

Interagency Working Group on Facilities Activities Update

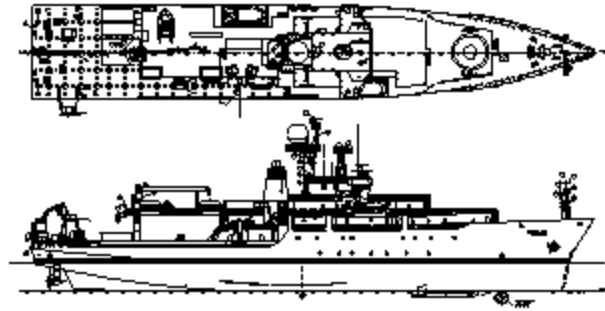


RDML Phil Kenul
UNOLS Annual Meeting
13 October 2009

IWG-F Activities Update Outline

- Ship Update
- UAS/AUV/Glider Sub-committee Update
- Joint Arctic Meeting with IWG-OP
- ORRPIS Near-term Priority Infrastructure Inventory

Ship Update: Navy



- Oceanographer of the Navy's Office working to acquire another vessel under the Modified Repeat Program
 - In FY 2007, Congress allotted \$117 million for an oceanographic survey ship to be built. Naval Sea Systems Command (NAVSEA) recently received a cost proposal from Halter Moss Point Shipyard in Mississippi
- Oceanographer of the Navy's Office also looking to acquire Unmanned Aerial Vehicles (UAVs) in the FY 2012 budget and hopes to partner with other federal agencies
- Office of Naval Research (ONR) R/V *Atlantis* and the R/V *Thompson* supported Neptune Canada, the world's first regional-scale underwater ocean observatory
- The Floating Instrument Platform (FLIP) just completed a project off the coast of Hawaii and marine mammal surveys will be conducted in October
- ONR expects to award design contracts for the two Ocean Class AGORs by early November

Ship Update: U.S. Coast Guard

- Update on U.S. Coast Guard's (USCG) three ice breakers: the *Healy*, *Polar Sea*, and the *Polar Star*
 - The *Healy* is in good condition, the *Polar Sea* has undergone some upgrades, and the *Polar Star* is in caretaker status
 - USCG received \$30 million in the 2009 Appropriations toward the *Polar Star* but approximately \$30 million more is needed to complete the necessary upgrades
 - The *Healy* just completed a joint exercise with Canada on continental shelf mapping
- The USCG is conducting a mission analysis report to evaluate future requirements for icebreakers in the Arctic

Ship Update: Environmental Protection Agency

- Environmental Protection Agency's (EPA) vessels R/V *Lake Guardian*, R/V *Lear*, and OSV *Bold*, are in good condition
- Changes to the EPA issued Vessel General Permit (VGP) that will effect over 70,000 vessels, including research vessels and foreign vessels
 - The VGP does not cover vessels less than 79 feet or commercial vessels unless they have ballast water discharges. If a vessel wants to discharge water of any kind, a VGP will need to be issued



Ship Update: NOAA

- Fisheries Survey Vessel (FSV) 3 *Pisces* to be commissioned 6 November 2009
- FSV 4 *Shimada* delivery date of 4 October 2009 has been delayed
 - After sea trials both *Pisces* and *Shimada* are expected to be operational in FY 2010
- Bids closed for the 5th in series FSV 6 contract on 24 September 2009 to be awarded March 2010.
 - This FSV will be ported on the West coast and will replace the *David Star Jordan*

Ship Update: NOAA



- FSV 5 currently in the design stage
 - Vessel expected to launch in 2014 and will be ported in the Gulf of Mexico
- FSV 7 is being planned to replace the *Miller Freeman* for work off Alaska
- *Rainer*
 - West Coast hydrographic vessel will undergo major service life extension/repair and will be off line for 12 months
- Funding for Unmanned Aerial Systems (UASs) is in the budget for FY 2010 but not FY 2011.

UAS/AUV/Gliders Sub-committee

- Under IWG-F
 - Sub-committee on Unmanned Aerial Systems (UASs) and Autonomous Underwater Vehicles (AUVs), and Gliders
 - Purpose: to conduct interagency meetings related to common life cycle infrastructure, operations and maintenance, data management, and development of new technology
 - Suggested:
 - Three co-chairs manage the new sub-committee, one for each area of the group
 - Reggie Beach (NOAA) was asked to develop a charter and terms of reference framework to be presented to the JSOST at their next meeting on 2 November 2009

Arctic Joint Meeting with the IWG on Ocean Partnerships

- Scheduled for December 4th at Consortium for Ocean Leadership
- Themes: operations, research, compliance, foreign contacts, and indigenous contacts
- Next planning team meeting to discuss the Arctic workshop - October 20th
 - Purpose: Develop agenda for December meeting

Workshop Goal: Determine areas where federal agencies can coordinate resources in the Arctic and collaborate when appropriate



ORPPIS Near-Term Priorities Infrastructure Inventory

- ORPPIS: Ocean Research Priorities Plan and Implementation Strategy (JSOST)
- Covered the four Near-Term Priorities in the ORPPIS:
 - Assessing Meridional Overturning and Circulation (AMOC)
 - Comparative Analysis of Marine Ecosystem Organization (CAMEO)
 - Sensors for Marine Ecosystems
 - Coastal Ecosystems

ORPPIS Near-Term Priorities Infrastructure Inventory

- Inventory of Infrastructure identified:
 - Retired assets awaiting disposition
 - Currently operating assets
 - Assets currently under construction/fabrication
 - Assets proposed for construction/fabrication in FY 2009 President's Budget
 - Assets in conceptual state, potential inclusion in future budget request
- IWG-F Terms of Reference called for results to be analyzed by:
 - Highlighting trends
 - Highlighting areas of diminishing/increasing capability and capacity
 - Budget recommendations

ORPPIS Near-Term Priorities Infrastructure Inventory

- Conclusions
 - Most infrastructure is currently operational
 - Vessels have the longest life span (20-30 years). Lifespan of most other infrastructure is shorter (3-10 years)
 - Across the NTP Categories
 - Argo floats, surface drifters, research vessels, and moorings used across nearly all NTP categories
 - Cyberinfrastructure and Supercomputing are necessary up-and-coming tools
 - Difficult to cull an in-depth analysis from the inventory structure and input received
 - Budget recommendations not possible with information received
 - No serious impediments in executing the NTPs with the infrastructure information received
 - Report results to the JSOST 2 November



Questions?