



# DERP FORUM

*Achieving Greater Success Through Strong Partnerships*

November 14-17, 2023 • Kansas City, MO

---

# Military Munitions Response Program Update

**Mr. Brian Jordan**

**Office of the Deputy Assistant Secretary of Defense for  
Environment and Energy Resilience**

**Wednesday, November 15, 2023**

# Agenda

---

- **Risk Management Methodology (RMM)**
- **Data Quality - DoD Advanced Geophysical Classification Accreditation Program (DAGCAP)**
- **Underwater Munitions Response Technology Workgroup**

# RMM Background

---

- **In July 2023, Mr. Paul Cramer, the Principal Deputy Assistant Secretary of Defense for Energy, Installations, and Environment, signed the RMM**
- **The RMM:**
  - Serves as a qualitative risk evaluation tool that provides project teams with a framework to facilitate discussion about cleanup and build consensus for risk management decisions at munitions response sites (MRSs)
  - Supports the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) remedial investigation phase by informing the baseline munitions and explosives of concern (MEC) risk assessment

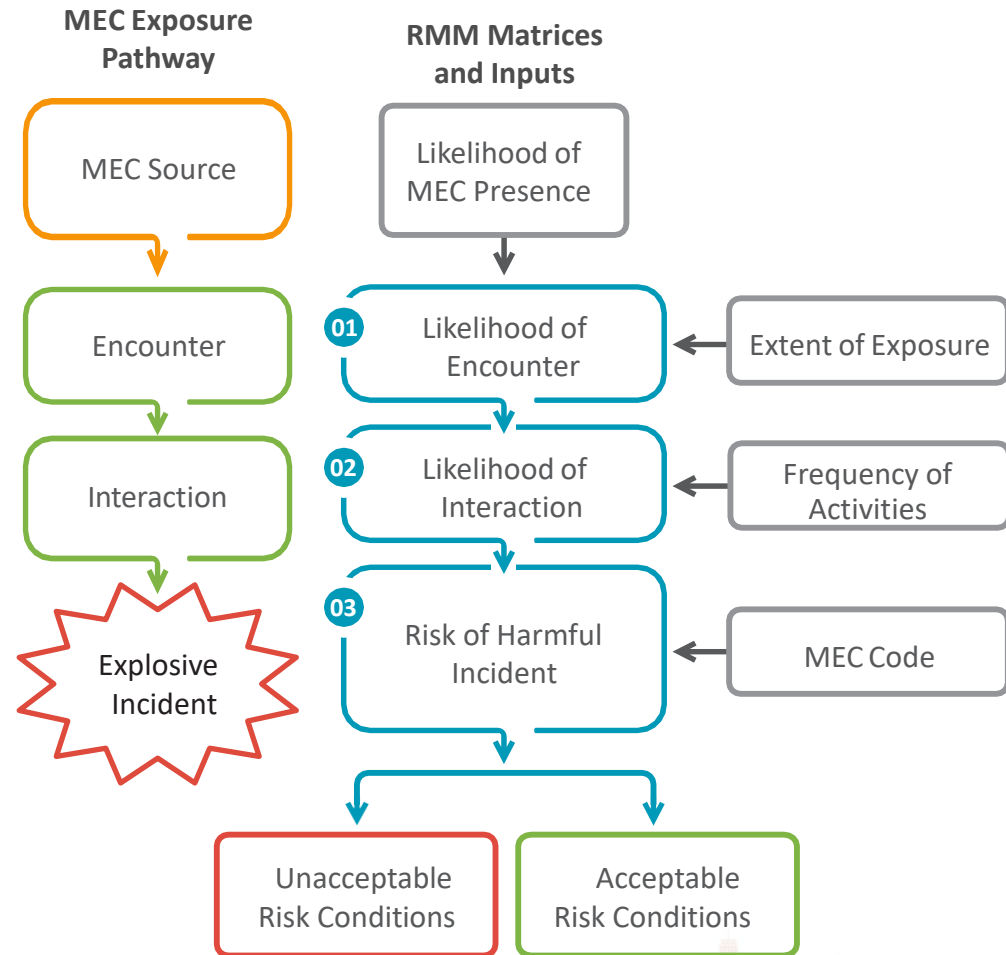
# RMM Background Continued

---

- **The RMM maximizes transparency and enhances participation and collaboration among project team members throughout the cleanup process**
- **Project teams are determined on a site-specific basis but may include:**
  - DoD project manager;
  - Subject matter experts such as explosives safety, geophysics, and public affairs personnel;
  - Regulators;
  - Landowners;
  - Contractors; and
  - Other Federal and State agency representatives

# The MEC Exposure Pathway and RMM Matrices

- The RMM consists of three matrices that help project teams collect, organize, and analyze site-specific information to assess risk
  - Matrix 1: Likelihood of Encounter
  - Matrix 2: Likelihood of Interaction
  - Matrix 3: Risk of Harmful Incident
- Based on these three factors, project teams determine whether there are **acceptable** or **unacceptable** risk conditions



# RMM Development

---

- **The Office of the Secretary of Defense (OSD) recognizes the importance of discussing risk management with stakeholders**
- **When developing the RMM, OSD:**
  - Incorporated input from the DoD Components via the DoD Munitions Response Subcommittee, and
  - Considered the views, information, and advice that representatives from the U.S. Environmental Protection Agency (EPA), Federal land management agencies, and State regulatory agencies provided via the Munitions Response Dialogue

# RMM Informational Sessions and Training Opportunities

---

- **2023 DERP Forum:**

- Munitions Response Track – RMM Session: Thursday, November 16 from 10:45 am – 12:00 pm
- RMM Training: Friday, November 17 from 8:00 am – 12:00 pm

- **National Association of Ordnance Contractors (NAOC) Annual Meeting**

- RMM Training: Monday, December 11, in the afternoon - time TBD

# Data Quality - DAGCAP

---

- **In 2016, ODASD(E&ER) established the DAGCAP, requiring the DoD Components to use DAGCAP-accredited organizations for advanced geophysical classification work**
- **Organizations are accredited through a two-step process:**
  1. Assessing the organization's quality system, and
  2. Successfully demonstrating capabilities performed at the Aberdeen Proving Ground DAGCAP test site
- **There are currently 15 DAGCAP-accredited organizations (GCOs)**



# Current DAGCAP Discussion Points

---

- **Expanding the DAGCAP beyond advanced geophysics to include quality control and quality assessments for munitions response in general**
- **Changing how the DAGCAP process addresses validation seed failures**
  - Validation seed failures cause a quality assurance stand down, which stops work so contractors can identify the root cause and perform a corrective action
  - NAOC has proposed allowing work to continue while handling the validation seed failure, but DoD has concerns with compromising quality

# Underwater Munitions Response Technology Workgroup

---

- **In March 2023, DoD convened an Underwater Munitions Response Technology Workgroup to discuss the status and implementation of munitions response technologies at underwater MRSs**
- **Participants include representatives from DoD, the Strategic Environmental Research and Development Program and Environmental Security Technology Certification Program (SERDP-ESTCP), EPA, and the States**
- **The Workgroup meets bi-weekly to discuss:**
  - SERDP-ESTCP Roadmap
  - Data quality objectives (DQOs) and performance standards for developing technologies, and
  - Interstate Technology and Regulatory Council (ITRC) 2025 project proposal

# SERDP-ESTCP Roadmap

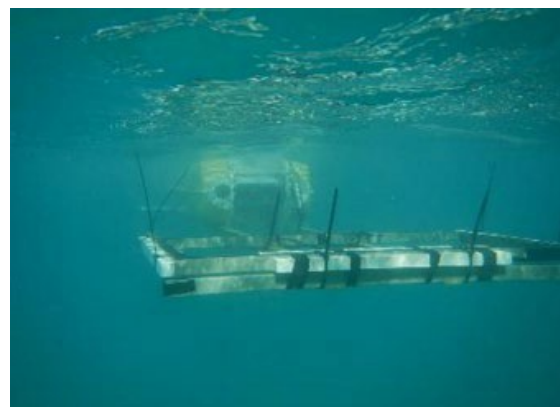
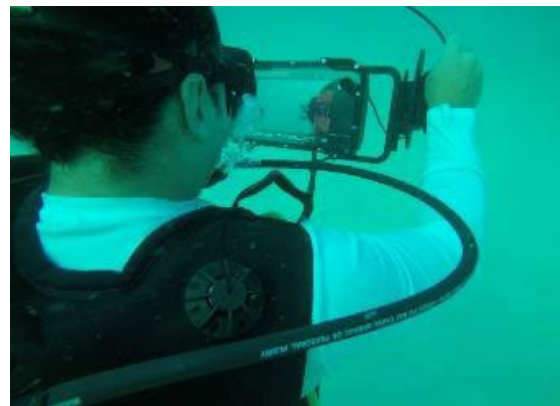
---

- **Purpose:**

- Communicate ODASD(E&ER)'s end goal for underwater munitions response technologies;
- Identify lines of effort (LOEs) to reach the end goal; and
- Establish timelines and metrics for each LOE

- **End Goal: provide underwater MRS managers safe and effective:**

- Detection, classification, and localization;
- Mobility;
- Recovery; and
- Disposal technologies to support cleanup under CERCLA



*Underwater technologies used at Culebra, PR*

**DERP FORUM**

*Achieving Greater Success Through Strong Partnerships*

November 14-17, 2023 • Kansas City, MO

# DQOs and Performance Standards for Developing Technologies

---

- **The Underwater Munitions Response Technology Workgroup is developing DQOs and performance standards for four conceptual site model (CSM) scenarios**
- Next steps:
  - Identify sites that match the conditions of the four CSMs,
  - Determine appropriate technologies for clean up at the sites, and
  - Test (SERDP-ESTCP) the technologies at the sites



*Analog-assisted qualitative reconnaissance at Maine Bombing Range*

# ITRC 2025 Project Team

---

- **The Underwater Munitions Response Technology Workgroup submitted a proposal, but was not selected, for an ITRC 2024 Project Team to develop comprehensive underwater munitions response technology guidance and training materials**
- **The Workgroup is refining the proposal and working on gaining State support before re-applying for the ITRC 2025 Project Teams**
  - If selected, the team will focus on drafting comprehensive training and guidance materials for Federal, State, and other stakeholders
  - In the meantime, the Workgroup is beginning to compile information to inform the future training and guidance materials

# Questions?

---