DEPARTMENT 20
OVERVIEW AND
CONTRACTS FORECAST

Debra Dezendorf
Machinery Programs & Platforms Acquisition Manager

DISTRIBUTION STATEMENT A: APPROVED FOR PUBLIC RELEASE; DISTRIBUTION UNLIMITED.
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 Command’s 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

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 & Data Systems
- Undersea Vehicle Sail & Deployed Systems

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Division 21 – Surface Ship Test & Programs Division

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 Land-based 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

224 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

223 Combatants Acquisition
Lindsay Reber

Provide Platform Management for all Combatant Acquisition and LCS In-Service 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, MS; Mobile AL; & Marinette WI)

225 Ship Modernization
Scott Freedner

Provide program management of all In-Service 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

226 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

Provide project budget financial management and coordination of cognizant programs
Division 23 Carriers Division

- 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 Submarining maintenance availability.

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Division 25 Fleet Modernization Division

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
<table>
<thead>
<tr>
<th>Description</th>
<th>ROM</th>
<th>Anticipated Announcement Date (FY/QTR)</th>
<th>Requiring Technical Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business Operations Services (Program Management, Admin, Financial, Quality, Logistics &amp; Training)</td>
<td>&lt; $20M</td>
<td>FY18/Q4</td>
<td>21</td>
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<tr>
<td>Design and Evaluation Services</td>
<td>&lt; $40M</td>
<td>FY19/Q1</td>
<td>21</td>
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<tr>
<td>Engineering Support Services</td>
<td>&lt; $ 50M</td>
<td>FY19/Q1</td>
<td>21</td>
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<tr>
<td>Electrical/Fire Retardant Uniform Services (Laundering, Inspection &amp; Replacement)</td>
<td>&lt; $5 M</td>
<td>FY 19/Q1</td>
<td>21</td>
</tr>
<tr>
<td>Description</td>
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<td>Anticipated Announcement Date (FY/QTR)</td>
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<tr>
<td>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</td>
<td>&lt;$50M</td>
<td>FY 18/Q3</td>
<td>22</td>
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<tr>
<td>Description</td>
<td>ROM</td>
<td>Anticipated Announcement Date (FY/QTR)</td>
<td>Requiring Technical Code</td>
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<tr>
<td>Test Site Auxiliary Systems Filling, Flushing and System Cleanliness Services (Support systems such as Refrigerant, Lube Oil, Engine Systems, etc.; Provide onloading and offloading &amp; tank storage services)</td>
<td>&lt; $50M</td>
<td>FY 19/Q2</td>
<td>21</td>
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<tr>
<td>Lube Oil and Water Quality Services (Periodic/Ad Hoc Sampling &amp; Analysis)</td>
<td>&lt; $25M</td>
<td>FY 19/Q2</td>
<td>21</td>
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<tr>
<td>Test Site Recurring Industrial Cleaning Services (Floors, Walls, Overall Field Cleaning, Bilges, etc.)</td>
<td>&lt; $50M</td>
<td>FY 19/Q2</td>
<td>21</td>
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<tr>
<td>Description</td>
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<td>Anticipated Announcement Date (FY/QTR)</td>
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<tr>
<td>Test Site Equipment and Tooling Calibration Services (Gauges, Torque Wrenches, Tooling, Test Meters, etc.)</td>
<td>&lt; $20M</td>
<td>FY 19/Q2</td>
<td>21</td>
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<td>Long-term Service Agreement for Gas Compressor</td>
<td>&lt; $50M</td>
<td>FY 19/Q2</td>
<td>21</td>
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<tr>
<td>Test Site Hazmat Storage and Transport Services (On-Site and Off-Site Storage &amp; Transport)</td>
<td>&lt; $50M</td>
<td>FY 19/Q3</td>
<td>21</td>
</tr>
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<tr>
<td>Provide project management, engineering, technical, alteration, repair, inspection, testing, and ILS support services to NSWCPD for Hull, Mechanical and Electrical</td>
<td>&lt;$20M</td>
<td>FY 18/Q4</td>
<td>22</td>
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<td>Support NSWCPD cybersecurity efforts for US Navy's HM&amp;E and Navigation-related systems on Surface Ships, Submarines, and Aircraft Carriers</td>
<td>&lt;$10M</td>
<td>FY 18/Q3</td>
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<td>Submarine Systems Quality Assurance</td>
<td>&lt;$20M</td>
<td>FY 18/Q3</td>
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