



Ocean Class AGOR Program Acquisition Status



Prepared by ONR & PEO Ships
For UNOLS RVTEC meeting
20 November 2009







Ocean Class AGOR Status of Source Selection

- Phase I/II Solicitation
 - Released 24 Apr 2009
 - Proposals received 24 Jun 2009
 - Phase I: Preliminary/Contract Design
 - Contract awards ~ Dec 2009 ←
 - Post award conferences ~ Jan 2010
 - First design reviews ~ Mar 2010
 - Phase II: Detail Design and Construction
 - Contract award ~ FY 2011, Q2
- Deliveries:
 - 1st ship – FY 2014, Q2 ←
 - 2nd ship – FY 2014, Q4





Ocean Class AGOR History of Specification Development

- Ocean Class Science Mission Requirements
 - Version 1.1, issued Aug 2007
 - Attachment J-1, System Specification
 - Version 1.3, issued 14 Jan 2009
 - Attachment J-6, Mission Equipment Specification
 - Version 1.3, issued 14 Jan 2009
- UNOLS Community Input 
 - 06 Oct 2008: UNOLS review of System Specification
 - 15-16 Oct 2008: Phonecon reading session with UNOLS reviewers
 - 20-24 Oct 2008: Incorporation of UNOLS comments
- Ocean Class Science Mission Requirements
 - Forthcoming update 



Ocean Class AGOR Specifications and Solicitations

- Ship Acquisition: 
 - Specifications and RFP for AGOR Design/Build Teams:
<https://www.fbo.gov>
 - Change posted date range to “Last 180 Days”
 - Enter “AGOR” in the keyword search field
 - This will result in the Contractor Solicitation and the Operator Solicitation.
 - Use **Amendment 6** for the latest versions of RFP/Specs
- Operator Selection: 
 - Information on the Operator Selection Process is posted at the ONR Code 32 Homepage:
http://www.onr.navy.mil/sci_tech/32/



Ocean Class AGOR ONR/UNOLS Representation

- **Mike Prince: ONR Research Facilities Assistant (IPA):**
 - Represent ONR and the UNOLS community during the Ocean Class AGOR design and construction process.
 - Coordinate with Operator representatives during design reviews and construction.
- **Responsibilities to include:**
 - **Phase I: Preliminary/Contract Design**
 - design reviews quarterly (designers locations)
 - review data deliverables (drawings, plans, calculations)
 - Provide input on Science Mission Systems equipment selections and schedules for installation
 - **Phase II: Detail Design and Construction**
 - design reviews bi-monthly (shipyard)
 - review data deliverables (drawings, plans, calculations)

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UNOLS Ocean Class Advisory Committee

- Navy will work with UNOLS
 - on the establishment of an advisory committee
 - to serve as a resource for ONR, NAVSEA, the selected operators and the UNOLS Community.
- Formation of the advisory committee to take place after NAVSEA design awards and selection of operator institutions (2nd Qtr).
- Composition and charter TBD.
- Briefed to UNOLS Council and FIC in October.



Ocean Class AGOR Estimated Key Parameters

- Length Overall - Around 200 to 220 ft
- Displacement - 1,800 to 2,500
- Draft – no greater than 17 ft
- Speed – 11 knots in calm seas at 80% MCR
- Propulsion – Integrated Diesel Electric (1/2 rpm to max)
- Range – 10,000 NM
- Endurance – 40 days



Ocean Class AGOR Estimated Key Parameters

- Science Berths (minimum required)
 - 10 two-person S.R.
 - One “accessible” S.R.
- Crew Berthing (minimum required)
 - 8 single berths and 6 double berth S.R.
 - Enhancement option (if affordable) is for all single crew berths
- Labs ~ 1,900 sq ft
- Main Deck ~ Minimum 2,100 sq ft,
 - 1,600 aft of house,
 - Stb side 80 ft x 10 ft
 - space for two vans



Ocean Class AGOR Science Outfit

- Costs, Budget and Time will affect scope of initial outfitting.
- Design and construction phase will define space & weight reservations for science equipment.
- Most science equipment will be government furnished:
 - specified and purchased later in the project, just in time for delivery or post delivery
 - In order to purchase the latest technology
 - Operators will have input to NAVSEA on this process.

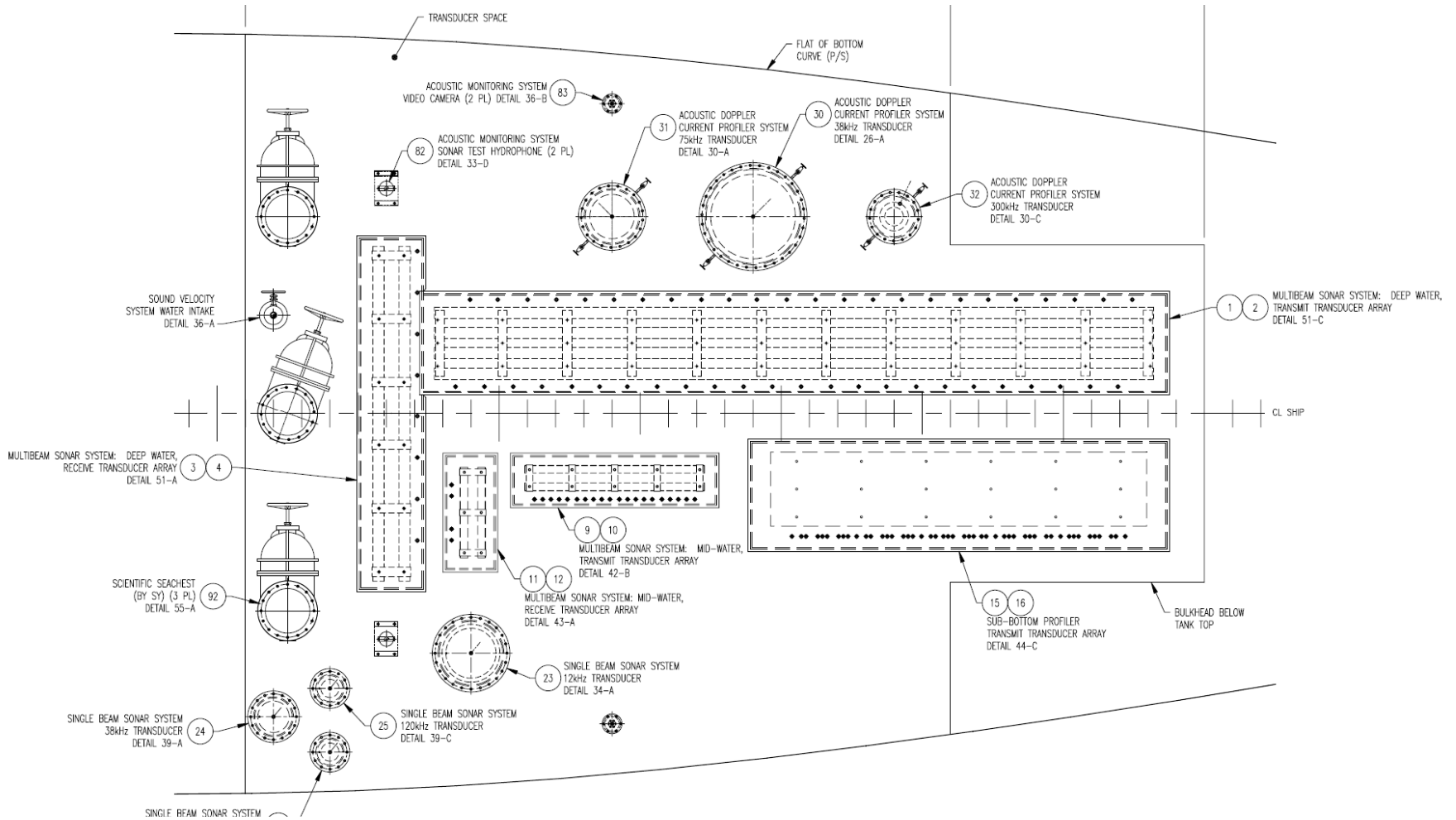


Ocean Class AGOR Science Outfit

- Winches, Cranes and Over-the-side equipment are planned as part of the shipyard contract
 - Traction winch for large wires/cables,
 - Two hydro-winches
 - Stern frame
 - Starboard side over-boarding system
 - CTD handling system
 - Articulated Crane(s) that reach all aft and stbd side working decks and can lift 20,000 lbs at 20 ft beyond the stbd side in port. At sea 10,000 lbs at 12 ft beyond stbd side.
 - A portable knuckle-boom crane.



Ocean Class AGOR Acoustic Systems



The Mission Equipment Specification (MES) includes more "space" than would be needed - and most likely more "space" than can be afforded.