DEPARTMENT 20
OVERVIEW AND
CONTRACTS FORECAST

Dan Wheeler
Machinery Programs & Platforms Deputy 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 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

Cargo, Weapons Handling & Hull Systems

Build An Affordable Future Fleet
Sustain the Current Fleet

Distribution Statement A: Approved for Public Release; Distribution Unlimited.
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.

Propulsion Systems
- Gas Turbines, Diesels,
- Steam safety
- Condition Based Maintenance
Enterprise Systems
Cyber Security Program management
Hybrid Electric Drive
Large scale Test site planning & coordinating

213
DDG 51 LBES
Jeffrey Kilgallen

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 for all DDG mod & FLTIII upgrades
Division 22– Platforms Division

22 Division Head
Andrew Stankovich

223 Combatant Acquisition
Monica Schrank

- Provide Program 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, MI; Mobile, AL; & Marinette, WI)

224 Amphibious, Auxiliary & Sealift Acquisition
Tim Sipe

- Provide Program Management for all Amphibious Ship Acquisition, and full life cycle support of Landing Craft, FMS, MSC, and Coast Guard platforms. Primary function includes management of program tasks including requirements, workload resource forecasts, work acceptance and assignment, program integration and oversight.
- Systems Engineering Managers (Machinery Integration and coordination) of cognizant programs
- Coordination and Management of acquisition milestones, acquisition phase post delivery availabilities and trials

225 In-Service Ships & Cross Platform Engineering
Monica Schrank

- Provide program 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
Tim Sipe

- Provide program management of combatant and amphibious Surface Ship 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
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
- Coordinate and manage cyber security across all Carrier tasks
Division 24 Submarines Division

241 Submarines Platform

- Provide Submarine Platform Management including proposals, prioritization, and tracking of all efforts for all Submarine programs
- Provide system integration across all Submarine tasks
- Coordinate In-Service Engineering and Emergent Fleet Support for Submarine, Tender and Floating Dry Dock HM&E Machinery Systems
- Coordinate Engineering Services Support for Submarine Acquisition and R&D Programs
- Maintain HM&E Site Reps at SUBLANT and SUBPAC
- Coordinate NAVSEA 08 Tasks

242 SUBSAFE Certification Branch

- Provide NAVSEANOTES000 SUBSAFE Supervising Authority to Oceaneering Marine Services Division (OII-MSD)
- Provide planning, integration and oversight of SUBSAFE support to other Navy Activities during availabilities, ensuring adherence and compliance to governing policies and meeting all quality assurance (QA) objectives.
- Level 1 Certifying Activity Designator (CAD) providing Level1/SUBSAFE Material certifications. Designated as (QQ).
- Submarine Antenna Quality Assurance Material (SAQAM) providing requirements and assurance for components with NSNs ending SQ
Division 25 Fleet Modernization Division

251
Sustainment & Modernization
Nancy Glaeser

- 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

25 Fleet Modernization Division
Dave Elia (Acting)
Division 26 Industrial Support

Management of blue collar personnel and associated functions
Support Test Site Operations
Test facility installation and outfitting
Test facility maintenance
Provide trade services in support of technical code labs and facilities

Management of blue collar personnel and associated functions
Support Test Site Operations
Test facility installation and outfitting
Test facility maintenance
Provide trade services in support of technical code labs and facilities
Naval Foundry and Propeller Center

Mission Statement:
Designs and manufactures advanced propulsion components for the U.S. Navy. NFPC specializes in advance propulsion engineering, castings and precision machining.
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<th>Anticipated Announcement Date (FY/QTR)</th>
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<td>ECDIS-N Maintenance</td>
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<td>19/Q3</td>
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<td>Win 10 Licenses</td>
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<td>Submarine Division Technical Support</td>
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<td>Engineering Services and Program Management for Advanced Weapons Elevator Program</td>
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## Competitive Contract Requirements - Projected 2019 NFPC Announcements

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<td>Chip Reclamation</td>
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<td>Balance Machine Services</td>
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