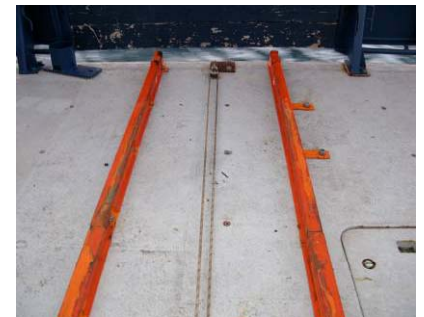


CTD Deployment Rail System

- Install CTD Rail Deployment System similar to R/V ROGER REVELLE
- Will improve safety.
- Rails and line tugger purchased – onboard in cargo hold.
- Plan to install after stbd staging door and science hoist are repaired and prior to Shakedown.



CTD Rail/Cart for R/V ROGER REVELLE



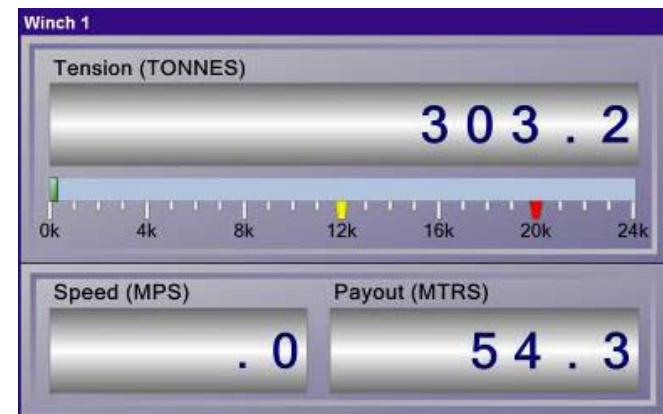
Summary of Science Conference Lounge Renovations to occur early CY 2011

- Replace aging storage cabinets.
- Two flat-screen LCD HDTV/Computer displays in front of room for presentations.
- The AV control console will be removed and functionality/control will be moved to the replacement cabinets.
- Add one more GP workstation.
- Replace all chairs (with type pictured).
- Carpet is worn & will be replaced.
- The current presentation sound system will be replaced with a BOSE system.
- Lighting control upgrades to better facilitate presentations.



HEALY Winch Monitoring Upgrade

- NSF funded project in response to the changes in UNOLS Rope and Cable Safe working Load Standards.
- 8 Proposed Display Unit Upgrades
- Data can be viewed on display or remote monitoring computer
- Estimated Cost - \$57,240.00
- Delivery time – 1-2 weeks
- 1 year warranty
- Requires CG approval for configuration change via a Time Compliance Technical Order (TCTO)
- Working on timeline for upgrade & funding/long-term maintenance issues.



Hazmat

- Missing chemical during HLY-10-03 accidentally offloaded at conclusion of HLY-10-01:
 - Institute check-in / check-out procedures.
 - Considering locking Hazmat locker at all times, duty MST necessary to grant access.
- Degree of chemical hazard
 - Required MSDS (current requirement)
 - Detailed description of how and where the chemical will be used. (new requirement)
 - All chemicals must have approval before being shipped. Unapproved and non-notified shipped chemicals will be refused.
 - Science party would be responsible for all waste disposal and required to bring approved chemical waste containers.
 - Overall – greater emphasis during pre-cruise planning process.
- Investigating integrating the UNOLS research Vessel Safety Standards – Chapters 10 and 11 into ship policy.

Science Deck Scoreboards

- Nicety, but not essential.
- Expensive-both in terms of funding and manpower.
- Not operational last season – passed info via radio effectively.
- Difficult to maintain due to weather/salt spray exposure.
- We are strongly considering de-installing them.
- Pictures indicate proposed locations IF they remain installed to better protect from weather & salt spray.
- We plan to make this decision in Jan – feedback is welcome prior to 1 Jan.



Aft Current



Starboard Current



Aft Proposed



Starboard Proposed

JMS Visit

- Initial NSF ship condition form completed online – working within weekly planning meeting group to finalize & fill in missing details.
- JMS has responded and agreed to pierside portion the week of 18 Jan – specifics will be finalized first week of Jan 2011.
- The underway portion will be completed during Shakedown in early May 2010

HEALY Science Equipment Responsibility Matrix & Documentation

- Draft update to equipment list and responsibilities instruction currently out for comment within CG and to NSF.
- Looking for all feedback by 18 December.
- Plans to finalize updated equipment matrix and instruction by late January, well in advance of preps for 2011 season.