

October 10, 2014

Tentative Agenda
UNOLS FLEET IMPROVEMENT COMMITTEE MEETING
The National Science Foundation
Stafford Place I, Room 110
4201 Arlington Blvd, Arlington, VA 22230
Monday, October 20, 2014

Important Note: If you plan to attend the Fleet Improvement Committee Meeting, please RSVP the UNOLS Office at office@unols.org by October 10th. Your name will be added to the security list for access into the NSF building.

0800 *Coffee and Pastries*

0830 **Call the Meeting:** Clare Reimers, FIC Chair, will call the meeting to order, outline focus areas for the day, and provide an opportunity for introductions.

0845 **Opportunity for Agency Comments**

0930 **Ship Design, Construction, Acquisition, Refit, and Repair Activities:**

- **Ship Construction Projects:** Full reports on federal construction efforts will be provided during the Annual Meeting on October 23-24. However, Agency representatives and FIC meeting participants are welcome to discuss any issues or questions regarding the following efforts:
 - Regional Class Research Vessel (RCRV) (10 minutes)
 - RV *Sikuliaq* (5 minutes)
 - Ocean Class Research Vessel (OCRV) – R/V *Neil Armstrong* and R/V *Sally Ride* (10 minutes)
- **R/V *Barnes* Replacement Plans** – Doug Russell (10 minutes)
- **Mid-Life Refit Plans for *Thompson, Revelle, and Atlantis*** (10 minutes) – Tim Schnoor and Doug Russell
- **Engine Control and Caley Systems on R/V *Kilo Moana*** (5 minutes) Tim Schnoor and Sandy Shor

1020 **Update on Number of RCRVs recommendation and Community Input to UNOLS** - Jon Alberts

1030 *Break*

1045 **R/V *Langseth* & MLSOC/FIC Liaison Report** - Sandy Shor

1100 **Optimal Window of Vessel Usage Definitions** – Review the ship operator responses to the vessel optimal use definitions and the impacts of new definitions on % utilization metrics- Clare Reimers

1120 Review Fleet Projected Service Life End Dates – emphasizing projections for 2025-2034- Clare Reimers

1140 Gathering post-cruise feedback on Sikuliaq, Armstrong and Ride as they enter into science operations – Clare Reimers

1155 New Technologies and System Evaluations:

- Autonomous Wind Powered Vessels for Ocean Science – Update on URI’s development effort (presented at March 2014 meeting by Harold “Bud” Vincent) (5 minutes) – Annette DeSilva
- SIO & Univ. of Hawaii ROV updates (10 minutes) – Bruce Appelgate/Sandy Shor

1210 Lunch

1315 Autonomous System Requirements - FIC was asked to integrate autonomous systems requirements into SMR documents so these needs are fully considered in future ship designs, and operations. Update on status of this effort.

1330 Discussion on Green Ship Advances nationally and internationally – Bruce Corliss

1400 Other Business

- FIC Membership Status
- FIC Guest Speakers – Identify special topics and speakers of interest.
- Opportunity for Additional Reports

1415 Adjourn

1430 FIC Executive/Working Session – The remainder of the day is reserved for FIC members to discuss and draft recommendations for the Fleet Improvement Plan (FIP):

- Review Status of Document – Clare Reimers
- Discussion on Draft Material
- Discussion on trends in ocean research and SMRs beyond 2024
- Discussion on alternative funding models for new construction and future operations
- Working groups to draft FIP recommendations on fleet renewal priorities beyond 2024
 - Group 1: Alberts, Bernhard, Bradley, Shor
 - Group 2: DeSilva, Cutter, Martinez, Suchy
 - Group 3: Reimers, Devol, Sundermeyer, Rabalais

1600 Working groups report back on their recommendations and discuss

1645 Wrap-up and summary of FIC Action Items