

PROJECT UPDATE ALASKA REGION RESEARCH VESSEL (ARRV)

UNOLS Fleet Improvement Committee
7 February 2008

Marc Willis
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RVTEC Rep to FIC
ARRV Technical Support

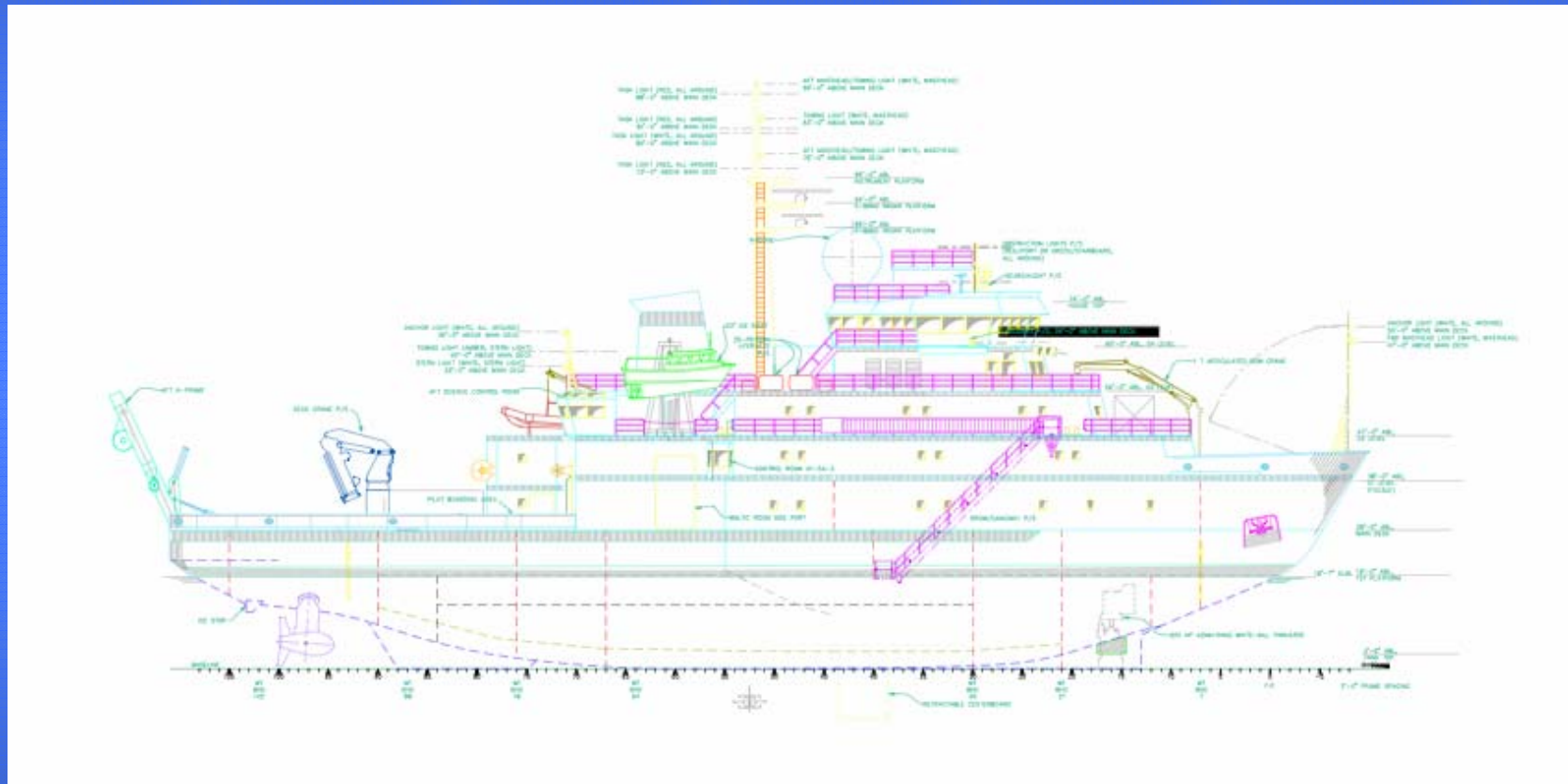
FIC
Update
2/7/08



Alaska Region Research Vessel



Latest



Where We Stand Today

- Design refresh (ongoing since August '07) nearing completion.
 - Contracting Documents, Specifications and Drawings
 - Structural Drawings, Midship Sections, some system drawings at ABS
 - Drawing submissions are ongoing
 - New Cost Estimates in progress
- ARRV Oversight Committee (AOC) is in place and active
- Project Review at NSF end of February, with AOC, NSF
- Next Step: Final Design Review

ARRV Oversight Committee (AOC)

Margo Edwards (UH) - Chair

Mary-Lynn Dickson (URI)

Hedy Edmonds (UT)

Fred Jones (OSU)

Christian DeMoustier (UNH)

Perry Pungowiyi (Savoonga, St. Lawrence Island)

Mike Sigler (NOAA-AFSC)

Suzanne Strom (WWU)

Al Suchy (WHOI)

Jim Swift (SIO)

Robin Williams (Robin Williams & Co., Barry, Wales)

Issues in Design Refresh - 1

- Cost, Weight and Space constraints
- Weight growth due to changes in IACS Polar Class Rules
 - Lengthen by 6 feet to 242 feet LOA:
 - Achieve desired draft
 - Preserve scientific deadweight load
 - Ensure adequate future growth margin
 - Length added aft of deck house
- Fisheries Assessment Capability (Large Trawling)
- Rafts vs. Boats and Ice

Issues in Design Refresh - 2

- Potable Water Capacity
- Sonar arrangements and acoustics suite
- Underwater Radiated Noise and airborne noise
- ADA Compliance
- Risk Management - Project has assumed some risks
- Actual ship vs SMR - '01 SMR vs. '04 design vs. '08 final

Proposed Contracting Process

(Subject to NSF Approval)

- 1) Request for Interest from Shipyards
- 2) Request for Proposal from those interested
- 3) Review of Technical Proposals
 - technical capabilities and proposed build plan
- 4) Downselect to best qualified yards
- 5) Release Invitation For Bid to Qualified Shipyards
- 6) Award based on Total Cost,
 - accounting for: transit from yard to Seward
 - >30-month build period



<http://www.sfos.uaf.edu/arrv/>

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