

# JMS

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## NSF SHIP INSPECTION PROGRAM



# Purpose

The major purposes of the NSF Ship Inspection Program are:

- 1) To assure that the capabilities of the research vessel and technical support meet accepted scientific community standards and expectations;
- 2) To assure the seaworthiness and safety of research vessels supported by NSF meet or exceed the standards set forth by the *UNOLS Research Vessel Safety Standards (RVSS)*, and applicable requirements of the International Maritime Organization, American Bureau of Shipping (ABS), the Code of Federal Regulations (CFR), and the U.S. Coast Guard;
- 3) To ensure NSF-owned ships as capital assets, are being adequately maintained;
- 4) To ensure NSF-funded science is scheduled on properly outfitted and maintained vessels.



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# Common Findings and Best Practices

- Appendix A
- Appendix B
- Labs
  - Lighting, safety information
- Vans
  - Safety Equipment
  - Egress
  - Lashing Arrangement
- Human Factors



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# Common Findings and Best Practices

- Emergency Procedures and Drills
- Maintenance and Inspection
  - Policy, inventory of equipment, designated responsible person(s), qualifications of personnel conducting maintenance, schedule of maintenance, specific inspection and maintenance procedures, logs and records of inspection and maintenance, and procedures for identifying, tracking and correcting deficiencies
- Shipyard Reports
  - Preinspection Copy
  - Records of clearances, NDT, etc



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# Common Findings and Best Practices

- Training
  - Training in the use of Stability Program
  - Medical PIC
  - Vessel Security Officer
  - Advanced Firefighting
  - Winch and Crane Operators
- Electronics
  - Power Distribution
  - Back up sources of power for critical equipment
  - One-Line Diagram



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# Common Findings and Best Practices

- In order to be more ADA capable the vessel could make improvements in the following areas:
  - Incorporate more ADA awareness and requirements into the pre-cruise planning process.
  - Improve access to science berthing from the main deck.
  - Improve markings to access the main deck from the science berthing area.
  - Improve lighting, handrails, and retro-reflective tape in stairwells and egress routes.
  - Install visual alarms to augment audible alarms.
  - Remove obstacles in the passageways.



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# Preinspection Information

- Electronic Format
- Shipyard Reports
- PCA *since last inspection*
- Appendix A Worksheet
- NSF Ship Condition Form



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# Questions?

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