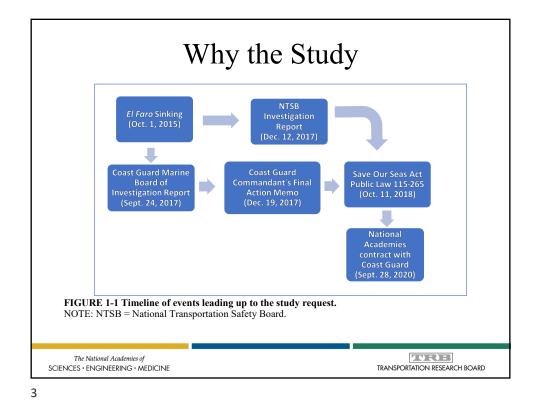
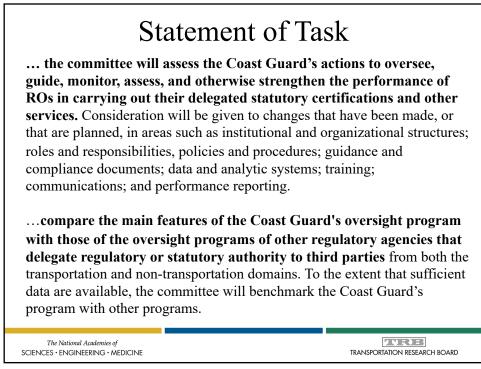


Committee on U.S. Coast Guard Oversight of Recognized Organizations

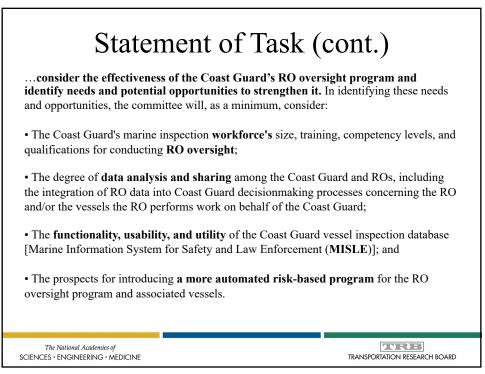
- Mary R. Brooks, Dalhousie University (Professor Emerita), Halifax, Nova Scotia, Canada, *Chair*
- Hendrik Bruhns, Herbert Engineering Corporation, Alameda, California
- VADM James C. Card (USCG, retired), Independent Consultant, Spring, Texas
- Victoria Dlugokecki, Independent Consultant, Franklin Square, New York
- Donald Liu (NAE), American Bureau of Shipping (retired), Seattle, Washington
- CAPT Kyle McAvoy (USCG, retired), Robson Forensic, Philadelphia, Pennsylvania
- R. Keith Michel (NAE), Webb Institute, Glen Cove, New York
- William H. Moore, Shipowners Claims Bureau, The American Club, New York, New York
- Kirsi K. Tikka (NAE), Independent Maritime Advisor, Port Washington, New York

The National Academies of SCIENCES • ENGINEERING • MEDICINE

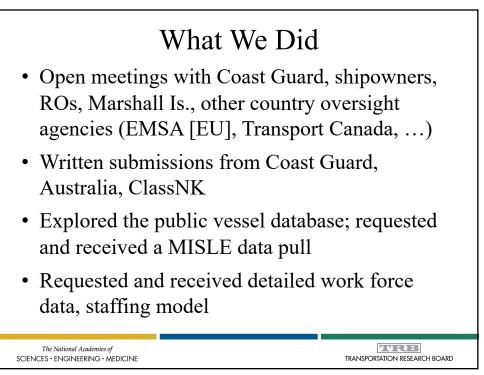




NAS RO Study Briefing to CTRF 2022

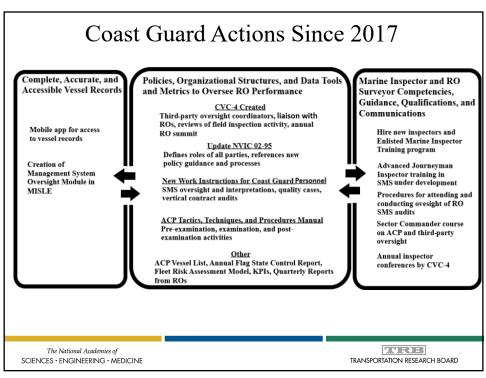


5



NAS RO Study Briefing to CTRF 2022

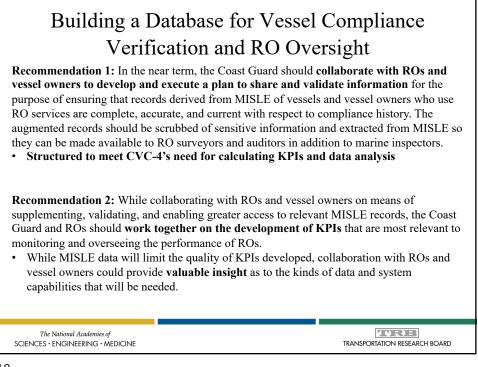
Outline of Report
Summary
1. Introduction
 Background of the U.S. Flag Fleet and the Alternative Compliance Program Technical Oversight Program
3. Coast Guard Actions to Support and Oversee Recognized Organizations and the Alternative Compliance Program
 Data, Metrics, and Risk-Informed Tools for Compliance Verification and Oversight of Recognized Organizations
5. The Coast Guard Workforce for Alternative Compliance Program Support and Oversight
 Delegations and Oversight by Foreign Maritime Administrations and Other U.S. Safety Regulatory Agencies
7. Building and Sustaining a Safety Partnership
Appendix: Study Committee Biographical Information
The National Academies of SCIENCES • ENGINEERING • MEDICINE TRANSPORTATION RESEARCH BOARD



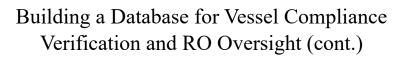
Our Assessment of Vessel Compliance Verification and RO Oversight

- Data-driven and risk-based approach to overseeing ROs is **not keeping pace** with organizational and procedural oversight framework.
- MISLE data system is not suited to support vessel compliance verifications
- Upgrade or replacement of MISLE unlikely in near- or medium-term
- In near-term, use information in MISLE, relevant RO data, other sources, and collaborate with ROs to create database external to MISLE
- Currently reported KPIs have limited relevance to RO performance
- Absent better data systems and tools for analysis, **intentions to be more risk based and data driven less likely to be met**

The National Academies of SCIENCES • ENGINEERING • MEDICINE



TRANSPORTATION RESEARCH BOARD



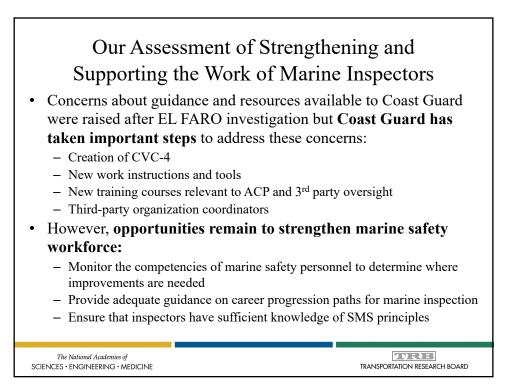
Recommendation 3: Congress should resource the development and implementation of a stand-alone data system, fully **external to MISLE**, that is exclusive to the purpose of **supporting compliance verification and RO performance and oversight**. ROs should be engaged during the database's planning—such as through a **Coast Guard and RO database/information technology working group**—to ensure that the database's design, elements, and functional capabilities align with the needs of Coast Guard inspectors, other marine safety personnel, and RO surveyors and auditors.

• Short-term fix, to start soon

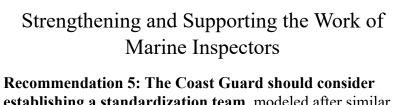
Recommendation 4: Although it may take many years to bring about, **the replacement of MISLE with a new, modernized data system should be a high priority** for the Coast Guard to more fully support the work of marine inspectors and ROs and to monitor and oversee their performance.

- Important that needs of all stakeholders are met;
- Role of external analysis and transparency

The National Academies of SCIENCES • ENGINEERING • MEDICINE

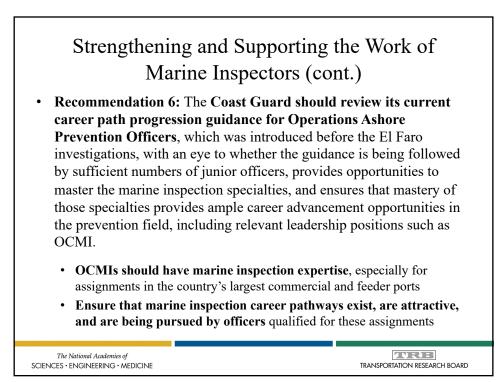


TRANSPORTATION RESEARCH BOARD



- **establishing a standardization team**, modeled after similar teams in other Coast Guard domains, that visits marine inspection field units on a regular basis to assess inspector competencies, the consistency in following work instructions and protocols, and the quality of inspections.
 - Provide feedback and inform training programs
 - Augment traveling inspectors

The National Academies of SCIENCES • ENGINEERING • MEDICINE

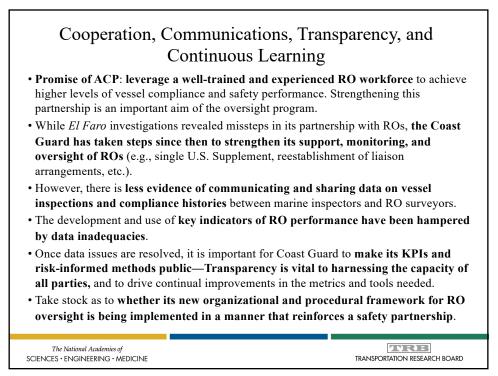


TRANSPORTATION RESEARCH BOARD

Strengthening and Supporting the Work of Marine Inspectors (cont.)

- Recommendation 7: The Coast Guard should ensure that all marine inspectors have sufficient understanding of the purpose and components of an SMS and how adherence to it should be evident during an inspection. Senior inspectors should have a strong understanding of how an RO conducts an SMS compliance audit to allow them to know when deficiencies and nonconformities observed during vessel inspections and oversight examinations may be indicative of substandard RO performance and warrant referral to the Flag State Control Division (CVC-4) and third-party organization coordinators.
 - Coast Guard's oversight of the RO's SMS audit function must be robust and comprehensive
 - Inspectors should have sufficient awareness and understanding to observe compliance

The National Academies of SCIENCES • ENGINEERING • MEDICINE



TRANSPORTATION RESEARCH BOARD

Cooperation, Communications, Transparency, and Continuous Learning (cont.) Recommendation 8: With the intent of fostering continuous improvement and greater transparency, the Coast Guard should build on its current practice of conferring with ROs, shipping companies, and other flag-state regimes. Regular, periodic meetings

with these groups should be arranged to communicate ideas and concerns and, where practical, share approaches to KPI assessment, flag-state inspections, and RO oversight.

- Ultimate responsibility for safety rests with the vessel owner and cannot be delegated.
- To achieve desired safety outcomes, need for high-quality inspections and audits.
- The Coast Guard's commitment to meeting this need has been commendable; but to sustain it and make it more comprehensive and complete, Coast Guard will need to leverage other parts of its enterprise.

The National Academies of SCIENCES • ENGINEERING • MEDICINE

