

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

Chapter 18 & Appendix D, *Chartering of Non-UNOLS or Non-Institution Vessels* – Removed from RVSS June 2018. Draft UNOLS guidance document developed, to be issued separately.

Other updates needed?

Time for a new edition of RVSS? – Edition 10 published July 2015

RVSS Edition 10 Overview

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
<https://www.dco.uscg.mil/Portals/9/DCO%20Documents/5p/CG-5PC/INV/Alerts/0419.pdf>
- 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 2nd term
2. Jon Swallow/UDEL – 2015–2021, in 2nd term
3. Zoltan Kelety/SIO – 2015-2021, in 2nd term
4. Quentin Lewis/BIOS – 2016-2019, **need replacement**
5. Christopher Peterson – 2016-2019, **need replacement**
6. Ben Anderson/Art Anderson Assoc. – 2016-2019, **need replacement**
7. Miguel McKinney/RSMAS – 2018-2021
8. Doug Baird/UAF – 2018–2021
9. Kerry Strom/WHOI – 2018-2021
10. RVTEC Rep: Matt Durham/SIO – 2019-2022, replaces Brandi Murphy

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]