

2025 MR August In Progress Review

August 12, 2025 - August 14, 2025

Agenda is eastern time zone

Zoom for Gov Meeting Link: [https://www.zoomgov.com/j/1611470140?](https://www.zoomgov.com/j/1611470140?pwd=gXIOSOFL45aeOQdtYbi331I02T8OUi.1)

pwd=gXIOSOFL45aeOQdtYbi331I02T8OUi.1

Meeting ID: 161 147 0140 Passcode: 954042

Call in Number (if not using computer audio): 646-828-7666 or 669-254-5252

Point of Contact

Hannah Boring • (832)514-8053 • hannah.boring@noblis.org and serdp-estcp.meetings@noblis.org

Tuesday, August 12, 2025

0955	Opening Remarks	John Jackson, Program Manager
1000	MR20-1094: Mobility and Burial of Variable Density Munitions in the Inner Surf and Swash Zones during Controlled Extreme Forcing (Final Project Presentation)	Jack Puleo, Ph.D. University of Delaware
1045	MR24-4520: Spatial Coherence Based Reconstruction for Detection of Underwater Munitions	Thomas Blanford University of New Hampshire
1130	Break	
1145	MR24-4560: Potential for sea bed munition transport due to turbulent prop wash	Tyler Van Buren University of Delaware
1230	MR19-1369: Crab-like legged robot for accessing and classifying munitions in surf zones	Kathryn Daltorio Case Western Reserve University
1315	Working Lunch	
1400	MR20-1443: Physics-Based Features and Classification Architecture for Underwater Buried Targets (Final Project Presentation)	Aubrey Espana, Ph.D. Applied Physics Laboratory, University of Washington
1445	Closed Door Discussion	
1615	Adjourn	

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Wednesday, August 13, 2025

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0955	Opening Remarks	John Jackson, Program Manager
1000	MR24-8267: Extending the Operational Envelope of the UltraTEM Marine System	Stephen Billings Black Tusk Geophysics Inc
1045	MR21-5066: Classification of Underwater UXO from Dynamic EMI Survey Data (Final Project Presentation)	Kathryn Wahl U.S. Naval Research Laboratory
1130	Break	
1145	MR22-7964: Demonstration of UAS-Based Topobathymetric Lidar for Shallow-Water Munitions Response	Alexandra Wise Atmospheric & Space Technology Research Associates, LLC
1230	MR23-9001: Optical Detection and Classification of Military Munitions Underwater	Darin Knaus Create LLC
1315	Working Lunch	
1445	MR24-8219: Evaluation of Sensor Technologies at the Hawaii Munitions Test Range Complex	Margo Edwards Applied Research Laboratory at the University of Hawaii
1530	Closed Door Discussion	
1700	Adjourn	

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Thursday, August 14, 2025

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0955	Opening Remarks	John Jackson, Program Manager
1000	MR23-3982: Time-frequency Resolution, Representation, and Interpretability (Final Project Presentation)	Wendy Newcomb Georgia Tech Research Institute
1045	MR24-4529: Proof of concept for underwater localization, characterization, and excavation of partially-buried munitions using robotic perception and control (Final Project Presentation)	Richard Camilli Woods Hole Oceanographic Institution
1130	Break	
1145	MR23-7687: Vibration-Induced Precision Emplacement Routine (VIPER): A rapid deployment system for buried and proud seed items at shallow underwater demonstration sites.	Edward Braithwaite US Naval Research Laboratory
1230	MR22-3303: Unmanned Surface Vessel Based Munition Detection, Mobility and Burial Monitoring, and Environmental Mapping in Surf Zone Environments and Demonstration of Deterministic Modeling Capabilities	Peter Traykovski, Ph.D. Woods Hole Oceanographic Institution
1315	Working Lunch	
1400	MR21-1265: Rapid soil classification and integration of soil characteristics for UXO site characterization and risk assessment	Adrian Rodriguez-Marek, Ph.D. Virginia Tech
1445	MR22-3257: Quantitative Assessment of LiDAR Technology for Detecting, Localizing, and Characterizing Underwater Munitions in Shallow Waters (Final Project Presentation)	Jeffrey Thayer University of Colorado
1530	Break	
1545	Closed Door Discussion	
1715	Adjourn	

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