Regional Class Research Vessel

Status update for the RVOC

Presented by Stewart Lamerdin
OSU Marine Superintendent
Large Back Deck
Adaptable Centerboard
Customizable Labs
Accessible Masts
Matable Van Vestibule
OHS swappable spools & variety of TM’s and deployment options
Optimized Hull / Bulbous bow
Waste Heat Recovery
Variable Speed Power Generation
Wake Adapted Propellers
Ultra Efficient Pumps / Motors
LEDs and smart energy use features
Push/Pull Z-Drives
Strong Focus on Sea Keeping
U-Tube, Ctr Board, Fins, Beams
Wide suite of SONAR options
Double articulated Frames
As strong a crane as stability allows
Miranda Style Davit for small boat launches
Acoustically Quiet
Virtual Participation through Data/Telepresence

Vessel Description

• Versatile • Capable • Efficient • Desirable
Integrated Master Schedule
Shipyard Selection Timeline

1. OSU Issue Request for Information Mid-2016
   • Vendor Responses Received Mid-2016
2. OSU Issue Request for Qualifications & Technical Proposals Mid-2016
   • Vendor Responses Received Late-2016
3. OSU Issue Request for Cost Proposals Late-2016
   • Vendor Responses Received Early-2017
4. Shipyard Selected Early-2017
5. Shipyard Contract Effective Mid-2017

Key for Anticipated Timeline References:
Early = Jan/Feb/Mar/Apr
Mid = May/Jun/Jul/Aug
Late = Sep/Oct/Nov/Dec
Anticipated Timeline for the RCRV Acquisition Strategy Milestones:
Status Update ✔

- Passed CDR/PDR/BSR/Acquisition Review
- NSB recommended 2 vessels based on Decadal Survey. NSF has $106M in FY17 Pres Bud.
- RFI to be released first week of May
- FDR in October
- NSF can speak to OI selection
Bridge Mock Up
Model Testing

- Cavitation-free to 11 kts
- No evidence of bubble sweep down under simulated survey conditions