

Maritime Administration (MARAD)

Marine Board Meeting November 10, 2016



Environment



Security



Safety



Office of Safety, MAR-430





Maritime Administration (MARAD) Update

- Maritime Administration Activities
 - National Maritime Strategy
 - SA/SH (Sexual Assault / Sexual Harassment) Prevention Activities
 - MARAD Research Plan/Research Funding Report
 - Maritime Environmental and Technical Assistance (META) Program
- Department of Transportation (DOT) Activities
 - DOT RD&T 5 Year Strategic Plan
 - University Transportation Center (UTC) Solicitation
 - DOT Public Access Plan
 - Climate Change Policy
- Standards Development Activities
 - Safety
 - LNG
 - Environmental



MARAD Update Continued

National Maritime Strategy

- Draft strategy is designed to achieve the following goals
 - Improve waterborne transportation to reduce congestion and increase mobility throughout the domestic transportation system
 - Expand capacity of U.S. international gateway ports to accommodate larger vessels
 - Strengthen maritime capabilities essential to economic and national security
 - Modernize the maritime workforce and inspire and educate the next generation of mariners
 - Minimize environmental and community impacts of water transportation
 - Drive maritime innovation
- Current Status of the National Maritime Strategy
 - Responded to interagency comments
 - Awaiting either further comments or final clearance



MARAD Update Continued

- SA/SH (Sexual Assault / Sexual Harassment) Prevention
 - MARAD
 - Stand down of Sea Year for U.S. Merchant Marine Academy Cadets
 - Establishment of SA/SH Best Practice criteria
 - Establish criteria for SA/SH package submittals, review and acceptance
 - Ship Operations Cooperative Program (SOCP)
 - Development of an industry SA/SH Best Practices Guide
 - Development of a SA/SH interactive multi-media training product
 - Development of a SA/SH Tool Kit to support awareness and prevention
- MARAD Research Plan
 - Maritime Environmental and Technology Assistance Program (META)
 - Funding Report



MARAD Update Continued

Maritime Environmental and Technical Assistance Program

<https://www.marad.dot.gov/environment-and-safety/office-of-environment/>

– Objectives

- Stimulate technology advances for improved sustainability
- Address critical marine transportation environmental issues
- Promote collaboration among stakeholders

– META Focus Areas

- Ballast water/invasive species/hull fouling
- Multimodal Modeling Tools
 - Total Emissions Analysis for Marine Systems (TEAMS)
 - WebGIFT
- Air Emissions Reductions (Alternative fuels/Alternative technologies)
 - » Feasibility of the SF-BREEZE: a Zero-Emission, Hydrogen Fuel Cell, High-Speed Passenger Ferry
 - » Hybrid Tug — Battery Risk Analysis Project
 - » Ship Energy Efficiency White Paper (SOCP)
 - » Puget Sound Clean Air Agency Project
 - » Exhaust Gas Scrubber Technology Study update (SOCP)
 - » LNG fumigation emissions testing on inland tug (Pittsburgh Region Clean Cities)



Department of Transportation (DOT) Activities

- DOT Research, Development & Technology (RD&T) 5 Year Strategic Plan
 - Complete final draft of DOT RD&T 5 Year (2017-2021) Strategic Plan
 - Currently being circulated thorough DOT for modal concurrence
 - Targeted submittal to Congress and the public by the end of 2016
- University Transportation Center (UTC) Solicitation
 - FAST Act; P. L. 114-94 authorized UTC grants, December 4, 2015
 - UTC grant solicitation opened on March 1, 2016 and closed on May 13, 2016
 - Received 212 applications for five National, ten Regional, and up to 20 Tier 1 UTCs
 - Teams reviewed and evaluated submitted UTC proposals, July-September 2016
 - Request for supplemental information issues on Oct 5, 2016, and closed Oct 21, 2016
- DOT Public Access Plan promoting access to scientific research results
 - <http://ntl.bts.gov/publicaccess/>
- Policy Statement on Climate Change Mitigation is under development



ASTM Committee on Ships & Marine Technology (F25)

- “LNG Operational Safety”
 - LNG Bunkering Hose Assembly Standard Specification
 - LNG Type C Portable Tank Installation & Operations Best Practices
 - Cryogenic Pipe Cleaning and Testing Standard
 - LNG Type C Portable Tank Inspection Standard
- “Electrical and Environmental Operational Safety”
 - Marine Battery Installations and Application Best Practices
 - Application of Marine Environmentally Acceptable Lubricant
- “Safety Best Practices”
 - Near-Miss Safety Reporting Best Practices
 - Accident and Illness Safety Reporting Best Practices
 - Maritime Safety Culture Best Practices
 - Fatigue Mitigation Best Practices
 - Cyber Security Protection Best Practices
 - SASH, Bullying and Cyber Bullying Prevention Best Practices



Thank You!

**Todd Ripley
Office of Safety
Maritime Administration**

todd.ripley@dot.gov

202-366-2625