

Maritime Administration (MARAD)

Marine Board Meeting May 24, 2018



Environment



Security



Safety



Office of Safety, MAR-430





MARAD Update

- Department of Transportation (DOT) Activities
 - DOT Grants
 - DOT Research, Development & Technology (RD&T)
- Maritime Administration Activities
 - MARAD Research
 - Old Dominion University (ODU) Mariner Personal Injury Study
 - National Security Multi-Mission Vessel (NSMV)
 - SA/SH (Sexual Assault/Sexual Harassment) Prevention
 - Maritime Security Program (MSP)
 - Grants Programs
 - Nuclear Ship *Savannah* Decommissioning
- Industry Activities
 - Transportation Research Board (TRB)/Committee on the Marine Transportation System (CMTS)
 - Ship Operations Cooperative Program (SOCP)



DOT Activities

- DOT Grants
 - Infrastructure for Rebuilding America (INFRA) Program Grants (\$1.5 billion)
 - FEMA Puerto Rico Rescue and Recovery Support
- DOT Research, Development & Technology (RD&T)
 - Annual Modal Research Plan (AMRP) Development, Coordination & Review
 - Multimodal Freight Modeling Working Group - Maersk/IBM Blockchain Technology Presentation, May 30, 2018

MARAD Activities

- MARAD Research Activities

- FY 2019-2020 MARAD AMRP, drafted and submitted for OST review
- Maritime Environmental and Technical Assistance (META) Program
- Proposed MARAD Maritime Research and Development Centers (MRDC) Program
 - Leverage:
 - Take advantage of what our sister Departments have done (DOD, DOE)
 - MARAD is the Board of Directors
 - Situate the MRDCs at the Maritime Academies
 - Stimulate the faculty and students
 - Prepare the next generation of Maritime Industry Leaders
 - Create focal points for industry to seek out answers to their challenges
 - Focus Areas:
 - Operational Efficiency
 - Safety
 - Security (physical and network)
 - Ports and Infrastructure
 - Training
 - Autonomous and Remote operations
 - Environmental



MARAD Activities

- MARAD Research Activities
 - Proposed MARAD Maritime Research and Development Centers (MRDC) Program
 - Heavy emphasis on commercialization
 - Not doing basic research
 - Focus on applied research and engineering solutions
 - Focus on efficiency
 - Focus on helping U.S. companies become more competitive



MARAD Activities



- MARAD Research Activities
 - Proposed MARAD MRDC Program
 - Secure funding to get the program started
 - Maritime academies key elements of the MRDCs
 - Invest in remote operations and safety related technologies
 - META will continue to focus on energy efficiency and Enviro projects
 - Data GIS program for ports and waterways
 - Host industry day to collect input on challenges and technology needs





MARAD Activities

- Maritime Administration Activities
 - ODU Mariner Personal Injury Study – issue for M.B. discussion? (TR-1)
 - http://guides.lib.odu.edu/ld.php?content_id=34892840
 - National Security Multi-Mission Vessel (NSMV), FY 2018 - \$300 million
 - SA/SH (Sexual Assault/Sexual Harassment) Prevention
 - Maritime Security Program (MSP), FY 2018 - \$300 million
 - Shipyard Grants, FY2018 - \$20 million
 - MARAD Marine Highways Program, FY 2018 - \$7 million
 - Nuclear Ship *Savannah* decommissioning, FY 2018 - \$116 million
 - RRF vessel activations supported hurricane relief efforts and military support missions



Industry Activities

- TRB/CMTS Activities
 - 5th Biennial MTS R&D Conference, June 19-21, 2018 (TR-2)
 - TRB Marine Safety and Human Committee (AW040) Meeting, June 18, 2018 (TR-3)
 - CMTS Maritime Innovative Science and Technology (MIST), June 6, 2018
- Ship Operations Cooperative Program (SOCP)
 - Meetings
 - April 2018 Spring Summit, “Autonomous Vessels: The Human-Machine Team” (TR-4)
 - Summer Web Meeting, SOCP Working Group focused
 - Fall 2018 Summit, LNG and Alternative Energy – Jacksonville, Florida
 - Project/Initiatives
 - SA/SH Training Product and Tool Kits items delivered, www.socp.us (TR-5)
 - Heavy Weather Working Group (TR-6)
 - Ballast Water Technology Assessment Study
 - Autonomous Consortium



Thank You!

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