Industry Day Brief

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Propulsion, Power, & Auxiliary Machinery, Department 40

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Acquisition Managers C/402

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Distribution Statement A: Approved for public release: distribution unlimited
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 – Dept 40
Expanding the Advantage

**OTD of Ships/Subs**  Warfighting Capability & Reliability  Cybersecurity  Affordability  HVL

- **Auxiliary Machinery**
  - High Efficiency Small Capacity – Chiller (HES-C)
  - Thermal Management
  - Air Conditioning & Refrigeration
  - Fluid Distribution Systems
  - Compressed Air Systems/Dehydrators

- **Submarine Life Support Systems**
  - Advanced CO2 Removal Unit (ACRU)
  - Low Pressure Electrolyzer (LPE)
  - Central Atmospheric Monitoring System (CAMS)

- **Mechanical Power & Propulsion**
  - Full Scale Propulsion Testing
  - Propulsion Executive Steering Committee (PESC)
  - Marine Gas Turbine, Diesel, Steam, Power Transmission Inspector Program
  - Columbia Class Shafting / Propulsor Design Team

- **2S COG Program**
  - MGTIS/WEBLOG
  - Main Propulsion Shaft Procurement
  - Marine Gas Turbine (RADCON) Asset Restoration
  - Organic/Commercial Depot Management (MGT & Power Train Overhaul)

- **Electrical Power Architectures, Systems & Components**
  - Electrical Power Competency for Nuclear Ship Applications
  - Power Generation, Distribution, Automation
  - Electric Drive Propulsion
  - High Power Mission Load Interface

- **Electrical Plant Controls & System Modernization**
  - Engineering of Architectures, System & Component Upgrades
  - Electric Plant Management & Control System
  - Power System Protection
  - Power Electronics
  - Active Load Management

- **Hull Outfitting and Habitability**
  - Sanitary / Berthing / Food Service Habitation Repair Contracts
  - New Construction Initial Outfitting

- **Hull & Deck Machinery**
  - Advanced Weapons Elevator
  - Cargo/Weapons, Aircraft Elevators, Upgrades
  - Launch & Recovery Systems
  - Hydraulic Systems

Providing affordable, timely, quality engineering, acquisition, repair, modernization & testing services for Propulsion, Power Generation, Auxiliary, and Hull & Deck machinery systems aboard Surface Ships, Aircraft Carriers & Submarines throughout their lifecycle.

**Distribution Statement A:** Approved for public release; distribution unlimited
# Competitive Contract Requirements – Projected FY21 Announcements

<table>
<thead>
<tr>
<th>Brief Description</th>
<th>ROM</th>
<th>Anticipated Announcement Date (FY/QTR)</th>
<th>Requiring Technical Code</th>
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</thead>
<tbody>
<tr>
<td>MRS Hardware for LHDs</td>
<td>$25M</td>
<td>FY21/Q2</td>
<td>411</td>
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<tr>
<td>Engineering and OSR Support 8(a)</td>
<td>$20M</td>
<td>FY21/Q2</td>
<td>425</td>
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<tr>
<td>Engineering and Technical Services for Surface Combatant and Carrier Weapons Handling Systems</td>
<td>$25M</td>
<td>FY21/Q2</td>
<td>432</td>
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<tr>
<td>Engineering and Technical Services for Steering/Hydraulics (SEAPORT)</td>
<td>$25M</td>
<td>FY21/Q2</td>
<td>433</td>
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<tr>
<td>Engineering and Technical Services for Cranes/Boat Handling (SEAPORT)</td>
<td>$25M</td>
<td>FY21/Q2</td>
<td>433</td>
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<td>Test and Assembly of Tow Cable (Multi-year IDIQ)</td>
<td>$10M</td>
<td>FY21/Q2</td>
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<tr>
<td>LPD Small Arms Lockers Material Contract</td>
<td>$5M</td>
<td>FY21/Q1</td>
<td>439</td>
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<td>Circuit Breakers</td>
<td>$60M</td>
<td>FY21/Q1</td>
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<tr>
<td>Service Contract for repair and rewind electrical equipment</td>
<td>$45M</td>
<td>FY21/Q1</td>
<td>445</td>
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<tr>
<td>Engineering services and repair of Degaussing Systems (multiple ship classes)</td>
<td>$20M</td>
<td>FY21/Q2</td>
<td>447</td>
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<tr>
<td>Material Procurement – UPS and Battery Units</td>
<td>$1M</td>
<td>FY21/Q2</td>
<td>447</td>
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