycle Logistics Support
- Ship Recovery & Damage Control
- HM&E for Undersea Vehicle Sail Systems & Deployed Systems
- Shipboard Waste & Hazardous Materials Management Systems
- Surface Ship & Undersea Vehicle Machinery Systems Integrity
- SUBSAFE Supervising Authority & Level-I Material Certification



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NSWCPD Organization



Business

- Comptroller
- Corporate Operations
- Contracts

TD/DT

- Chief Technology Office (CTO)
- Quality Management Office
- Chief Engineer (CHENG)

Technical

- Propulsion, Power & Auxiliary Machinery
- Cyber-Secure HM&E Control Systems & Networks
- Machinery Research, Logistics & Ship Integrity
- Machinery Programs & Platforms



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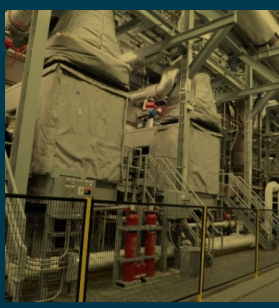
Full Spectrum Engineering



**Science
&
Technology**



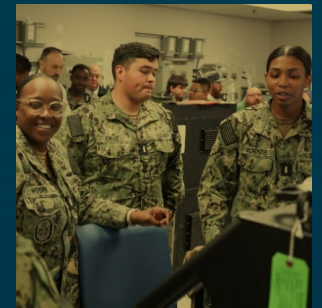
**Research
&
Development**



**Test
&
Evaluation**



Engineering



**Fleet
Support**

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**



Fleet Support

**Engineering Support Trips
Completed**

11,012

**Engineers, Scientists &
Technical Specialists**

2,154

**Total Civilian
Workforce**

2,896



**PROVIDING
WORLDWIDE
TECHNICAL EXPERTISE**



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

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



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

Strategic Partnerships



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



Liberty Tech Bridge



**Other Transaction Agreement (OTA) for new Maritime
Sustainment Technology and Innovation Consortium**



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Active Education Partnership Agreements (EPA)



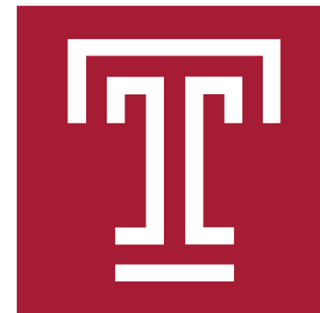
PennState



VILLANOVA
UNIVERSITY



UNIVERSITY OF
TEXAS
ARLINGTON





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Department 50 Cybersecure Machinery Control Systems and Networks Department Overview

Presented to:

NSWCPD Industry Day

Presented by:

Mr. John Crum

Department 50 Acquisition Manager

- 30 January 2025 -

Distribution Statement A: Approved for Public Release; distribution is unlimited.



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



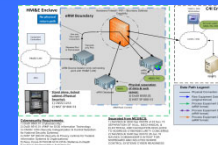
HM&E Cybersecurity

- 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

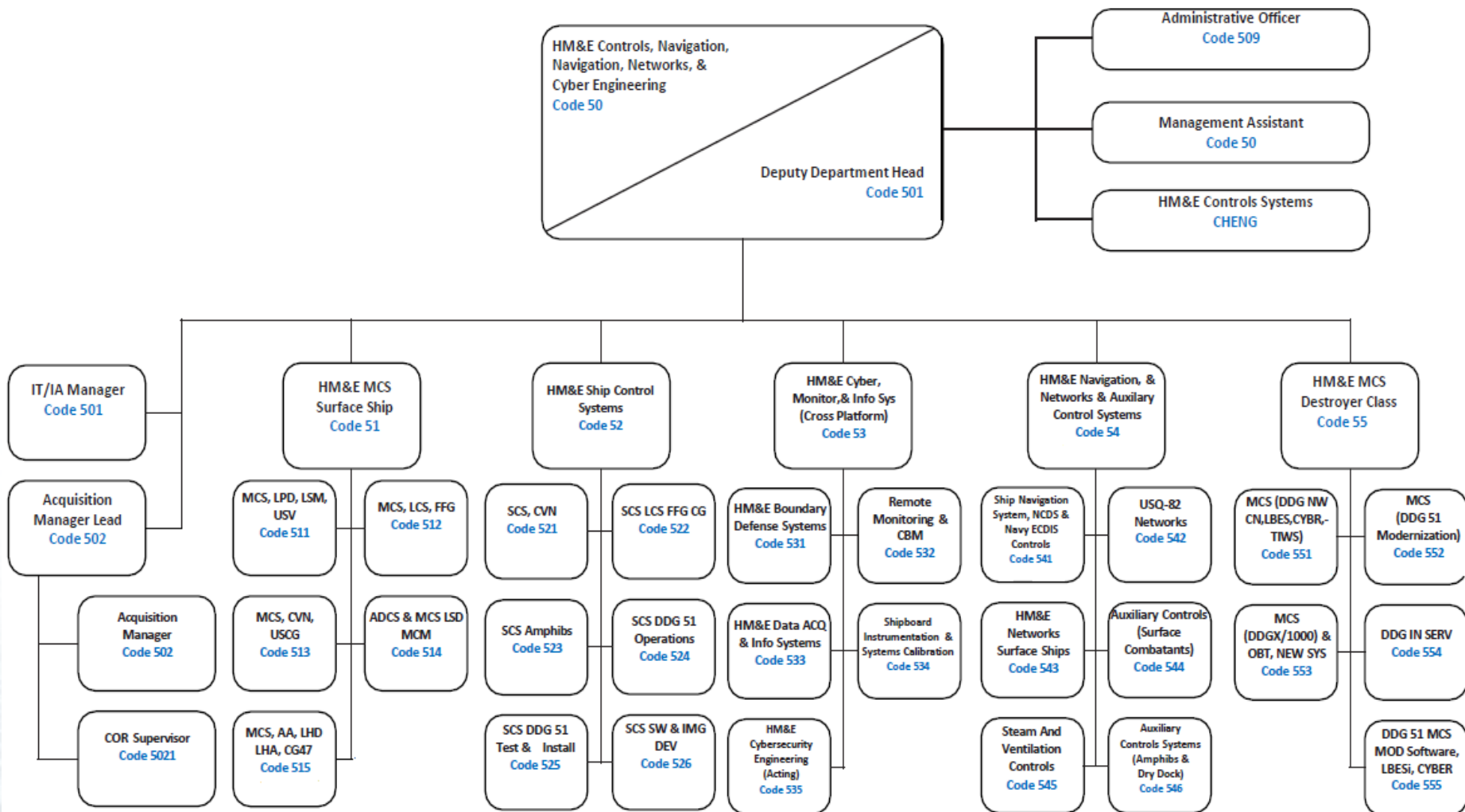


OBT & Sim/Stim Capabilities

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



Cybersecure HM&E Control Systems & Networks Department – Code 50 Organizational Chart





Department 50 Anticipated Competitive Contract Requirements

Requirement Title	Anticipated Total Value	Anticipated Contract Type	Anticipated Procurement Instrument	Anticipated Solicitation Release	Follow-On	Existing Contract Number	Tech Code
LCS DAU Panels Material IDIQ	\$50M - \$100M	Fixed Price	Single-Award Indefinite-Delivery	FY25 Q2	No	N/A	512
Computer Hardware for Tank Level Indicators (TLIs) and Associated Services	\$7.5M - \$50M	Fixed Price	Single-Award Indefinite-Delivery	FY25 Q2	Yes	N6449817D0014 (NAG, LLC)	544
HM&E Control Systems Support Services SEAPORT	\$50M - \$100M	Cost-Reimbursement	Seaport	FY25 Q2	Yes	N6449821D4017 N6449822F3116 (GreenXT) N6449821D4017 N6449821F3122 (GreenXT) N6449821D4017 N6449822F3133 (GreenXT)	512
Amphibious Ships HM&E Machinery Control Systems SEAPORT	\$50M - \$100M	Cost-Reimbursement	Seaport	FY25 Q2	No	N/A	511, 515
DDG New (SCN), DDG-X, DDG-1000, PIMCS, OBT Support Services SEAPORT	\$100M - \$250M	Cost-Reimbursement	Seaport	FY25 Q2	No	N/A	551, 553
DDG Modernization and In Service Support Services SEAPORT	\$100M - \$250M	Cost-Reimbursement	Seaport	FY25 Q2	No	N/A	552, 554

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Department 50 Anticipated Competitive Contract Requirements

Requirement Title	Anticipated Total Value	Anticipated Contract Type	Anticipated Procurement Instrument	Anticipated Solicitation Release	Follow-On	Existing Contract Number	Tech Code
Situational Awareness, Boundary Enforcement and Response (SABER), Cyber Vulnerability Assessment Tool (CVAST), and Development, Security, and Operations (DevSecOps) Engineering Services Support SEAPORT	\$50M - \$100M	Cost Reimbursement	Seaport	FY25 Q2	Yes	N6449820F3006 (EHS - SABER) N5449820F3005 (GBS – CVAST) N6449821F3003 (Noblis – DevSecOps)	531, 535
VPX Chassis Material IDIQ (<i>LHD/A tech refresh</i>)	\$7.5M - \$50M	Fixed Price	Single-Award Indefinite-Delivery	FY25 Q2	No	N/A	515
VPX Accessories Material IDIQ (<i>LHD/A tech refresh</i>)	\$7.5M - \$50M	Fixed Price	Single-Award Indefinite-Delivery	FY25 Q2	No	N/A	515
Input/Output Cards Material IDIQ (<i>LHD/A tech refresh</i>)	\$7.5M - \$50M	Fixed Price	Single-Award Indefinite-Delivery	FY25 Q2	No	N/A	515
Follow-on services IDIQ for Northrop Grumman support for ECDIS-N, Navigation, and Steering & Propulsion programs	\$7.5M - \$50M	Cost Reimbursement	Single-Award Indefinite-Delivery	FY25 Q2	Yes	N6449820D4026 (Northrop Grumman)	D50
D50 Blue Collar MAC Follow-on	\$100M - \$250M	Cost-Reimbursement	Multiple-Award Indefinite-Delivery	FY25 Q3	Yes	N64498-21-D-4023 (Amees Bay) N64498-21-D-4024 (American Systems) N64498-21-D-4025 (Continental Tide) N64498-21-D-4026 (Delphinus) N64498-21-D-4027 (Epsilon) N64498-21-D-4028 (GDIT) N64498-21-D-4029 (LPI) N64498-21-D-4030 (Oceaneering) N64498-21-D-4031 (QED)	D50
Siemens RuggedCOM Hardware IDIQ	\$7.5M - \$50M	Fixed Price	Single-Award Indefinite-Delivery	FY25 Q3	Yes	N6449820D4023 (Lyme Computer Systems, Inc)	543



Department 50 Anticipated Competitive Contract Requirements

Requirement Title	Anticipated Total Value	Anticipated Contract Type	Anticipated Procurement Instrument	Anticipated Solicitation Release	Follow-On	Existing Contract Number	Tech Code
D50 Cyber + RMF Services Seaport follow-on	\$50M - \$100M	Cost Reimbursement	Seaport	FY25 Q4	Yes	N0017819D7104 N6449821F3035 (Aluttiq)	D50
Amphib and CVN Navigation and Steering Control Systems Seaport	\$7.5M - \$50M	Cost-Reimbursement	Seaport	FY25 Q4	Yes	N0017804D4078 N6449819F3006 (Noblis) N6449821D4047 N6449822F3119 (LCE) N6449821D4048 N6449822F3161 (Noblis) N6449821D4047 N6449823F3023 (LCE) N6449821D4047 N6449824F3077 (LCE) N6449821D4047 N6449824F3075 (LCE) N6449821D4047 N6449823F3085 (LCE)	521/523
Software Engineering Services for Condition Based Maintenance (CBM) Seaport	\$7.5M - \$50M	Cost-Reimbursement	Seaport	FY25 Q4	Yes	N0017804D4033 N6449819F3005 (Delphinus)	532
Ship Navigation and Integrated Bridge Engineering Services	\$7.5M - \$50M	Cost-Reimbursement	Seaport	FY25 Q4	Yes	N0017819D8085 N6449821F3045 (Noblis)	522



Department 50 Anticipated Competitive Contract Requirements

Requirement Title	Anticipated Total Value	Anticipated Contract Type	Anticipated Procurement Instrument	Anticipated Solicitation Release	Follow-On	Existing Contract Number	Tech Code
Navigation Critical Distribution System (NCDS) Engineering Support Services Seaport	\$7.5M - \$50M	Cost-Reimbursement	Seaport	FY25 Q4	Yes	N6449821D4048 N6449822F3077(Noblis)	541
Ship Navigation and Integrated Bridge Engineering Services Seaport	\$7.5M - \$50M	Cost-Reimbursement	Seaport	FY25 Q4	Yes	N0017819D8085 N6449821F3045 (McKean / Noblis)	522
Network Engineering Services Support Seaport	\$7.5M - \$50M	Cost-Reimbursement	Seaport	FY26 Q1	Yes	N0017819D8168 N6449822F3001 (NDI Engineering) N0017819D7566 N6449823F3040 (EHS)	542, 543
Network Switch Racks IDIQ	\$7.5M - \$50M	Fixed Price	Single-Award Indefinite-Delivery	FY26 Q1	No	N/A	541
Input-Output Controllers (IOCs) Material IDIQ (<i>new IOCs</i>)	\$2M - \$7.5M	Fixed Price	Single-Award Indefinite-Delivery	FY26 Q1	No	N/A	541
Input-Output Controllers (IOCs) Upgrade Kits Material IDIQ (<i>upgrading older IOCs</i>)	\$2M - \$7.5M	Fixed Price	Single-Award Indefinite-Delivery	FY26 Q1	No	N/A	541



Industry Day Brief Department D70

Major Test Programs/Industrial Support

Presented to:

Industry Day

Presented by:

Mario D'Adamo, Lead Acquisition Manager

- 30 January 2025 -

Distribution Statement A: Approved for public release: distribution unlimited



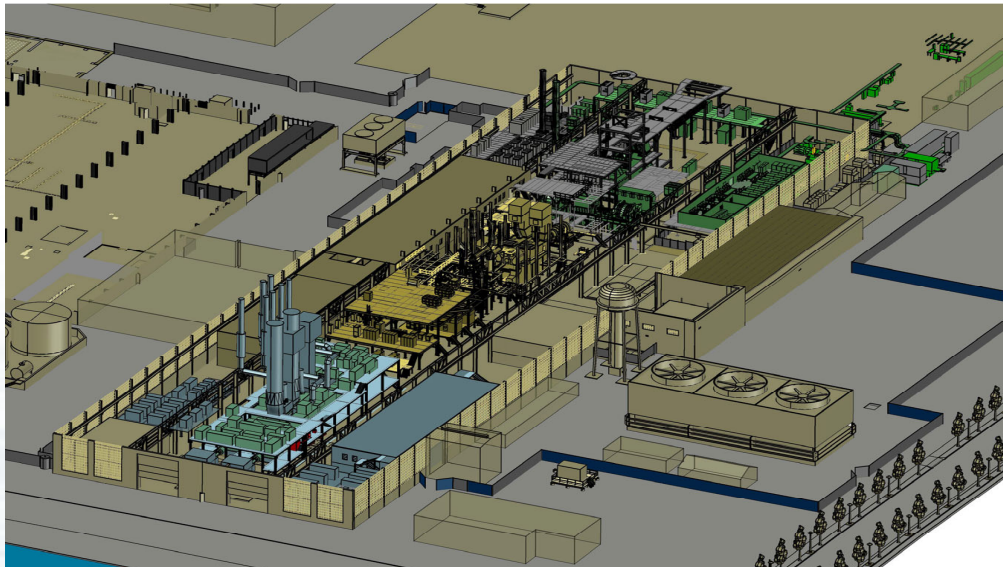
Department 70 Major Test Programs and Industrial Support

Mission Statement:

The Major Test Programs and Industrial Support Department provides management and execution of the NSWCPD Land Based Engineering Site (LBES) Enterprise tasking.

VISION STATEMENT:

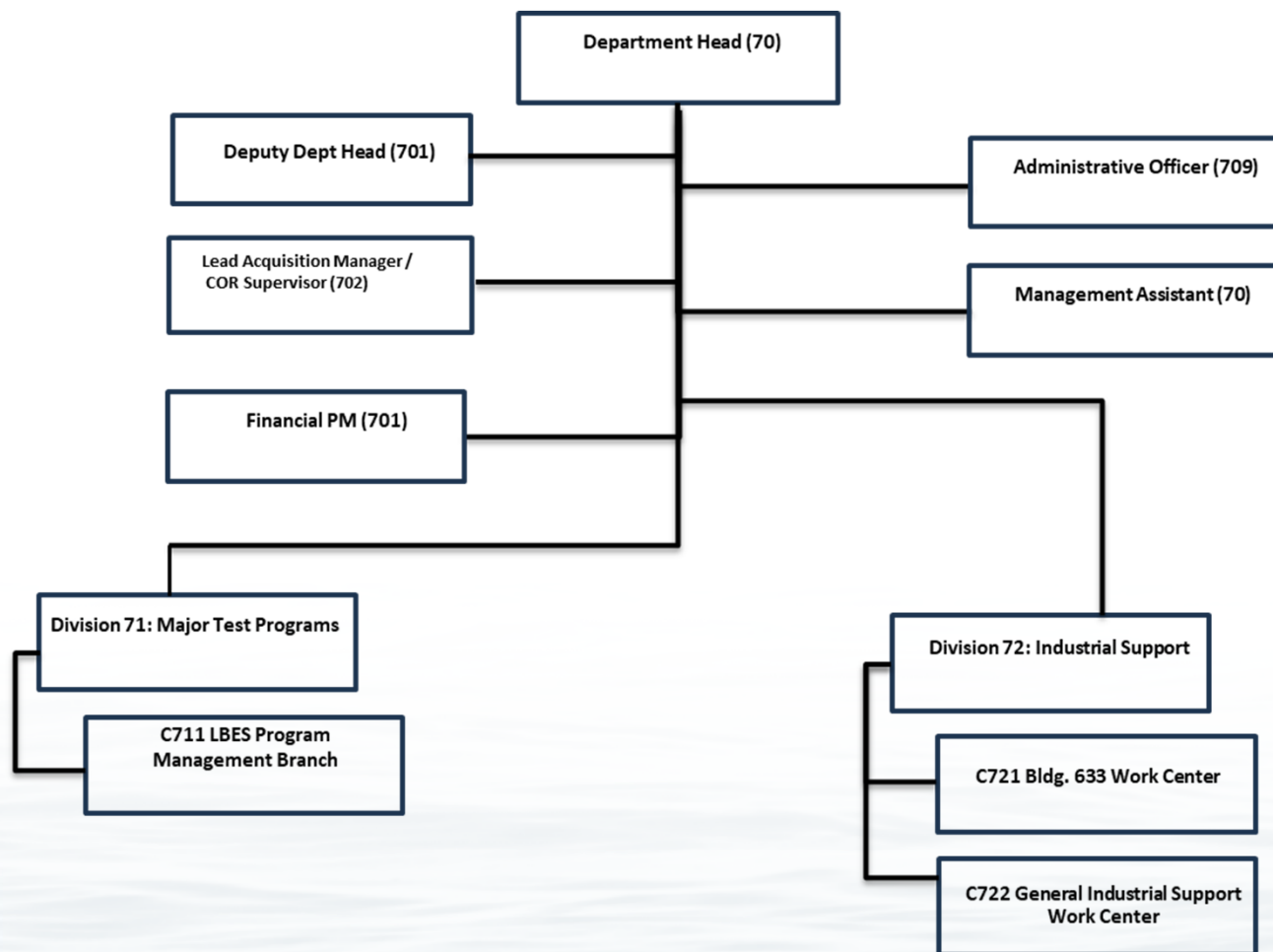
Strive to deliver unparalleled test program development and sustainment solutions, backed by top-tier engineering, program management, and a highly skilled industrial workforce, ensuring seamless machinery integration and test program success.



Distribution Statement A: Approved for Public Release



Department 70 (Org Chart)



Distribution Statement A: Approved for Public Release



Competitive Contract Requirements Division

71 Projected FY25 Announcements

Description	ROM	Type	Contract Vehicle	Projected Announcement Site	Follow On	Anticipated Announcement Date (FY/QTR)	Requiring Technical Code
480V Low Voltage (LV) Load Banks	\$2M – \$7.5M	FFP	Large Contract	SAM	No	FY25 Q3	71
Automatic Bus Transfer Switches (ABTs)	<\$2M	FFP	Large Contract	SAM	No	FY25 Q3	71
Dynamometers	<\$2M	FFP	Large Contract	SAM	No	FY25 Q3	71
Gas Turbine Intake/Uptake Ductwork	<\$2M	FFP	Large Contract	SAM	No	FY25 Q3	71
Medium Voltage Switch Gear (DDG(X))	<\$2M	FFP	Large Contract	SAM	No	FY25 Q3	71
Test Site Equipment Cabling	<\$2M	FFP	Large Contract	SAM	No	FY25 Q3	71
Facility Uninterrupted Power Supply (UPS)	<\$2M	FFP	Large Contract	SAM	No	FY 25 Q3	71
Medium Voltage (MV) Load Banks	<\$2M	FFP	Large Contract	SAM	No	FY 25 Q3	71
Medium Voltage Switch Gear (FFG 62)	<\$2M	FFP	Large Contract	SAM	No	FY 25 Q3	71
Manual Bus Transfer Switches (MBTs)	<\$2M	FFP	Large Contract	SAM	No	FY 25 Q3	71
4160V/480V (QTY 3), 4160V/450V (QTY 1) Transformers	<\$2M	FFP	Large Contract	SAM	No	FY 25 Q3	71
Heat Exchangers	<\$2M	FFP	Large Contract	SAM	No	FY 26 Q1	71
13.2kV/4160V Transformer	<\$2M	FFP	Large Contract	SAM	No	FY26 Q1	71
Business Operations/Engineering Services	\$7.5M – \$50M	CPFF	Large Contract	SAM	No	FY26 Q2	71

Distribution Statement A: Approved for Public Release



Competitive Contract Requirements Division

71 Projected FY 25/26 Announcements

Description	ROM	Type	Contract Vehicle	Projected Announcement Site	Follow On	Anticipated Announcement Date (FY/QTR)	Requiring Technical Code
LBES Outfitting and Installation	\$96M	CPFF	IDIQ MAC	SEAPORT	No	FY25 Q1/Q2	71

Reference: NOT INCLUDED

Distribution Statement A: Approved for Public Release



Small Business

Presented to:

NSWCPD Industry Day

Presented by:

Ms. Christie L. Colaianni

Deputy for Small Business

- 30 January 2025 -

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



Overview

- Deputy for Small Business (DSB) role
- Small Business Professional Authorized Representatives (SBPARs)
- Interaction with the Small Business Administration (SBA)
- How to do business with NSWCPD



Small Business Targets

FY	SB %	SB Target	SDB %	SDB Target	SDVOSB %	SDVOSB Target	WOSB %	WOSB Target	HubZone %	HubZone Target
22	44.70%	46%	4.53%	5.50%	0.51%	0.50%	2.12%	2.10%	1.39%	0.90%
23	47.66%	44.50%	5.09%	4%	1.69%	0.40%	2.03%	2%	2.49%	0.90%
24	48.67%	45%	6.22%	4%	1.68%	0.40%	3.01%	2%	2.42%	1%

- FY25 Small Business Targets

Small Business, 47.01%

Small Disadvantaged Business, 5.00%

Service Disabled Veteran Owned Small Business, 1.00%

Woman Owned Small Business, 2.20%

HubZone, 1.50%



Small Business Spend in FY24

NAICS	NAICS Description	FY24 Dollars
336611	SHIP BUILDING AND REPAIRING	\$135M
541330	ENGINEERING SERVICES	\$128M
561210	FACILITIES SUPPORT SERVICES	\$12M
333611	TURBINE AND TURBINE GENERATOR SET UNITS MANUFACTURING	\$9M
334210	TELEPHONE APPARATUS MANUFACTURING	\$7M

In FY24, Total Eligible Dollars decreased by 1.09%; however, SB Dollars saw growth of 0.99%!



On the Horizon

- PIEE Solicitation Module- get ready, coming soon
- Centralized Forecasting via General Services Administration (GSA) Forecast of Contracting Opportunities (FCO)



Upcoming Events

- 11-13 Feb 25, National Small Business Conference in New Orleans, LA
 - 26 Feb 25, FY25Q2 SB Roundtable (virtual)
 - 7-9 Apr 25, SeaAirSpace in National Harbor, MD
-
- Small Business Innovation Research (SBIR)/ Small Business Technology Transfer (STTR) Industry Outreach event



Resources

- Apex Accelerators
- SBA Business Development
- NAVSEA's Long Range Acquisition Estimate (LRAE)
- SAM.gov
- SeaPort-NxG
- DoN OSBP Newsletter

<https://mailchi.mp/9749ed42e270/donosbpsubscribe>

- NSWCPD Small Business Website

<https://www.navsea.navy.mil/Home/Warfare-Centers/NSWC-Philadelphia/Partnerships/Small-Business-Office/>

- NSWCPD's Small Business Database





QUESTIONS

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



Christie L. Colaianni
Deputy for Small Business
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215-384-5624 (cell)
215-897-1883 (desk)



MSTIC Other Transaction Authority

Presented to:

2024 Industry Day

Presented by:

Rosemary Shuman and Jacob Udell

MSTIC Agreements Officer and MSTIC Program Manager

- 30 January 2025 -

DISTRIBUTION A: Distribution authorized for public release – January 2024



MSTIC OTA

Technology Areas

COTS Obsolescence
and Tech Refresh
Product Development

Data Transformation

Cyber

Fleet Introduction
Technologies

Waterfront Industrial
Support Operations

Asset Fabrication,
Revitalization
(Remanufacturing)
and Packaging
Innovations

Logistic and Supply
Chain Management

Research and
Development

Top Topics

- Additive Manufacturing / 3D Printing
- Data Transformation
- Asset Fabrication, Revitalization, and Packing Innovation
- Power Distribution
- Controls
- Electric Actuators



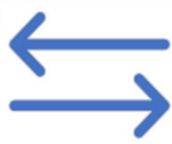
Seven (7)
Events



95 SONs
issued



~\$147M
obligations



66 Project
Awards



Users: NSWCPD,
NSWCCD, USNA



145 days PALT
[In-Cycle & ADHOC]



~414 EWP's
Received



544 Members
81% nontraditional



Other Transaction Authority

SEEKING INNOVATIVE TECHNOLOGIES?

MARITIME SUSTAINMENT TECHNOLOGY AND INNOVATION CONSORTIUM (MSTIC) (mstic.org)

N64498-21-9-0001

WHAT IS IT?

The primary goal of Other Transactions (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

MSTIC Status

- Current Membership: 544, 81% nontraditional defense contractor

FY 25 Cycle 2

- Project Cut Off Date: February 16th
- Industry Day: March 11th – March 13th in Downtown Philadelphia
- Expected Award: August 2025
- Go to MSTIC.org/how-to-join to join the MSTIC consortium. Must be a member to submit to projects.



GOT QUESTIONS? WE CAN HELP!

Rosemary Shuman, Agreements Officer

Jacob Udell, OT Program Manager

DISTRIBUTION A: Distribution authorized for public release – January 2024



Our Progress So Far

Tech Bridges In Action: Powering Capability Acceleration

Tech Bridges feature a physical collaboration space in a commercial location, rather than on base or in a Naval Laboratory.

These accessible locations allow Tech Bridges to host targeted events for the local ecosystem — each with a clear intention that yields meaningful collisions for the DON and for ecosystem attendees.

“This is long overdue. [NavalX Tech Bridges] have the center of the universe that the rest of us orbit around.”

Mr. Jimmy Smith, OSBP

Distinguishing Objectives

In service of the U.S. Navy and Marine Corps



Sourcing: Sourcing problems and new technologies/vendors



Connection: Connecting relevant technologies with problem owners and relevant ecosystem members



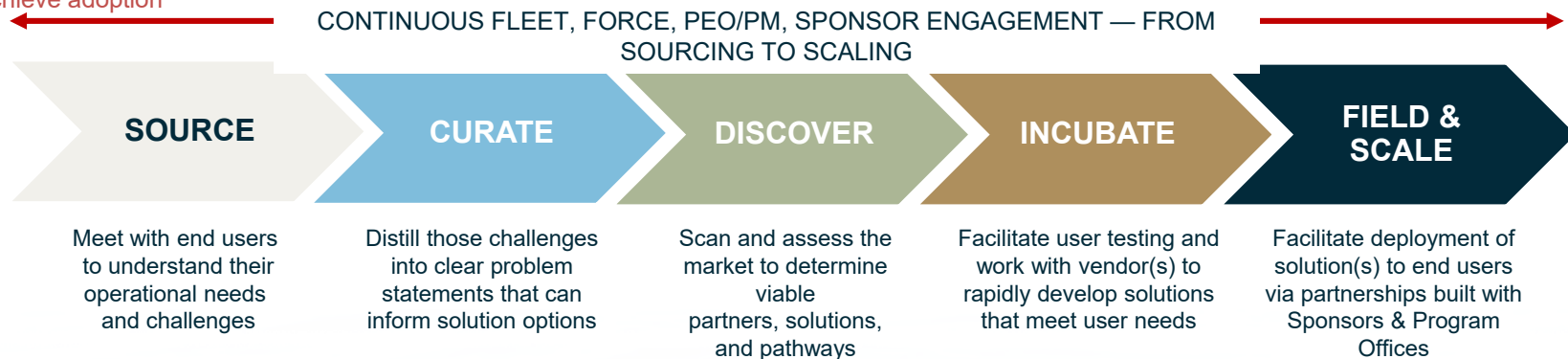
Collaboration: Engaging and increasing information sharing across the ecosystem



How We Work

Human-Centered Design to Scale Innovation

Repeatable steps to achieve product-mission fit to solve operator-defined problems in a way that builds a coalition of aligned stakeholders to achieve adoption



Capability Readiness Assessment

Prototype-to-Production Readiness Checkpoints





How We Work

Tech Bridge Network

Tech Bridges act as the front door for academia, startups, small businesses, and local experts to collaborate with the United States Navy and Marine Corps.

This network of 18 regional offices — located domestically and internationally — focuses on unique local capabilities and expertise. Through this engagement, we build partnerships with local governments, economic development organizations, academic institutions, small businesses, and other critical affinity groups.



CENTRE <ul style="list-style-type: none"> Advanced Manufacturing Explosive Ordnance Disposal (EOD) Modeling & Simulation Naval Architecture 	CENTRAL COAST <ul style="list-style-type: none"> Applied AI/ML Automation/Robotics Autonomous Systems Data Analytics Power/Energy Meteorology 	CENTRAL FLORIDA <ul style="list-style-type: none"> Advanced Mission LVC Technologies Human-Machine Teaming Human Performance Modeling & Simulation Training Science & Tech Electronic Warfare Hypersonics Microelectronics Power/Energy 	EASTERN NORTH CAROLINA <ul style="list-style-type: none"> Advanced Manufacturing Automation/Robotics Maintenance/Repair Sustainment Technical Insertion VR/Mixed Reality 	GULF COAST <ul style="list-style-type: none"> Applied AI/ML Coastal/Ocean Sciences Data Analytics Meteorology Sensing/Prediction Uncrewed Systems 	HAWAII <ul style="list-style-type: none"> C5ISR Power/Energy Resilience Space Systems 	INLAND EMPIRE <ul style="list-style-type: none"> Data Analytics Data Environments Data Visualization Measurement Tech 	JAPAN <ul style="list-style-type: none"> Advanced Manufacturing Assured Communications Cyber 	LIBERTY <ul style="list-style-type: none"> Cyber Data Environments Digital Engineering Machinery Controls Maintenance/Repair Measurement Tech Shipboard Robotics Sustainment
LONDON <ul style="list-style-type: none"> Autonomous Systems Immersive Technologies Power & Energy Workforce of the Future Maintenance & Sustainment 	MID-ATLANTIC <ul style="list-style-type: none"> Advanced Manufacturing Autonomous Systems Cyber Human Performance Ship Design Uncrewed Systems 	MIDWEST <ul style="list-style-type: none"> Training Science & Tech Electronic Warfare Hypersonics Microelectronics Power/Energy 	NORTHEAST <ul style="list-style-type: none"> Acoustics/Signals Bioscience Technology Coastal/Ocean Sciences Material Science Sensing/Prediction Uncrewed Systems 	NORTHWEST <ul style="list-style-type: none"> Automation/Robotics Data Analytics Test & Evaluation Uncrewed Systems 	PALMETTO <ul style="list-style-type: none"> Applied AI/ML Assured Communications Autonomous Systems Cyber ISR LVC Technologies 	SAN DIEGO <ul style="list-style-type: none"> Bioscience Technology C5I Maintenance/Repair Power/Energy Resilience Sustainment Uncrewed Systems 	SOUTHERN MARYLAND <ul style="list-style-type: none"> Autonomous Systems LVC Technologies Modeling & Simulation Uncrewed Systems 	VENTURA <ul style="list-style-type: none"> Advanced Manufacturing Autonomous Systems Maintenance/Repair Sustainment Uncrewed Systems VR/Mixed Reality



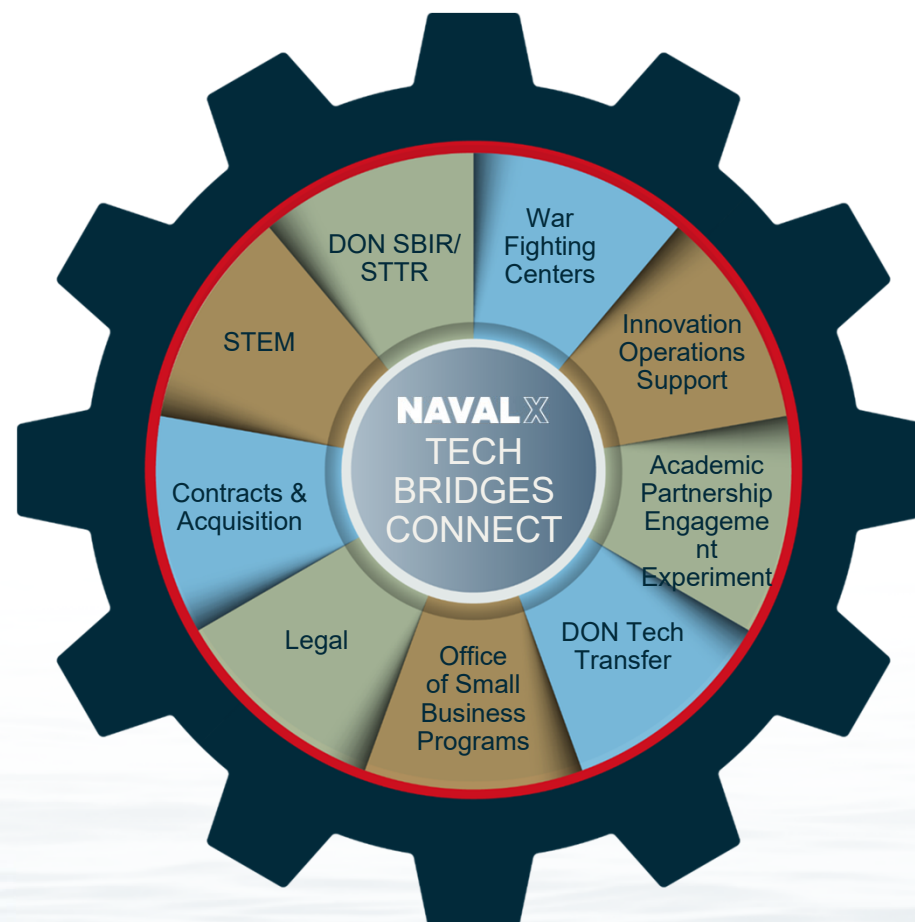
How We Work

Catalyzing the Tech Bridge Network

By connecting and providing access to critical resources and knowledge, NavalX can force-multiply and scale the impact of Tech Bridges.

The Tech Bridges play two primary roles in support of the NavalX vision:

- (1) connecting Fleet-Marine problem owners with solution providers, and***
- (2) connecting Fleet-Marine problem owners with the resources needed to effectively assess these solutions.***

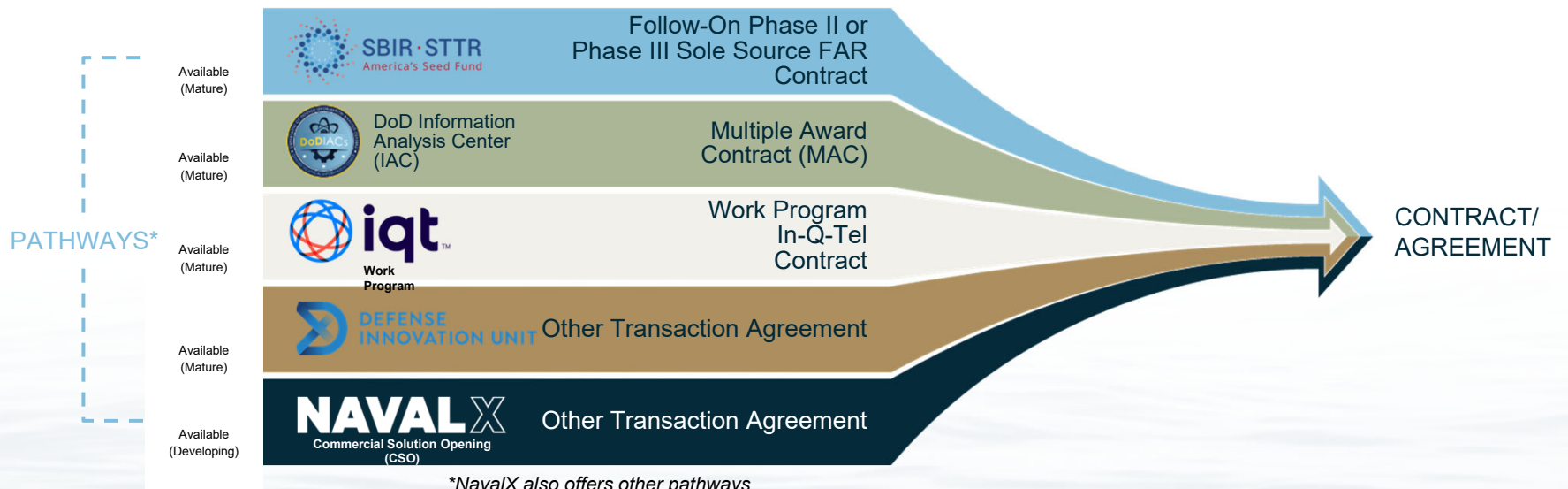




Contract & Agreement Pathways

In the Discover Phase, the goal of NavalX is to:

- Discover which Pathway(s) can best be leveraged to rapidly move compelling solutions forward
- Enter a contract or agreement with targeted solution providers



Through the Tech Transfer (T2) Program, NavalX also facilitates Cooperative Research and Development Agreements (CRADAs) that enable solution providers to collaborate on research and development efforts without FAR selection criteria, terms, and conditions.

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For more info



**NavalX
Network**



**NavalX
Tech Bridge
Network**



**Liberty Tech
Bridge**



Q&A

Q & A

Industry Day Feedback

- <https://forms.osi.apps.mil/r/pLGZaezZ1i>

NSWC Philadelphia Jan 2025
Industry Day Exit Survey





Networking Session

Industry Day Feedback

- <https://forms.osi.apps.mil/r/pLGZaezZ1i>

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