



NAVAL SURFACE WARFARE CENTER PHILADELPHIA DIVISION

DEPARTMENT 20 OVERVIEW AND CONTRACTS FORECAST

Debra Dezendorf

Machinery Programs & Platforms Acquisition Manager

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 support the Commands core equities and technical capabilities, which will 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.

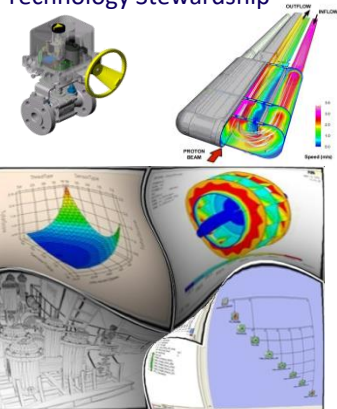
Full Spectrum Engineering

Build An Affordable Future Fleet

Sustain the Current Fleet

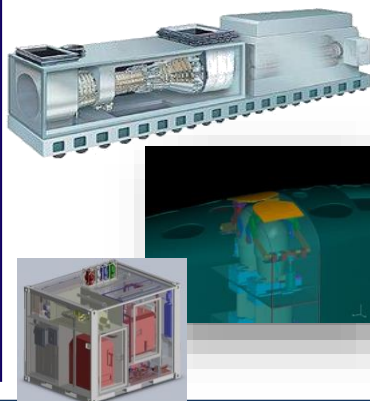
Science & Technology

- Applied Research
- System Research/Analysis
- Concept Exploration and Design Studies
- Distributed Computation & Predictive Modeling
- Systems Technology Development Roadmaps
- Cooperative Research with Industry and Academia
- Technology Stewardship



Research & Development

- Proof of Concepts
- Hardware & Component Development
- Proof of Principle Demonstrations
- Advanced Machinery Systems Integration
- Analysis of Alternatives
- Center for Innovative Machinery Design and Integration (CIMDI)



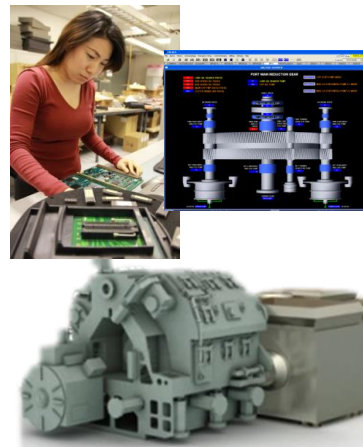
Test & Evaluation

- Over 120 Test Facilities
- Full Scale Machinery System Testing
- Total Life Cycle HM&E System Design, Test, and Evaluation
- Shipboard System Testing
- Qualification Testing
- Operational Assessment
- Systems and Software Verification and Validation



Engineering

- Systems Engineering
- Software Development
- Integrated Systems Design
- Ship Design and Acquisition Support
- Life Cycle Management and Technical Health Assessment
- Modeling and Simulation



Fleet Support

- Emergent Engineering Support
- Ship Modernization
- Integrated Logistics Products
- Machinery Maintenance Requirements
- Condition Based Maintenance and Assessment
- Training



Facility Complexes

Propulsion & Power Systems



Auxiliary & Life Support Systems



Machinery Network, Sensors & Undersea Vehicle Sail & Deployed Systems



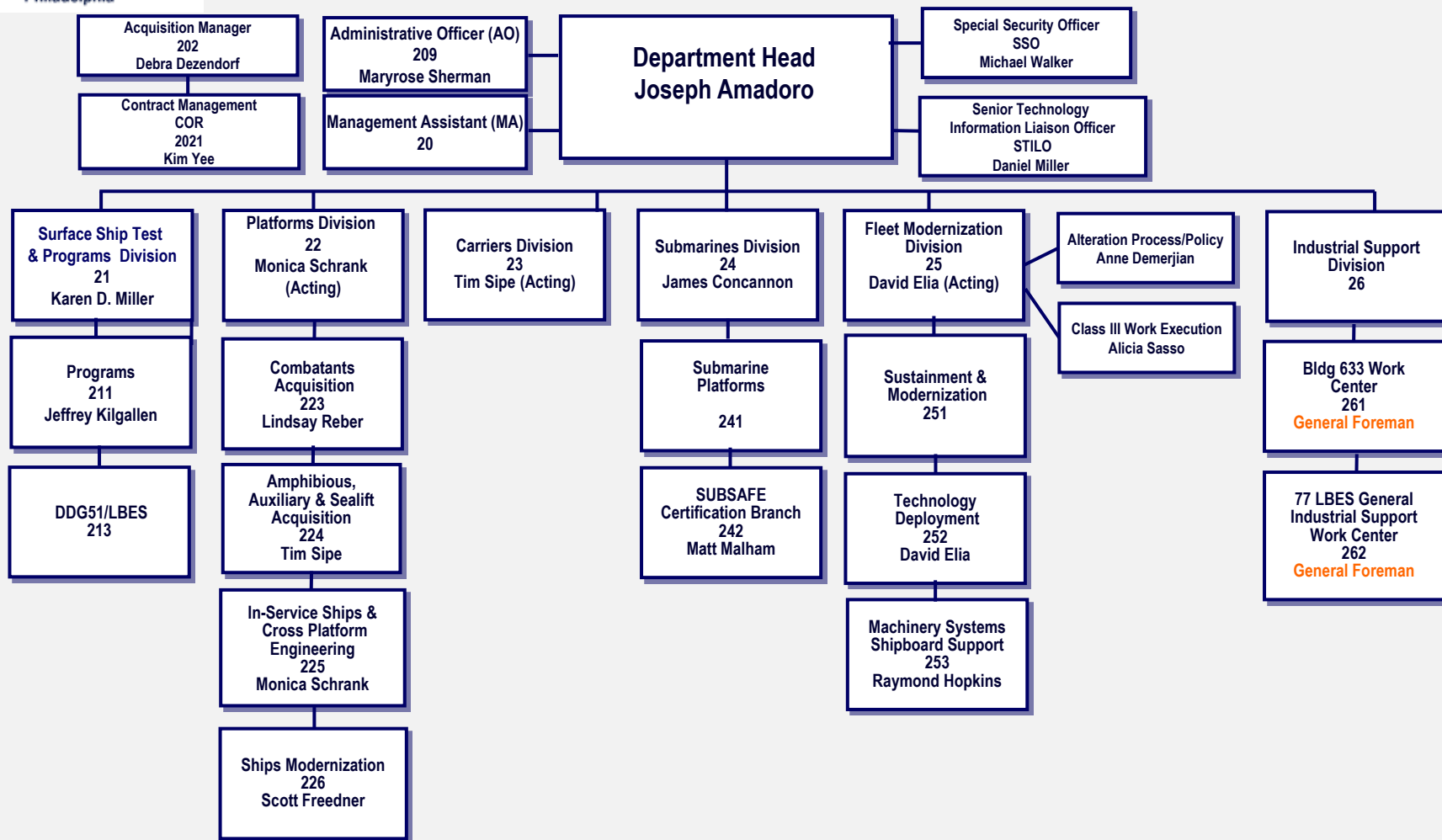
Cargo, Weapons Handling & Hull Systems





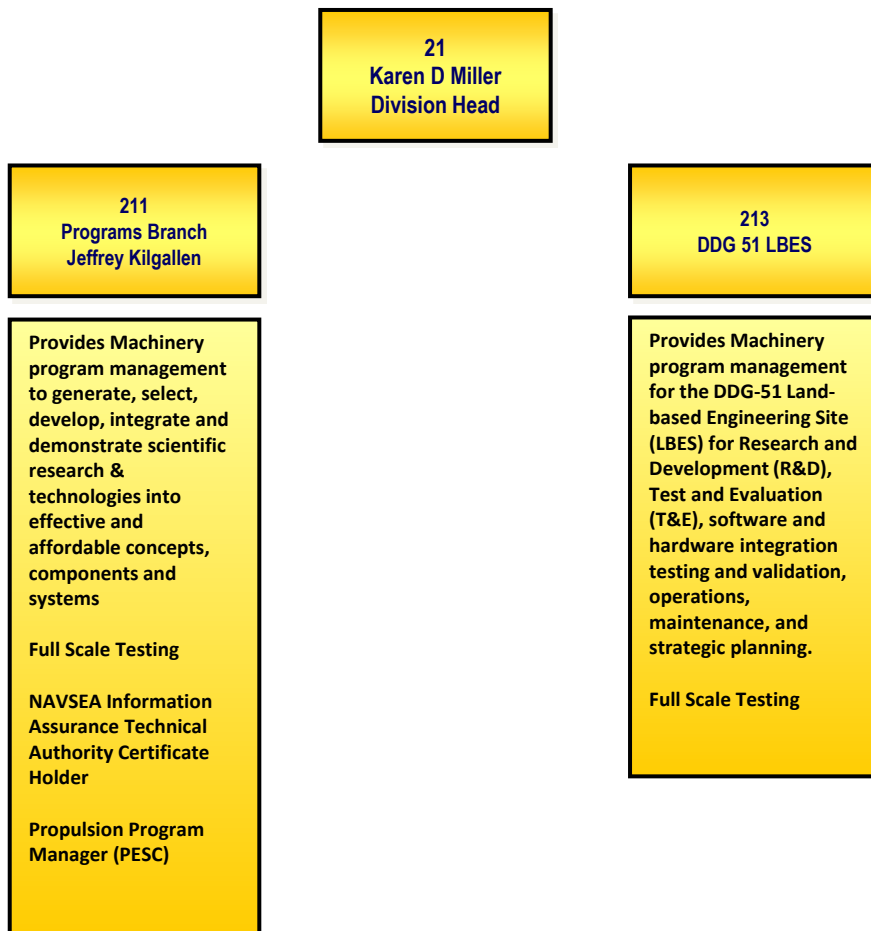
Department 20

Machinery Programs & Platforms

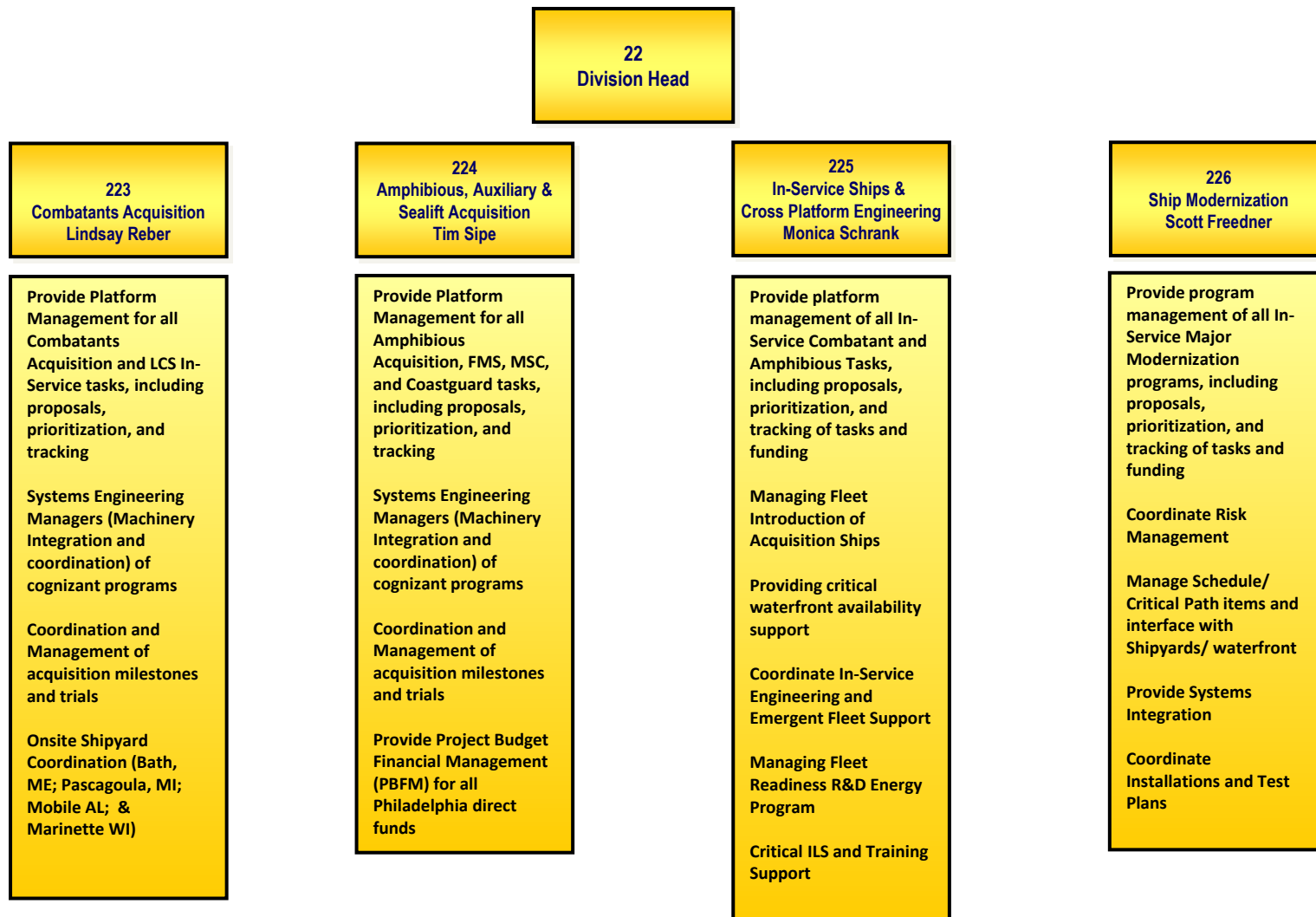


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Division 21 – Surface Ship Test & Programs Division



Division 22– Platforms Division



Division 23 Carriers Division

23

Carriers Division
Jim DiTaranto

Provide Platform
Management for all Navy
Aircraft Carrier tasks,
including proposals,
prioritization, and tracking of
all efforts

Provide system integration
across all Carrier tasks

Coordinate In-Service
Engineering and Emergent
Fleet Support

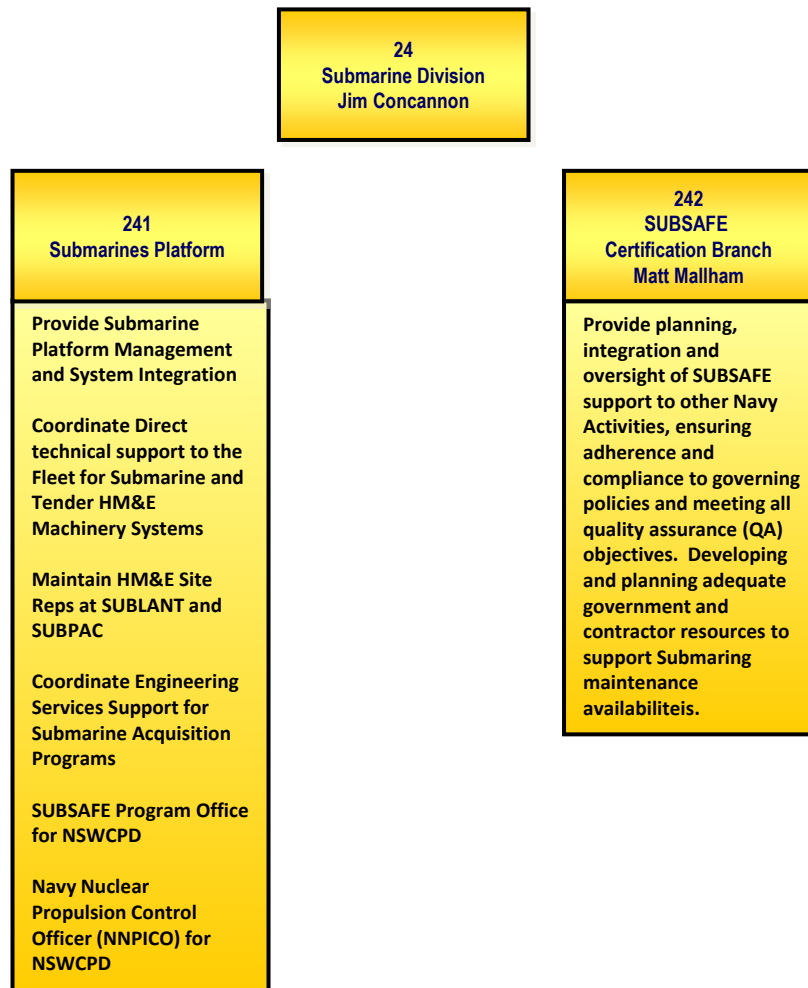
Plan and execute Carrier
Modernization programs

Coordinate Refueling and
Complex Overhaul (RCOH)
support

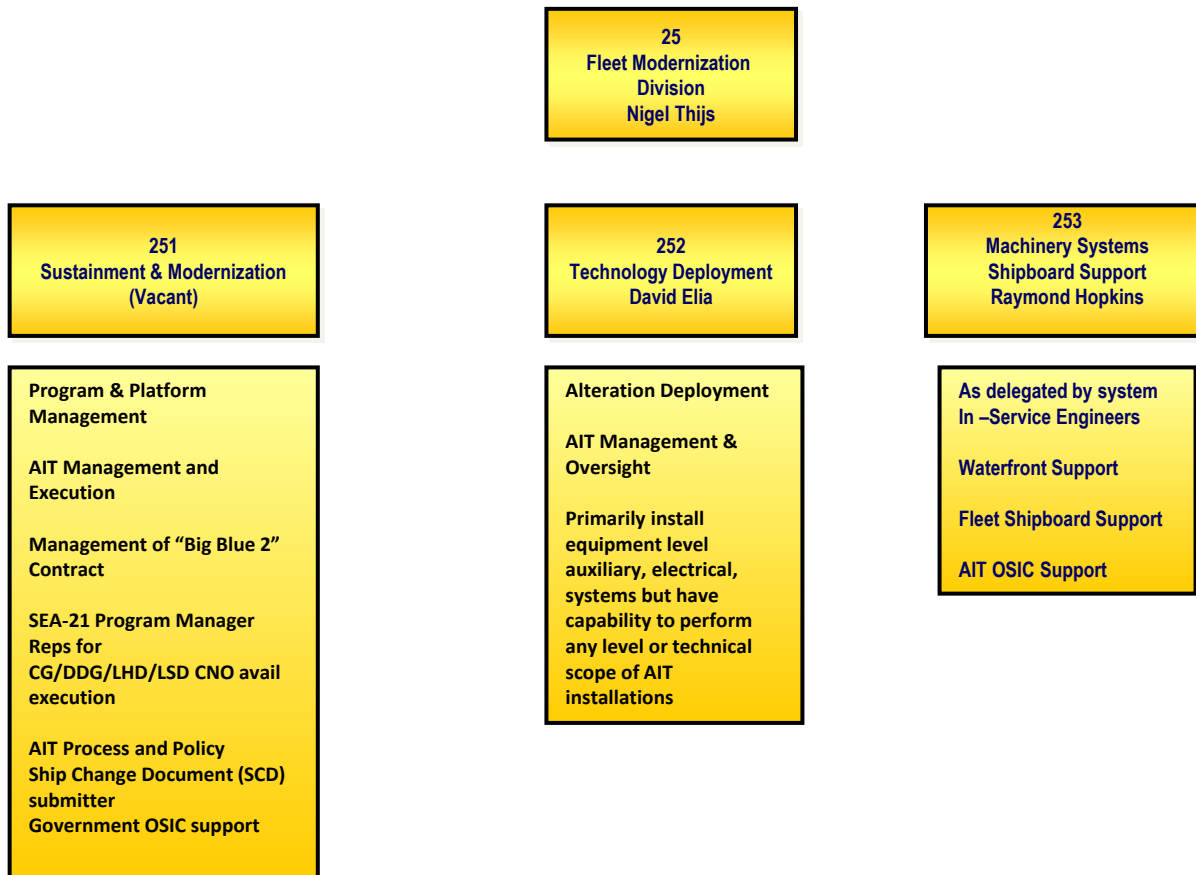
Manage the Carrier PRE-PRL
efforts

Oversee CVN-78 Fleet
Transition

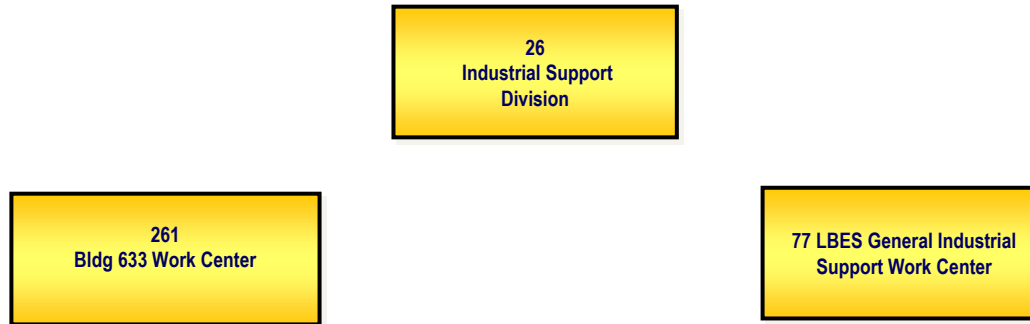
Division 24 Submarines Division



Division 25 Fleet Modernization Division



Division 26 Industrial Support



Contracts Support

202
Acquisition Manager
Debra Dezendorf

COR Supervisor
Kim Yee

Description	ROM	Anticipated Announcement Date (FY/QTR)	Requiring Technical Code
Business Operations Services (Program Management, Admin, Financial, Quality, Logistics & Training)	< \$20M	FY18/Q4	21
Design and Evaluation Services	< \$40M	FY19/Q1	21
Engineering Support Services	< \$ 50M	FY19/Q1	21
Electrical/Fire Retardant Uniform Services (Laundering, Inspection & Replacement)	< \$5 M	FY 19/Q1	21

Description	ROM	Anticipated Announcement Date (FY/QTR)	Requiring Technical Code
Program Management, Engineering and IT Support for Ship Programs including DDG 51, DDG100, LCS LPD, LX(R), Landing Crafts, MSC, USCG, International Program and NSWCPD Test Sites	<\$50M	FY 18/Q3	22

Description	ROM	Anticipated Announcement Date (FY/QTR)	Requiring Technical Code
Test Site Auxiliary Systems Filling, Flushing and System Cleanliness Services (Support systems such as Refrigerant, Lube Oil, Engine Systems, etc.; Provide onloading and offloading & tank storage services)	< \$50M	FY 19/Q2	21
Lube Oil and Water Quality Services (Periodic/Ad Hoc Sampling & Analysis)	< \$25M	FY 19/Q2	21
Test Site Recurring Industrial Cleaning Services (Floors, Walls, Overall Field Cleaning, Bilges, etc.)	< \$50M	FY 19/Q2	21

Description	ROM	Anticipated Announcement Date (FY/QTR)	Requiring Technical Code
Test Site Equipment and Tooling Calibration Services (Gauges, Torque Wrenches, Tooling, Test Meters, etc.)	< \$20M	FY 19/Q2	21
Long-term Service Agreement for Gas Compressor	< \$50M	FY 19/Q2	21
Test Site Hazmat Storage and Transport Services (On-Site and Off-Site Storage & Transport)	< \$50M	FY 19/Q3	21

Description	ROM	Anticipated Announcement Date (FY/QTR)	Requiring Technical Code
Provide project management, engineering, technical, alteration, repair, inspection, testing, and ILS support services to NSWCPD for Hull, Mechanical and Electrical	<\$20M	FY 18/Q4	22
Support NSWCPD cybersecurity efforts for US Navy's HM&E and Navigation-related systems on Surface Ships, Submarines, and Aircraft Carriers	<10M	FY 18/Q3	
Submarine Systems Quality Assurance	<\$20M	FY 18/Q3	24