Summary of 2016 FIC Business:

1. Ship design, construction, science verifications, refit, and repair activities

   Ocean Class Research Vessel (OCRV) – R/V Neil Armstrong and R/V Sally Ride
   Regional Class Research Vessel (RCRV)
   Mid-life refit plans for R/Vs Thompson, Revelle, and Atlantis
   Engine control and other modifications on R/V Kilo Moana
   R/V Barnes replacement plans
   California state effort to acquire a vessel to replace Robert Gordon Sproul
   Polar vessels – Update on future design/construction activities

2. Science verification cruises and post-cruise feedback

   R/Vs Sikuliaq, Armstrong and Ride
   (FIC oversight proceeding without significant problems)

3. Review of fleet status (retirements, additions, service life end dates, optimal year definitions, etc.).
4. FIC is looking at more flexible definitions of Full Optimal Year allowing for range definitions.

5. Modification of UNOLS STRS schedules to account for each calendar day

6. R/V Langseth & MLSOC/FIC Liaison (Discussion of Langseth operations and future plans)

7. The FIC participated in UNOLS discussions regarding support for the Ocean Observing Initiative.

8. FIC is monitoring the Green Ship Initiative.

9. FIC discussed science party cruise orientation, with reference to a PowerPoint provided to cruise participants on R/V Falkor via PowerPoint.
10. New Technologies and System Evaluations:
   SIO and Univ. of Hawaii ROV updates
   Research Vessel Safety Standards Appendix B (UNOLS Overboard Handling Systems)
   Measurements of the water and carbon cycles using in situ stable isotope systems.

11. Vicki Ferrini (LDEO and Multibeam Advisory Committee) provided an update on sea acceptance tests of multibeam systems on new vessels and MAC resources.

12. Areas of new or increased FIC activity include:
   a. Science Mission Requirements for Global class
      FIC subcommittee was formed to draft mission scenarios
      Gather UNOLS community input
      Engage federal agencies
      Lessons learned from recent vessel construction projects
      Compare these to the Global class capabilities.
      Re-design the SMRs to be a living document
   b. Liaison with UNOLS AAIC to provide input regarding US polar vessel refits and acquisitions.