



Military Munitions Response Program Advanced Geophysical Classification Office of the Secretary of Defense Perspective

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Introduction and Overview

Acquisition, Technology and Logistics

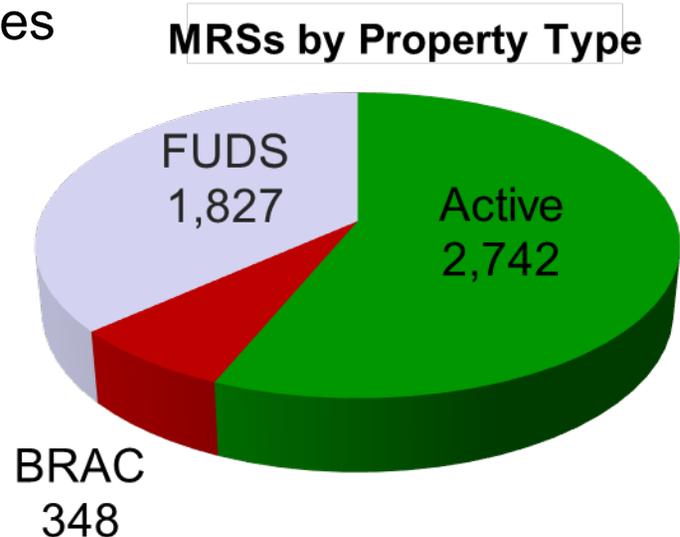
- Overview
 - Scope of the Military Munitions Response Program (MMRP)
 - Program Status
- Advanced Geophysical Classification Process
 - Senior DoD Leadership Support
 - Technology Transfer Activities
- Next Steps
- Questions?



Scope of MMRP*

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- There are 38,887 sites in the cleanup program.
 - The remaining cost-to-complete (CTC) for the whole program is approximately \$27 billion.
- There are 4,917 Munitions Response Sites (MRSs) in the cleanup program.
 - The remaining CTC for the MMRP is \$13 billion.
 - The CTC for Formerly Used Defense Sites (FUDS) is \$9.5 billion of the \$13 billion.



*Based on end of Fiscal Year 2013 Knowledge-Based Corporate Reporting System Data.



Program Status

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- Response Complete (RC) Goals:
 - Achieve RC by 90% and 95% by the end of Fiscal Year (FY) 2018 and FY 2021, respectively.
 - Excludes MRSs at FUDS properties.
- We're making good progress – DoD achieved RC at 79% of all sites through the end of FY 2013.
- DoD achieved RC at 56% of all MRSs through the end of FY 2013.



Advanced Geophysical Classification

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- Process for determining whether a buried metal object is a military munition.
- Analysts collect high-quality data on detected metallic objects buried in the ground and interpret this data with computer-based models to estimate the size, shape, and other physical attributes of the buried object.
- Analysts use this information to determine whether the buried object is likely a munition or harmless debris.



DoD Support for Advanced Geophysical Classification

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- Senior DoD leaders support advanced geophysical classification for cleaning up MRSs, where appropriate, because we believe that the technology enables us to do more with less.
- Advanced geophysical classification is a tool in the cleanup toolbox – that may maximize effectiveness while minimizing financial liabilities and the environmental footprint.
- The DoD Manual 4715.20, “DERP Management,” March 9, 2012, provides guidance that supports using technologies that increase overall effectiveness, such as advanced geophysical classification.



Technology Transfer Activities

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- DoD began implementing an advanced geophysical classification technology transfer plan last year. Current activities and initiatives focus on:
 1. Identifying, assessing and resolving relevant concerns
 2. Assuring data quality
 3. Defining training needs
 4. Developing an accreditation program



Identify, Assess, and Resolve Concerns

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- Surveyed regulators' and other stakeholders' to identify concerns and their willingness to support and approve advanced geophysical classification.
- The Munitions Response Dialogue (MRD) discussed the concerns and identified solutions to assist in successfully transitioning advanced geophysical classification to commercial use.
- We are using this information to guide us in developing tools to support transitioning the technology to commercial use.



Assuring Data Quality

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- Quality Assurance Project Plan (QAPP) ensures consistent data quality through standard quality assurance/quality control.
- The Intergovernmental Data Quality Task Force (IDQTF) is working closely with DoD on developing the advanced geophysical classification QAPP.
- IDQTF conducted an alpha test of the QAPP at the San Luis Obispo FUDS, CA in August 2014.
- IDQTF updated the QAPP based on the alpha test and comments that the DoD, States, and National Association of Ordnance Contractors submitted.
- IDQTF has scheduled the QAPP beta test for Summer 2015 at Buckley Field FUDS, CO and plans to finalize it as a “living document” in Calendar Year (CY) 2015.



Assuring Data Quality cont.

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- Target of Interest (TOI) Library
 - DoD is updating the TOI Library and will host it on one of its servers.
 - The United States Army Corps of Engineers (USACE) will manage the TOI library on an internal DoD server to maintain quality control.
 - USACE plans to update the library every six months, archive older versions of the library, and ensure version control.
 - The library will be a government furnished item.
 - DoD plans to finish the TOI library in CY 2015.



Defining Training Needs

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- Educate and build confidence among regulators
 - Working with the MRD to evaluate current training opportunities and determine what training is necessary to ensure the success of advanced geophysical classification.
 - Hosted a field observation using the advanced geophysical classification technology at the San Luis Obispo FUDS to identify training needs and quality control concerns.
 - Preparing a matrix of existing training opportunities that cover advanced geophysical classification.
 - Will update the matrix regularly.
 - Let DoD leadership know of specific training you think is necessary for the successful use of advanced geophysical classification.



Accreditation Program

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- DoD is establishing an advanced geophysical classification accreditation program to ensure contractors perform quality work.
- The DoD Advanced Geophysical Classification Accreditation Program:
 - Is a unified DoD program through which organizations implementing advanced geophysical classification can demonstrate competency and document conformance to a set of requirements defined by DoD.
 - Will use third-party Accreditations bodies.
 - Will promote the collection of known and documented quality advanced geophysical classification data, which will be acceptable for contract fulfillment and to regulators.



Next Steps

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- We are focusing on the following steps to expedite transition of advanced geophysical classification.
 - Establish the tools necessary to support transition of advanced geophysical classification to commercial use.
 - Finalize the TOI Library.
 - Conducting a beta test and finalizing the QAPP.
 - Standing up the advanced geophysical classification accreditation program.
 - Continue supporting the MRD and other education and outreach efforts.
 - Communicate information on advanced geophysical classification.
 - Stakeholder buy-in.
 - Feedback from the regulatory community.



QUESTIONS?

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