

SMR Update and Input to Ocean Class R/V RFP Development

Project Description and Tasking:

- **SMRs could benefit from some update, re-organization as well as incorporating lessons learned.** Stronger statements about minimum requirements and relative priorities are needed to make the SMRs more effective in the design development process.
- **Three key concepts** would improve the utility of the SMRs:
 - **Create an SMR statement of research vessel design principals and requirements (would apply to all classes):** Would include statements about such things as habitability, noise levels, lighting levels, lab design standards, pollution control, communications capabilities, etc. Quantifiable items would be presented in a table with columns for absolute acceptable minimum and an ideal target value.
 - **Class specific requirements** such as range, endurance, speed, number of science berths, number, size and type of laboratory spaces, main work deck area size, etc. would vary according to the class of vessels. These are quantifiable and would be presented in a table similar to the one above.
 - **Establish a relative priority for each requirement.** Cost drivers in ship design and construction should be considered.

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Timeline:

- **Near-term:**
 - This effort could have a beneficial impact on the current effort by ONR and PEO-Ships to create the RFP and performance specifications for the Ocean Class design effort. PEO-Ships is currently working on a notional design that would be used to create a cost estimate for the project and they are also working on the specifications and RFP language.
 - Community feedback over the next couple of months regarding the minimum acceptable values, target ranges, and relative priorities for the Ocean Class SMRs would be useful for their efforts.
- **One Year:** Finalizing revised SMRs for Regional, Ocean and Global Class can take place over a longer time frame, but could be completed within a year.

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- **Project website is available:**

<http://www.unols.org/committees/fic/smr/update08/index.html>

- Project Documents
- Project Statement
- Reference Materials
- Submit Feedback

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Status:

- Ocean Class SMR Table of Values and Priorities was drafted by Mike Prince:
http://www.unols.org/committees/fic/smr/update08/OCSMR_Summary_Table_091608.pdf
- FIC reviewed SMR table during August phone meeting
- **Conducted community survey** of Ocean Class SMR table
http://www.unols.org/forms/_OCSMR_FeedbackForm.asp – Late Summer/Fall 2008
- **FIC Review of Community Feedback – Early 2009**
- Address SMR Elements that lack community consensus – March 2009

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Next Steps - Finalize SMRs:

- Finalize Ocean Class SMR
- Draft Regional Class and Global Class versions of the revised SMR
- Post all three for community feedback with the quantifiable elements side-by-side.
- Create final draft of all three SMRs and post for final comments.
- FIC and Council approve final revised SMRs