RVOC Safety Committee

April 23, 2019

Scripps Institution of Oceanography
Opening

• Call to Order and Welcome – Jeff Garrett
• Introductions
• RVOC Chair Comments – Tom Glennon
• Safety Committee Agenda – Jeff Garrett
Committee Meeting Agenda

• Terms of reference for the committee
• Accomplishments since the April 2018 meeting
• Status of RVSS Revisions
• Equipment issues
• New business
• Presentations and stakeholder comments
• Membership
Terms of Reference

Charge of the RVOC Safety Committee:

To provide a forum for the formulation, review, and recommendation for the approval of the UNOLS Research Vessel Safety Standards (RVSS) for the UNOLS fleet through the RVOC.
Accomplishments since April 2018 Meeting

• Received and considered 2 RVSS waiver requests:
  ➢ Wire diameter-sheave groove size mis-match as specified in Appendix A; FS < 2.0; not resubmitted after wire test
  ➢ Sheave/roller diameter too small; FS 2.5 requested; granted

• Chair attended a meeting of Science Committee for Oceanographic Aircraft Research (SCOAR), August 2018, for continued development of an unmanned aerial system (UAS) policy manual... and ultimately revision of RVSS as appropriate

• Continued working on RVSS revisions
RVSS Revisions

Chapter 9.4, *Lithium batteries* - Update complete, approved July 2018

Chapter 16.3.3.3, *Emergency Escape Breathing Devices (EEBDs)* - Update complete, approved November 2018

Appendix B, *Overboard Handling Systems* - Update complete, approved November 2018


Other updates needed?

Chapter 1 - Introduction
Chapter 2 – Procedures New section 2.3, waiver process, added 2016
Chapter 3 – Definitions, Regs, & Documentation
Chapter 4 – Operations
Chapter 5 – Manning
Chapter 6 – Personal Behavior & Individual Safety Complete re-write 2017
Chapter 7 – Communications
Chapter 8 – Scientific Support Equipment
Chapter 9 – Scientific & Shipboard HazMat Lithium Batteries (Sec 9.4) Revised 2018
Chapter 10 – Radioactive Materials
Chapter 11 – Diving Operations
Chapter 12- Human Occupied Vehicles
Chapter 13- Stability
RVSS Edition 10 Overview (Continued)

• Chapter 14 – Load Lines & Watertight Integrity
• Chapter 15 – Electrical & Marine Engineering
• Chapter 16 – Firefighting Equipment & Fire Protection – EEBD (Sec 16.3.3.3) Revised 2018
• Chapter 17 – Lifesaving Appliances
• Chapter 18 – Chartering of Non-Institution Vessels – Removed from RVSS 2018
• Chapter 19 – Ship-based Aircraft Operations – UAS Update needed?
• Appendix A – Rope & Cable Safe Working Standards
• Appendix B – Overboard Handling Systems Complete re-write 2018
• Appendix C – Safety Inspection Checklist for Shipboard Vans
• Appendix D – Vessel Charter Data – Removed from RVSS 2018
• Appendix E – Harassment Prevention Revised 2017
• Appendix F – List of Acronyms
Equipment Issues

• Man overboard alarm system update – Jon Swallow

• Tempus medical units

• Other equipment issues?
New Business & Stakeholder Comments

• Marine Safety Alert 04-19: Confined spaces – Silent & Invisible Killers

• Chapter 19 – Ship-based Aircraft Operations

• Other items?

• Stakeholder comments – ONR, NSF NOAA, others
Presentations

• 1300 – SCOAR* handbook for UAS operations off UNOLS vessels
  Luc Lenain/UCSD

• 1515-1600 – ABS** & Lamar University’s Mariner Safety Research Initiative
  Dr. Brian Craig/Lamar University

* Scientific Committee for Oceanographic Aircraft Research
** American Bureau of Shipping
Membership Terms of Reference

1. Voting Members- 10 members, representing the UNOLS class of vessels; global, ocean, regional, local, as well as polar, regulatory, and RVTEC

2. UNOLS Community Members, Federal Agency Reps, Observers all welcome

3. UNOLS Subject Matter Experts- non-voting, expertise as needed, invited by committee

Term limits- 3 year with a possible 3 year renewal

Reporting- This will remain the same, i.e. report to RVOC

Meetings- Twice a year to include RVOC as before
Membership Status

1. Chair: Jeff Garrett – 2015–2021, in 2\textsuperscript{nd} term
2. Jon Swallow/UDEL – 2015–2021, in 2\textsuperscript{nd} term
3. Zoltan Kelety/SIO – 2015-2021, in 2\textsuperscript{nd} term
4. Quentin Lewis/BIOS – 2016-2019, need replacement
5. Christopher Peterson – 2016-2019, need replacement
Definitions

**U.S. Academic Research Fleet**: Vessels scheduled through the University National Oceanographic Laboratory System (UNOLS)

**Federal Oceanographic Fleet:**
- U.S. Academic Research Fleet
- National Oceanographic & Atmospheric Administration (NOAA) research and survey fleet
- U.S. Coast Guard polar icebreakers
- Vessels chartered by the National Science Foundation (NSF)

[May 2013 Federal Oceanographic Fleet Status Report]