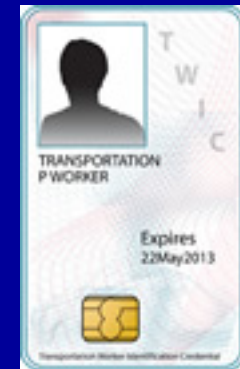




# RVOOC 2009 Activities and Meeting Highlights

- Transportation Workers Identification Credential
- Research Vessel Safety Standards Ninth Edition
- ~~Crew and~~ Technician Recruitment and Retention
- Clean Water Act Permit Requirements and Vessel General Permit
- Experiences from the Fleet on Vessel Maintenance Management systems

# Transportation Workers Identification Credentials (TWIC)



**UNOLS Office**  
Graduate School of Oceanography/URI - Box 32  
Ocean Science and Exploration Center  
215 South Ferry Road  
Narragansett, RI 02882  
Phone: (401) 874-6825  
Fax: (401) 874-6167

**Research Vessel & Facility Information**   **About UNOLS**   **Committees**   **Meeting Calendar & Information**   **Publications & Reports**

--- UNOLS quick navigator ---  

**UNOLS Call For Standing Committee Nominations:**  
**DEep Submergence Science Committee - Chair Position: deadline extended**  
**Arctic Icebreaker Coordinating Committee - several positions: deadline Sept 15, 2009**

**Upcoming Meetings**  
*Council Meeting - October 13, 2009*  
*UNOLS Annual Meeting - October 13-14, 2009*  
*Fleet Improvement Committee Meeting - October 14-15, 2009*  
*Research Vessel Technical Enhancement Committee Meeting - November 18-20, 2009*

**Current Activities and News**  
**\*\* NEW - Posted September 1, 2009 - ONR AGOR 27-28 Operator Selection Announcement**  
> [NSF Announces First Major Award Under American Recovery and Reinvestment Act to the Alaska Region](#)  
> [Research Vessel \(ARRV\) - May 27, 2009](#)  
> [UNOLS Fleet Improvement Plan 2009](#)  
> [Research Vessel Safety Standards - Ninth Edition](#)  
> [UNOLS Safety Standards for Human Occupied Vehicles - First Edition, March 2009](#)  
> [Transportation Worker Identification Credential \(TWIC\) Information for the UNOLS Community](#)  
> [UNOLS Cruise Opportunity website now available](#)

**Public Outreach & Related Sites**  
**Jobs/Personnel**  
**UNOLS Office Feedback Form**  
**Site Map & Search**  
**UNOLS Office Contact Information**

# Current UNOLS Vessel & Facility requirements -

- ***TWIC required for Unescorted Access:***

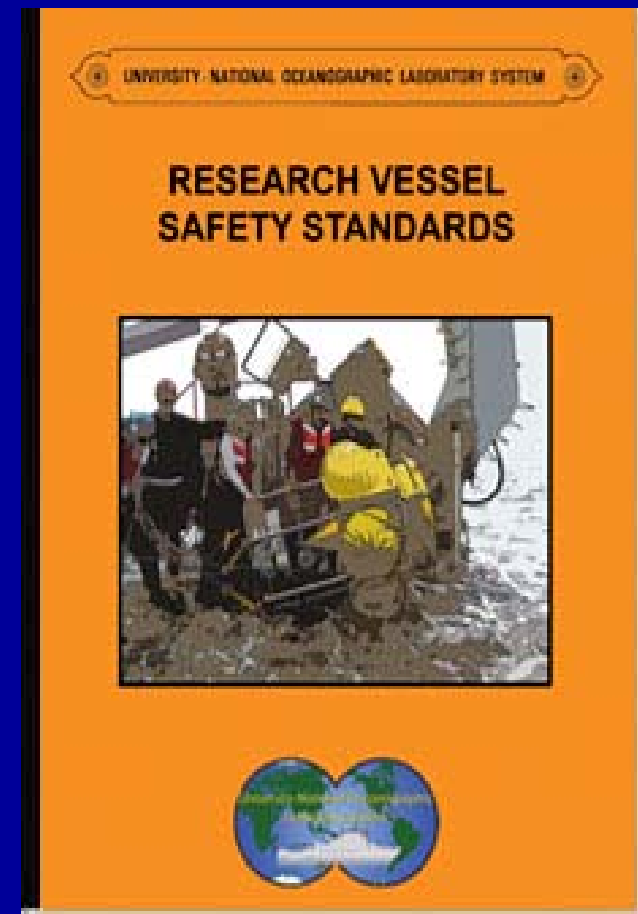
*Atlantis, Knorr, Marcus G. Langseth, Melville, New Horizon, Oceanus, Roger Revelle, Seward Johnson, HBOI marine facility, SIO marine facility (certain exceptions apply), WHOI marine facility*

- ***TWIC NOT required for Unescorted Access:***

*Atlantic Explorer, Blue Heron, Cape Hatteras, Clifford Barnes, Endeavor, Hugh Sharp, Kilo Moana, Pelican, Point Sur, R.G. Sproul, Savannah, Thomas G. Thompson, Walton Smith, Wecoma  
All other UNOLS institution facilities*

# Research Vessel Safety Standards, Ninth Edition (RVSS)

- Approved by the Council in March 2009
- The current version is available electronically on the UNOLS website



# Changes Made Since Last Revision (March 2003)

## ✧ Overall organization

- Chapter 10
- Chapter 6
- Chapter 12
- Appendix A
- Appendix B
- Appendix E
- Review and update of references

# Changes Made Since Last Revision (March 2003)

- Overall organization
- ✧ Old Chapter 10 removed
- Chapter 6
- Chapter 12
- Appendix A
- Appendix B
- Appendix E
- Review and update of references

# Changes Made Since Last Revision (March 2003)

- Overall organization
- Chapter 10

## ✧ Chapter 6

- Chapter 12
- Appendix A
- Appendix B
- Appendix E
- Review and update of references



# Changes Made Since Last Revision (March 2003)

- Overall organization
- Chapter 10
- Chapter 6

## ✧ Chapter 12

- Appendix A
- Appendix B
- Appendix E
- Review and update of references

# Changes Made Since Last Revision (March 2003)

- Overall organization
- Chapter 10
- Chapter 6
- Chapter 12
- **Appendix A** (compliance date of Sept 2010)
- Appendix B
- Appendix E
- Review and update of references

# Changes Made Since Last Revision (March 2003)

- Overall organization
- Chapter 10
- Chapter 6
- Chapter 12
- Appendix A
- ✧ Appendix B
  - Appendix E
  - Review and update of references

# Changes Made Since Last Revision (March 2003)

- Overall organization
- Chapter 10
- Chapter 6
- Chapter 12
- Appendix A
- Appendix B
- ✧ Appendix E
- Review and update of references

# Changes Made Since Last Revision (March 2003)

- Overall organization
  - Chapter 10
  - Chapter 6
  - Chapter 12
  - Appendix A
  - Appendix B
  - Appendix E
- ✧ Review and update of references

# Crew Recruitment and Retention effort ?

**The Dictionary defines crisis as "A crucial point or situation in the course of anything; turning point...An unstable condition in political, international or economic affairs in which an abrupt or decisive change is impending."**

# Recent Marine Superintendent Survey:

0 – not too much of an issue

1 – Is an issue at times

2 – Always an issue

3 – Is serious enough that a cruise or cruises came close to being cancelled or have a high fear that one will need to be cancelled in the future.

## Responses:

0's      two small coastal operators

1's      six operators

2's      two operators

3's      three operators

Implemented Clean Water Act  
Requirements for Vessels  
EPA's Vessel General Permit (NPDES - VGP)

- Notice of Intent Submission deadline: 19 September 2009
- The permit only limits activities in “waters of the United States” (extending to the outer reach of the 3 mile territorial sea”)



The permit will limit, in addition to all the existing regulations like oil, garbage, etc.:

- Deck Washdown and Runoff and Above Water Line Hull Cleaning
- Graywater
- Chain Locker Effluent
- Firemain System discharges
- Underwater Ship Husbandry Discharges
- Sonar Dome Discharge
- Boat Engine Wet Exhaust



The permit does NOT “affect, supersede, or relieve ... any otherwise applicable requirements or prohibitions under other provisions of Federal law or regulations.

Specifically:

- Ballast Water Management Plans,
- Garbage disposal,
- Oil (MARPOL, etc.)

# Inspections, Monitoring, Reporting, and Recordkeeping

- Dry dock Inspection report prepared by the class society (American Bureau of Shipping)
- Routine vessel inspections must be documented in official ship logbook
- Comprehensive vessel inspections must be conducted by qualified personnel at least once every 12 months



# Computerized Maintenance Management System (CMMS)

The screenshot displays the CODie ISMAN - A - Main Engine software interface. The window title is "CODie ISMAN - A - Main Engine". The interface is divided into several sections:

- Part Tree (Left):** A hierarchical list of engine components. The "A - Main Engine" section is expanded, showing sub-components like "0001 - Z100 Bedplate,Crankcase", "0002 - Z201 Unit No 1", etc., down to "Y - Spare Parts Test".
- Toolbar (Top):** Includes buttons for "Part Tree", "Intervals", "Find", "New", "Edit", "Delete", "Runtime Report", "Print", "History", and "Main Form".
- Base Data (Top Right):**
  - Part Name: A - Main Engine
  - Manufacturer: H.C.P.'Cegielski' - Poznan - Poland
  - Year Built: 2001
  - Type: Suber 6RTA62U
  - Serial No: 076
- Operational (Middle Right):**
  - Part in operation (since: 20.07.2001)
  - Part has an own counter
  - Runtime: 21500 (updated at: 23.03.2005)
  - Avg Runtime/Month: 700 (Calc. Avg./Month: 700,60; Avg./Day: 23,33)
  - Date of last maintenance: [Empty field]
  - Running hours on last maintenance: [Empty field]
  - Maintenance is calculated until: 08.02.2006
  - Running hours since last maintenance: 21500
- Additional (Top Right):**
  - Sort No: [Empty field]
  - Image: [Dropdown menu]
  - Order No: [Empty field]
  - Part No: [Empty field]
  - Critical Equipment:
- Part Modifications / Procedures (Middle Right):**
  - Buttons: Copy, Cut, Paste
  - Selected Part: -- no part selected --
  - Buttons: Calculate Maintenance Schedule, Delete Temporary Maintenance Jobs
  - Restrictions: [Dropdown menu]
- Maintenance History (Bottom):**
  - [10.02.2004] CHANGE OWN COUNTER from: y to: n by User: Chief Ing.
  - [10.02.2004] CHANGE OWN COUNTER from: n to: y by User: Chief Ing.
  - [10.02.2004] CHANGE OWN COUNTER from: y to: n by User: Chief Ing.
  - [10.02.2004] CHANGE RUNNING TIME UPDATED from: 1/31/2004 to: 7/20/2001 by User: Chief Ing.
  - [10.02.2004] CHANGE OWN COUNTER from: n to: y by User: Chief Ing.
  - [11.02.2004] CHANGE RUNNING TIME UPDATED from: 7/20/2001 to: 1/31/2004 by User:
  - [06.03.2004] CHANGE RUNNING TIME COUNTER from: 11740 to: 11750 by User: Chief Ing.
  - [06.03.2004] CHANGE RUNNING TIME COUNTER from: 11750 to: 11740 by User: Chief Ing.
  - [02.10.2004] CHANGE RUNNING TIME UPDATED from: 8/31/2004 to: 10/2/2004 by User: Chief Ing.
- Status Bar (Bottom):** last change of part: 17.01.2006 14:18:13 by Captain

Conducted a survey and received 13 Responses:

## HOW MANY ARE USING A CMMS

- 7 of 13 that responded use a CMMS
  - 4 are using an in-house developed system
  - 3 are using commercial systemFor multi-ship operations 1/3 use the same system for all ships
- Two responses are using it for science systems, no responses for tracing wire history.
- Biggest challenge is getting IT support, compatibility with other Institutional systems for purchasing and personnel modules, and the ease of use.
- Initial set up can be labor intensive and tedious.

In conclusion, the message “keep it simple” and choosing one system that clearly establishes functionality are recommended.

2010 Annual RVOOC Meeting will be  
hosted by  
University of Rhode Island



April 20-22nd