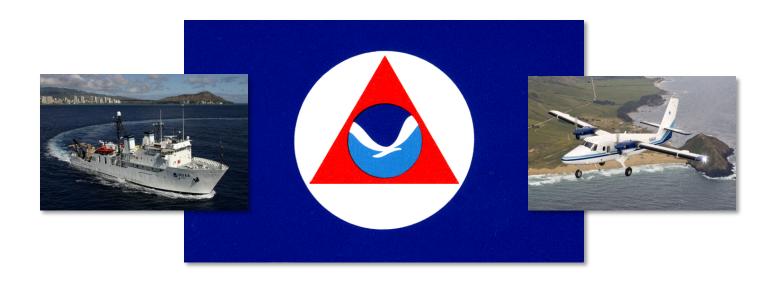


## **Brief to UNOLS**





# Class A: NOAA AGOR Variant (NAV)

Presenter: Mr. Terence Williams (PAD Deputy Director)



## 2016 NOAA Fleet Plan



**Proposed Vessel Classes** 

- Identified 4 new vessel classes
- Emphasis on multi-mission use

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



## 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.



## **N/V Class A**



### **Primary Missions and Secondary Missions**

## 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



## N/V Class A



#### **General Characteristics**

- 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)



# ADMINISTRATION OF COMMENT OF COM

# **Questions**