UNDERSEA WARFARE (USW) ELECTROMAGNETIC SYSTEMS DEPARTMENT

CODE 34 OVERVIEW

Presented to:
National Contract Management Association (NMCA)
RI Industry Day
Department Mission/Vision

**Mission**
Serve as the Navy’s principal activity for developing, acquiring, installing, modernizing and maintaining the world’s most capable USW Electromagnetic systems including Antennas, Periscopes, Electronic Warfare, Communications, Electro-Optics Systems, and Electromagnetic Compatibility

**Vision**
Dominance of Electromagnetic Spectrum
USW Electromagnetic Systems Department

DIRECTOR OF PROGRAMS

DEPARTMENT HEAD

DEPUTY DEPARTMENT HEAD

OFFICE OF TECHNICAL PROJECT MANAGEMENT

CUSTOMER ADVOCATE

EW ADVANCED TECHNOLOGY DEVELOPMENT

EM SPECIAL PROGRAMS

IMAGING AEA

IMAGING & EW SYSTEMS IN-SERVICE ENGINEERING AGENT

COMMUNICATIONS ANTENNAS SYSTEMS

MARITIME SPECIAL PROGRAMS

COMMON SUBMARINE RADIO ROOM

USW COMMS & NETWORKING

ELECTRONIC WARFARE SYSTEMS

SATCOM SYSTEMS

IMAGING & EW SYSTEMS DIVISION

COMMUNICATIONS SYSTEMS DIVISION

BUSINESS OPERATIONS OFFICE

TECHNICAL DEPARTMENT ACQUISITION ADVOCATE

CHIEF ENGINEER

TECHNICAL DISTRIBUTION STATEMENT A

ENGINEERING DIVISION
Our People

95% of the workforce are scientists, engineers and technicians with 100 advanced degrees

<table>
<thead>
<tr>
<th>Admin Tech Specialist</th>
<th>Clerical</th>
<th>Scientists &amp; Engineers</th>
<th>Scientists &amp; Engineering Technician</th>
<th>Student</th>
<th>Tech Specialist</th>
<th>Total</th>
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<tbody>
<tr>
<td>15</td>
<td>3</td>
<td>270</td>
<td>28</td>
<td>31</td>
<td>347</td>
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<table>
<thead>
<tr>
<th>Doctorate</th>
<th>Masters</th>
<th>Bachelors</th>
<th>Associates</th>
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<tbody>
<tr>
<td>13</td>
<td>87</td>
<td>189</td>
<td>10</td>
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</tbody>
</table>
Product Areas

**IMAGING**

**COMMUNICATIONS**

**ANTENNAS**

**ELECTRONIC WARFARE**

Industry Partners:
- Azure Summit
- DDL OMNI
- GDIT
- L3
- L3-KEO
- Linquest
- Lockheed Martin
- Indianapolis Microwave
- Northrup Grumman
- Progeny
- Purvis
- Rockwell Collins
- RDSI
- Raytheon
- Sercio
- SEACORP
- TCI

Major Sponsors:
- COMSUBLANT/COMSUBPAC
- DARPA
- NAVAIR
- NAVSEA PMS435, PMS450, PMS397
- NCWOG/CIOF
- NRL
- NSA
- N2/N6
- OGA
- ONR
- ONI
- SPAWAR PMW 170, 770, 160, 130

Roles:
- TDA, ISEA, AEA, Design Agent
- National Maintenance

Required Support:
- Programmatic Support
- Technical
- Engineering
- Cybersecurity
Responsibilities Span Full Life Cycle for Undersea Platforms and Systems
Our FY19 Customers
$187M

Spectrum of Customers

- Fleet
- Program and resource sponsors
- Scientific sponsors
- Intelligence community
- Defense industry
- Non-defense industry
- Foreign Navies

Provide Best Value to Our Customers
• Code 34’s Business Model shows approximately 47% of total Code 34 direct program funding is outsourced annually (this continues to increase as we look to the future)

<table>
<thead>
<tr>
<th>FY 19 Planned</th>
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<tr>
<td>$100M</td>
<td>Reimbursable</td>
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<tr>
<td>$87M</td>
<td>Direct Cite</td>
</tr>
<tr>
<td>$187M</td>
<td>Total</td>
</tr>
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</table>
Acquisition Metrics

• Contractor Labor Demand is projected to increase across FY19/FY20/FY21
  • Approximate 500 Contractors onsite/offsite support Code 34
  • 36% are Engineering Support
  • 38% are Technician Support
  • 14% are Administrative Support
  • 4% are Clerical Support
  • 7% are Business Support
• Funding is also projected to increase
  • $87M of Direct Cite planned in FY19 (i.e., Contracting $)
Portfolio Review and Plan

• Code 34 is heavily leveraged; we purchase a lot of Engineering and Technical (E&T) services to augment our Govt workforce

• Migration to program aligned E&T services contract(s) is complete, working follow-ons

• Establishment of department wide (not program specific) support contracts is nearing completion

• Multiple hardware contracts planned for FY19
  – Many department wide (common HW types)
  – Some program/system specific (production/spares)

• Key portfolio changes
  – Integrated Imaging, Electronic Warfare and Radar contract
  – Advanced Engineering and Rapid Prototype contract
  – Electronics HW contract (build to print)

• Will be busy in FY19 and FY20
<table>
<thead>
<tr>
<th>Contract #</th>
<th>Title</th>
<th>Current Contract Value (w options)</th>
<th>Incumbent</th>
<th>Seaport</th>
<th>Follow-On</th>
<th>Current Contract Type</th>
<th>Expected RFP Release</th>
<th>Strategy</th>
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<tbody>
<tr>
<td>14-D-3072</td>
<td>SubHDR APG Spares / Repairs</td>
<td>$22M</td>
<td>BTP</td>
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<td>Y</td>
<td>IDIQ</td>
<td>Dec 2018</td>
<td>Unrestricted</td>
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<tr>
<td>N437 18-F-3003 N408</td>
<td>I&amp;EW Eng &amp; Tech Svcs</td>
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<td>SeaCorp RDSI</td>
<td>Y</td>
<td>Y/Partial</td>
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<td>N/A</td>
<td>N</td>
<td>N</td>
<td>C-Type</td>
<td>Apr 2019</td>
<td>Unrestricted</td>
</tr>
<tr>
<td>N406</td>
<td>34 ILS/CM Svcs</td>
<td>$10M</td>
<td>ICI</td>
<td>Y</td>
<td>Y</td>
<td>CPFF</td>
<td>Nov 2018</td>
<td>SBSA</td>
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<tr>
<td>NEW</td>
<td>CIP Acoustic EMI Chamber</td>
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<td>N/A</td>
<td>N</td>
<td>N</td>
<td>C-Type</td>
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<td>Unrestricted</td>
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<tr>
<td>NEW</td>
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<td>N/A</td>
<td>N</td>
<td>N</td>
<td>IDIQ</td>
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<tr>
<td>15-D-1083</td>
<td>RFDACS Prod &amp; Spares</td>
<td>$36M</td>
<td>Astronics</td>
<td>N</td>
<td>Y</td>
<td>IDIQ</td>
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### Projected Contracts (Con’t)

<table>
<thead>
<tr>
<th>Contract #</th>
<th>Title</th>
<th>Current Contract Value (w options)</th>
<th>Incumbent</th>
<th>Seaport</th>
<th>Follow-On</th>
<th>Current Contract Type</th>
<th>Expected RFP Release</th>
<th>Strategy</th>
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<tbody>
<tr>
<td>NEW</td>
<td>Antenna Spares / Repairs</td>
<td>N/A</td>
<td>N/A</td>
<td>N</td>
<td>N</td>
<td>FFP/CPFF IDIQ</td>
<td>Apr 2019</td>
<td>MAC OEM + 2nd Sources</td>
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<tr>
<td>NEW</td>
<td>EW Spares / Repairs</td>
<td>N/A</td>
<td>N/A</td>
<td>N</td>
<td>N</td>
<td>FFP/CPFF IDIQ</td>
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<td>MAC OEM + 2nd Sources</td>
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<tr>
<td>NEW</td>
<td>Imaging Spares / Repairs</td>
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<td>N/A</td>
<td>N</td>
<td>N</td>
<td>FFP/CPFF IDIQ</td>
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<td>MAC OEM + 2nd Sources</td>
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<tr>
<td>NEW</td>
<td>34 Mech Fab</td>
<td>N/A</td>
<td>N/A</td>
<td>N</td>
<td>N</td>
<td>FFP IDIQ</td>
<td>Apr 2019</td>
<td>MAC SBSA</td>
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<tr>
<td>NEW</td>
<td>34 Cable Fab</td>
<td>N/A</td>
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<td>MAC SBSA</td>
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<tr>
<td>NEW</td>
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<td>TBD (Sources Sought)</td>
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<tr>
<td>Contract #</td>
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<td>Current Contract Type</td>
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<td>Strategy</td>
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<tr>
<td>NEW</td>
<td>SubHDR Hull Pen</td>
<td>N/A</td>
<td>N/A</td>
<td>N</td>
<td>N</td>
<td>FFP</td>
<td>Apr 2019</td>
<td>TBD (Sources Sought)</td>
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<tr>
<td>NEW</td>
<td>TOPGATE UCS Tech Refresh</td>
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<td>N/A</td>
<td>N</td>
<td>N</td>
<td>FFP</td>
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<td>TBD (Sources Sought)</td>
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<tr>
<td>NEW</td>
<td>34 Installations</td>
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<td>N/A</td>
<td>N</td>
<td>N</td>
<td>CPFF</td>
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<tr>
<td>NEW</td>
<td>34 Mech Parts BPA</td>
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<td>N</td>
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<td>TBD (Sources Sought)</td>
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<td>TBD (Sources Sought)</td>
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<td>N/A</td>
<td>N</td>
<td>N</td>
<td>FFP BPA</td>
<td>Apr 2019</td>
<td>TBD (Sources Sought)</td>
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<tr>
<td>NEW</td>
<td>34 Adv Eng &amp; Rapid Prototype</td>
<td>N/A</td>
<td>N/A</td>
<td>N</td>
<td>N</td>
<td>CPFF IDIQ</td>
<td>Apr 2019</td>
<td>TBD (Sources Sought)</td>
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</tbody>
</table>
Portfolio Summary and Look Forward

• Contracting is very important to our mission
• Portfolio represents a five+ year migration effort
• Program aligned service (and HW) contracts
  – Focused on program specific systems and technologies
  – Targeted to market segment best supporting systems
• Department wide contracts
  – Standardization of support services
  – Ordering vehicles for common types of hardware
  – Competition and Small Business opportunities
• Post EW NGA down scope and programmatic, system and technology integration in I&EW driving new requirements
• Multiple new HW centric contracts
• FY20+ will be focused on portfolio maintenance and ‘tuning’ to evolving requirements

DISTRIBUTION STATEMENT A