

ELECTRICAL SAFETY

UNOLS RVOC SAFETY COMMITTEE

MAY 5TH, 2026

ERICH GRUEBEL - URI





DISCUSSION TOPICS

- RVSS Safety Bulletin 2014-1 – Deploying Powered Equipment
- Current State of Electrical Safety
 - In the RVSS
 - In the Fleet
- Recommendations and Discussion

RVSS SAFETY BULLETIN 2014-1 – DEPLOYING POWERED EQUIPMENT

- Prohibits the live deployment of CTDs
- Other instruments shall be incorporated into risk assessment
- “The Safety Committee will be addressing this issue in the next update of the RVSS”



UNIVERSITY-NATIONAL OCEANOGRAPHIC LABORATORY SYSTEM

Graduate School of Oceanography – University of Rhode Island

220 South Ferry Road, Narragansett, Rhode Island 02882

(401)-874-6825

Fax (401) 874-6167

www.unols.org

office@unols.org

To: UNOLS Sea-Going Community

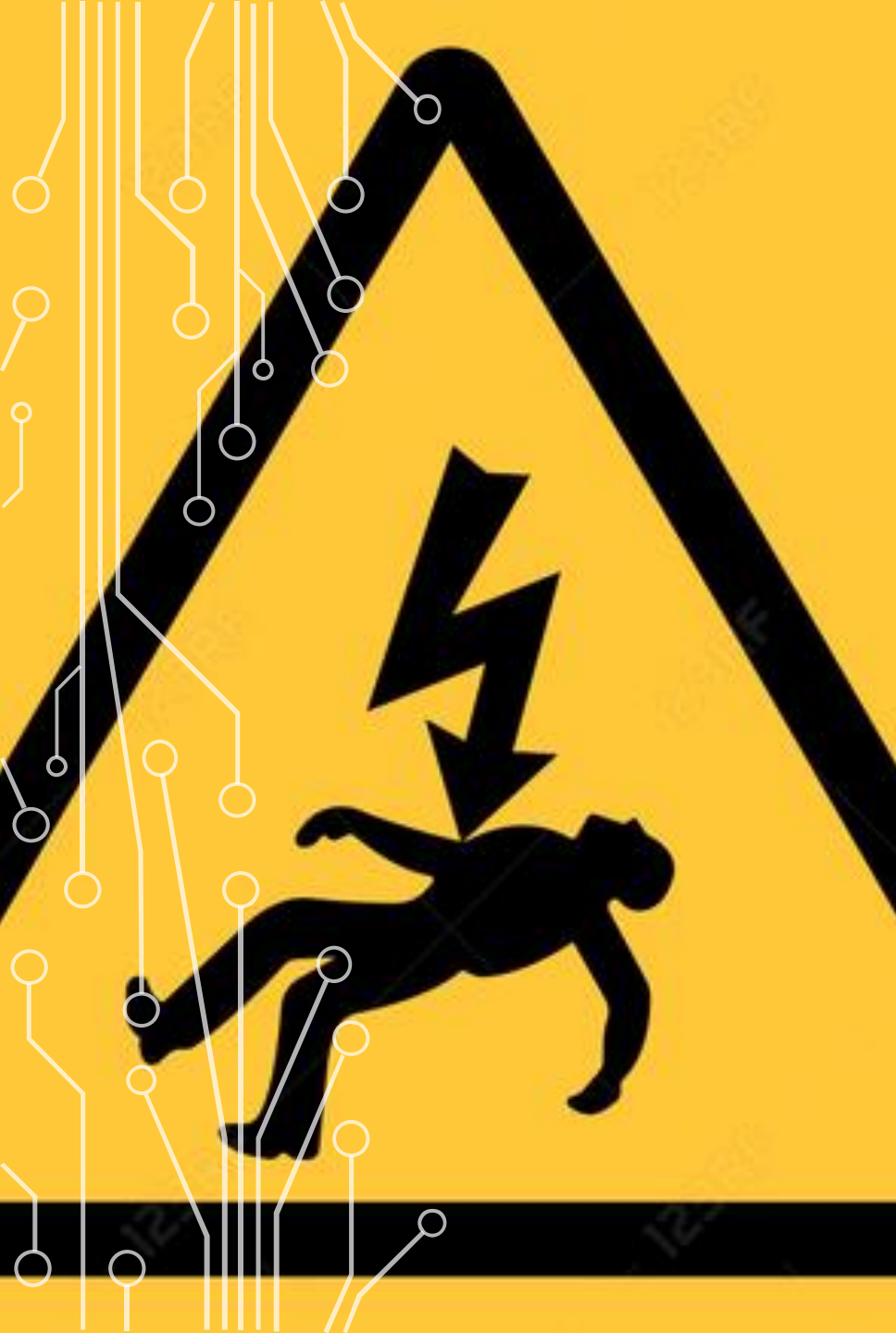
From: UNOLS Safety Committee

Date: 29 April 2014- Version 1

Deployment of Electrically Energized Equipment

THE STATE OF ELECTRICAL SAFETY

- Shore facilities
 - (OSHA) 29 CFR1910 Subpart S
 - (OSHA) 29 CFR1926 Subpart K
 - (NEC) NFPA 70E
 - State, local, institutional
- Ships
 - 46 CFR Subchapter J
 - NSTM Chapter 300
 - IEEE 45
 - STCW**
 - RVSS
 - 15.4.1, 15.4.2
 - 15.5 General Electrical Safety Guidelines





THE STATE OF ELECTRICAL SAFETY

14 INTERVIEWS

- Are you aware of the *RVSS Safety Bulletin 2014-1 - Deploying Powered Equipment?* **2 of 14**
 - Do you follow that guidance?
- What is generally considered *Hazardous Voltage*? **0 of 14**
 - High voltage?
- Current required for electrical shock? **0 of 14**
 - Injury?
 - Death?

THE STATE OF ELECTRICAL SAFETY

14 INTERVIEWS

- Do you know how to perform “dead checks” using a multimeter? **2 of 14**
- What PPE should be used for working on energized equipment? **5 of 14**
 - Does your workplace have that PPE? **0 of 14**
- Do you understand grounded vs ungrounded electrical systems? **3 of 14**
- Do you understand GFCIs? **5 of 14**
 - AFCIs? **0 of 14**

RECOMMENDATIONS AND DISCUSSION

- Revise the RVSS section 15.5 - General Electrical Safety Guidelines
- Retract the RVSS Safety Bulletin 2014-1
- Get the fleet trained up on electrical safety
- Ensure that training is repeated periodically