Class A: NOAA AGOR Variant (NAV)

Presenter: Mr. Terence Williams (PAD Deputy Director)
- Identified 4 new vessel classes
- Emphasis on multi-mission use

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<tr>
<th>Ship</th>
<th>Primary Mission</th>
<th>Secondary Mission(s)</th>
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<tr>
<td>N/V Class A (2)</td>
<td>Oceanographic Monitoring, Research &amp; Modeling</td>
<td>Assessment and Management of Living Marine Resources (no trawl), Charting and Surveying</td>
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<tr>
<td>N/V Class B (2-4)</td>
<td>Chartering and Surveying</td>
<td>Assessment and Management of Living Marine Resources, Oceanographic Monitoring, Research &amp; Modeling</td>
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<tr>
<td>N/V Class C (2)</td>
<td>Assessment and Management of Living Marine Resources (near-shore, shallow-draft)</td>
<td>Chartering and Surveying</td>
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<td>N/V Class D (1)</td>
<td>Assessment and Management of Living Marine Resources (near-shore and deep ocean, longer endurance)</td>
<td>Chartering and Surveying, Oceanographic Monitoring, Research &amp; Modeling</td>
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N/V Class A
Overview

- 2016 Fleet Plan recommended initiation of Class A building on recent US Navy research vessel acquisitions. NOAA leveraging the USN AGOR documentation to help expedite procurement schedule.

- Interagency agreement 7600A initiated between NOAA and USN under the authority of the Economy Act (31 U.S.C 1535/FAR 17.5) for acquisition planning and execution activities at a ceiling value of $1.5B.

- Program is an assisted acquisition with USN, Firm Fixed Price (FFP) Contract with Phase 1 (Preliminary/Contract Design) and Phase 2 (Detail Design and Construction)

- RFP released April 2018. Source Selection process finalized and award for Phase 1 PD/CD realized Q1/Q2 FY19. Currently in the middle of Phase 1 Design Competition with three shipyards:
  - Dakota Creek Industries, Inc.
  - Thoma-Sea Marine Constructors, LLC
  - VT Halter Marine, Inc.
Primary Missions
- Physical, chemical, and biological oceanography
- Bathymetry, gravimetry, and magnetometry
- Marine Geology and Geophysics
- Ocean Engineering and Marine Acoustics
- Multi-discipline environmental investigations

Secondary Missions
- Data collection sampling of surface, midwater, and sea floor parameters
- Launch, towing, and recovery of scientific packages (tethered and autonomous)
- Handling, monitoring, and servicing of ROVs and AUVs
- Support diving operations
- Deploy and recover AAVs, balloons, moorings, boats, free floating instruments
- Shipboard data processing and analysis
- Transmit data to and from NOAA shore stations, NOAA satellites, and other NOAA ships and platforms
- Precise navigation and station keeping and track-line maneuvering
Complement:
- 20 crew
- 24 science
- Surge capacity of 4 additional personnel

Design Speed: 12 knots
Range: 10,000 nm
Endurance: 40 days
Maximum Navigational Draft: 17 ft
Dynamic Positioning: DPS-I
Ice Class: D0
Full Operability up to Sea State 4 (Bretschneider)
Questions