

NAVAL SURFACE WARFARE CENTER PHILADELPHIA DIVISION

DEPARTMENT 20 OVERVIEW AND CONTRACTS FORECAST

Debra Dezendorf

Machinery Programs & Platforms Acquisition Manager



Department 20 Machinery Programs & 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 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 Research & Development Test & Evaluation Fleet Support Engineering** Proof of Concepts Applied Research Over 120 Test Facilities Systems Engineering Emergent Engineering Support Hardware & Component • System Research/Analysis Ship Modernization Software Development Full Scale Machinery System Development Concept Exploration and • Integrated Logistics Products • Integrated Systems Design **Testing** · Proof of Principle **Design Studies** • Total Life Cycle HM&E System Machinery Maintenance Ship Design and Acquisition **Demonstrations** • Distributed Computation & Design, Test, and Evaluation Support Requirements Advanced Machinery Systems **Predictive Modeling** · Shipboard System Testing · Life Cycle Management and Condition Based Maintenance Systems Technology Integration and Assessment **Technical Health Assessment** Qualification Testing Analysis of Alternatives **Development Roadmaps** Training Operational Assessment Modeling and Simulation · Center for Innovative Cooperative Research with · Systems and Software Machinery Design and Industry and Academia Verification and Validation Integration (CIMDI) Technology Stewardship

Facility Complexes

Propulsion & Power Systems



Auxiliary & Life Support Systems



Machinery Network, Sensors & Undersea Vehicle Sail
Data Systems & Deployed Systems



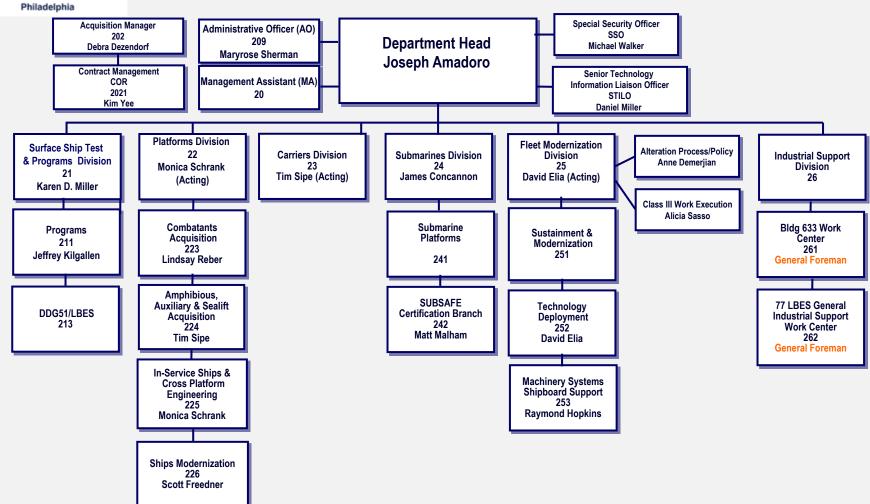
a Deployed Systems



Cargo, Weapons Handling & Hull Systems



Department 20 Machinery Programs & Platforms



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<u>Division 21 – Surface Ship Test & Programs Division</u>

21 Karen D Miller Division Head

211 Programs Branch Jeffrey Kilgallen

Provides Machinery program management to generate, select, develop, integrate and demonstrate scientific research & technologies into effective and affordable concepts, components and systems

Full Scale Testing

NAVSEA Information Assurance Technical Authority Certificate Holder

Propulsion Program Manager (PESC)

213 DDG 51 LBES

Provides Machinery program management for the DDG-51 Landbased Engineering Site (LBES) for Research and Development (R&D), Test and Evaluation (T&E), software and hardware integration testing and validation, operations, maintenance, and strategic planning.

Full Scale Testing



Division 22– Platforms Division

22 Division Head

223 Combatants Acquisition Lindsay Reber

Provide Platform
Management for all
Combatants
Acquisition and LCS InService tasks, including
proposals,
prioritization, and
tracking

Systems Engineering Managers (Machinery Integration and coordination) of cognizant programs

Coordination and Management of acquisition milestones and trials

Onsite Shipyard Coordination (Bath, ME; Pascagoula, MI; Mobile AL; & Marinette WI) 224
Amphibious, Auxiliary & Sealift Acquisition
Tim Sipe

Provide Platform
Management for all
Amphibious
Acquisition, FMS, MSC,
and Coastguard tasks,
including proposals,
prioritization, and
tracking

Systems Engineering Managers (Machinery Integration and coordination) of cognizant programs

Coordination and Management of acquisition milestones and trials

Provide Project Budget Financial Management (PBFM) for all Philadelphia direct funds 225 In-Service Ships & Cross Platform Engineering Monica Schrank

Provide platform management of all In-Service Combatant and Amphibious Tasks, including proposals, prioritization, and tracking of tasks and funding

Managing Fleet Introduction of Acquisition Ships

Providing critical waterfront availability support

Coordinate In-Service Engineering and Emergent Fleet Support

Managing Fleet Readiness R&D Energy Program

Critical ILS and Training Support 226 Ship Modernization Scott Freedner

Provide program
management of all InService Major
Modernization
programs, including
proposals,
prioritization, and
tracking of tasks and
funding

Coordinate Risk Management

Manage Schedule/ Critical Path items and interface with Shipyards/ waterfront

Provide Systems
Integration

Coordinate
Installations and Test
Plans



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

24 Submarine Division Jim Concannon

241 Submarines Platform

Provide Submarine
Platform Management
and System Integration

Coordinate Direct technical support to the Fleet for Submarine and Tender HM&E Machinery Systems

Maintain HM&E Site Reps at SUBLANT and SUBPAC

Coordinate Engineering Services Support for Submarine Acquisition Programs

SUBSAFE Program Office for NSWCPD

Navy Nuclear Propulsion Control Officer (NNPICO) for NSWCPD 242 SUBSAFE Certification Branch Matt Mallham

Provide planning, integration and oversight of SUBSAFE support to other Navy Activities, ensuring adherence and compliance to governing policies and meeting all quality assurance (QA) objectives. Developing and planning adequate government and contractor resources to support Submaring maintenance availabiliteis.



Division 25 Fleet Modernization Division

25 Fleet Modernization Division Nigel Thijs

251 Sustainment & Modernization (Vacant)

Program & Platform Management

AIT Management and Execution

Management of "Big Blue 2" Contract

SEA-21 Program Manager Reps for CG/DDG/LHD/LSD CNO avail execution

AIT Process and Policy Ship Change Document (SCD) submitter Government OSIC support 252 Technology Deployment David Elia

Alteration Deployment

AIT Management & Oversight

Primarily install
equipment level
auxiliary, electrical,
systems but have
capability to perform
any level or technical
scope of AIT
installations

253 Machinery Systems Shipboard Support Raymond Hopkins

As delegated by system In –Service Engineers

Waterfront Support

Fleet Shipboard Support

AIT OSIC Support



Division 26 Industrial Support

26 Industrial Support Division

261 Bldg 633 Work Center

77 LBES General Industrial Support Work Center



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

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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