

*Supporting the DoD Operational Range Sustainment  
Program and Building the  
Military Munitions Response Program*



**29th Environmental and Energy Symposium & Exhibition  
Session 20**

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Office of the  
Assistant Deputy Under Secretary of Defense (Environment)**

**April 9, 2003**



# Overview

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- **Organization**
- **Framework for Action**
- **Congressional Direction**
- **Current Activities**



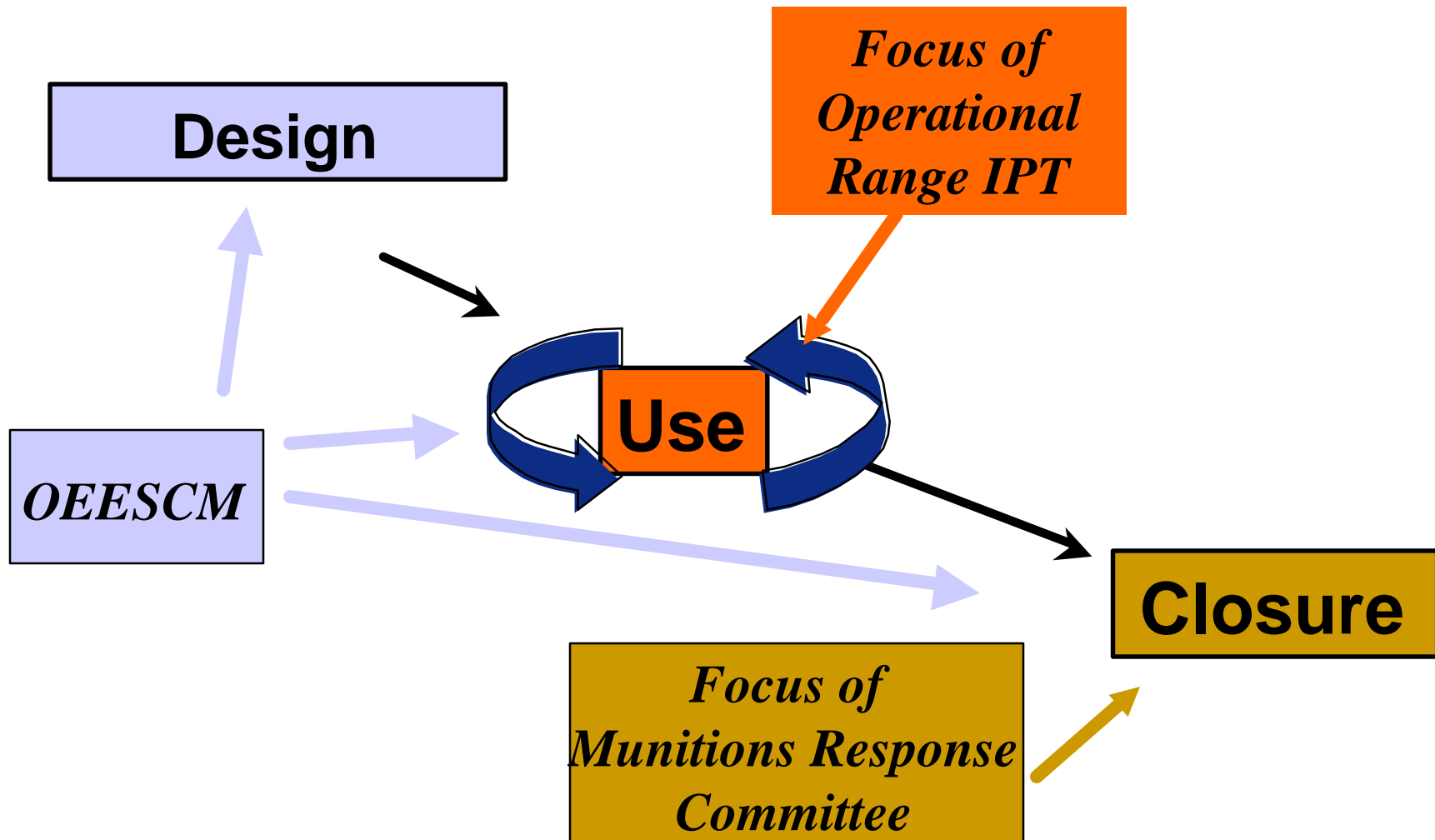
# Organization

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- **Operational Test and Training Ranges**
  - Integrated Product Team
  - USD(P&R), DUSD(I&E), DUSD(R), OT&E
  - Working IPT
- **Operational and Environmental Executive Steering Committee for Munitions**
  - Co-Chairs: Army DAS(ESOH) & Service Operator
  - Six Sub-Committees
- **Munitions Response Committee**
  - OSD, Services, DDESB, EPA, States, Affected Tribes, USDA and DOI

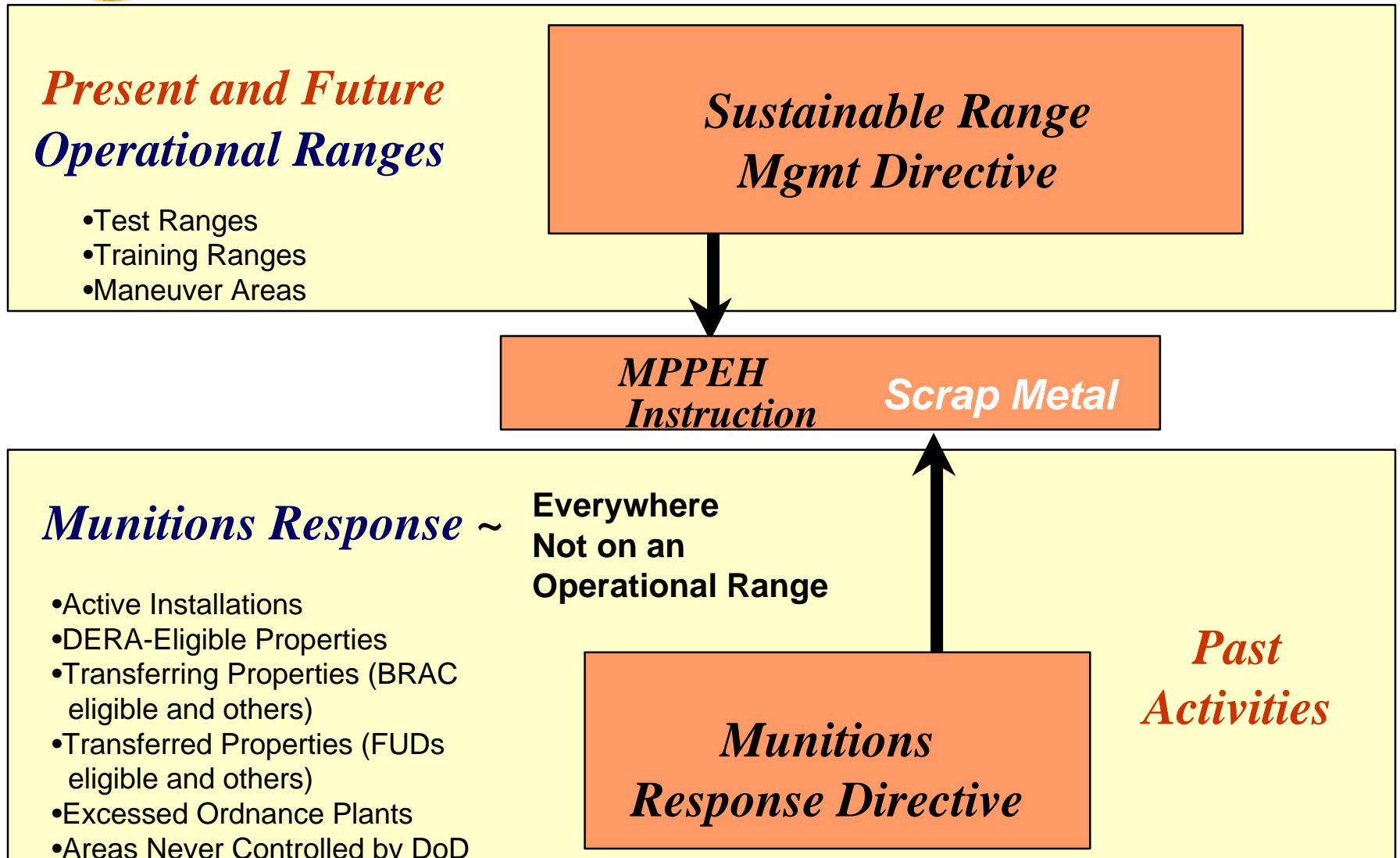


# Range Life-Cycle



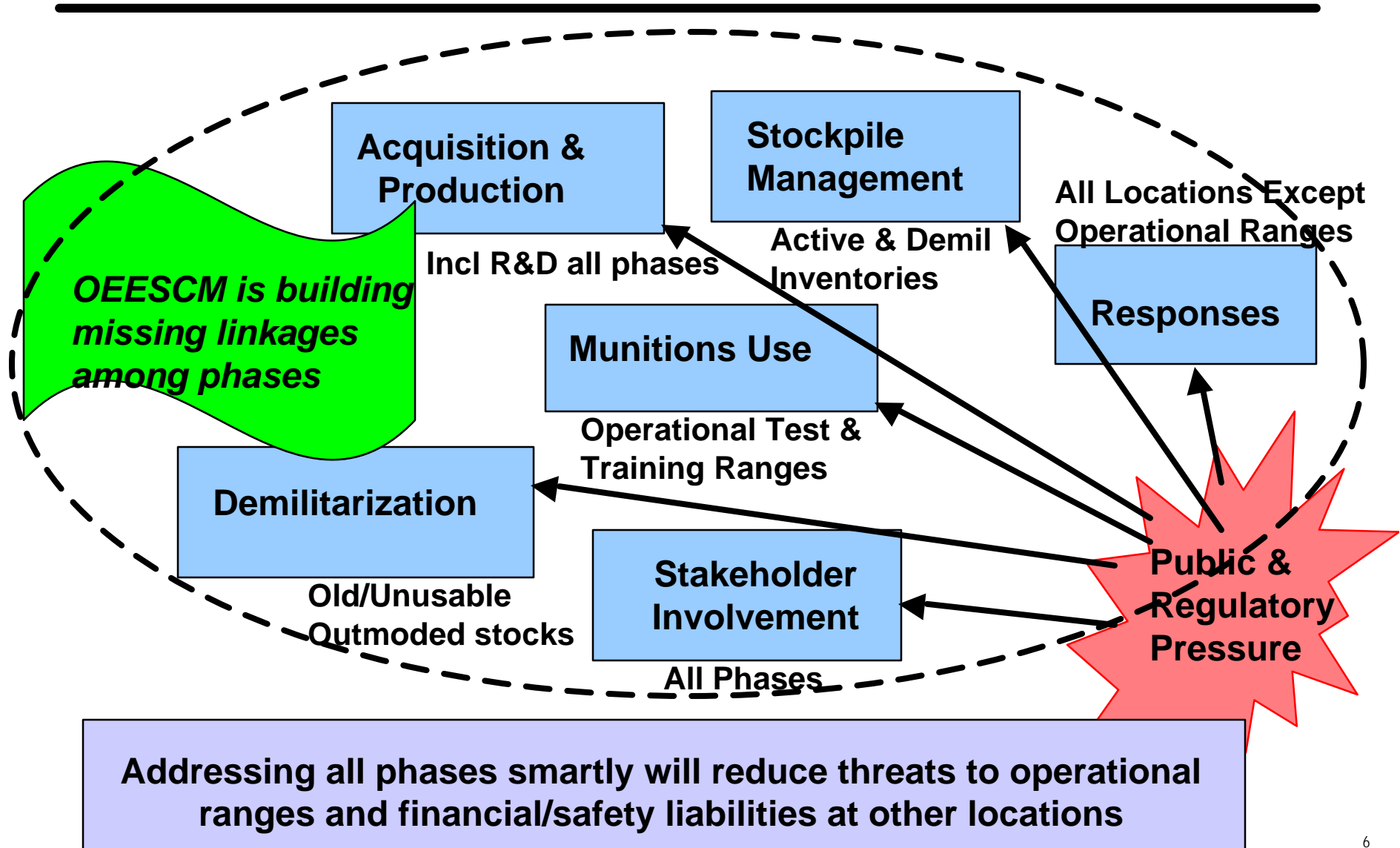


# Context



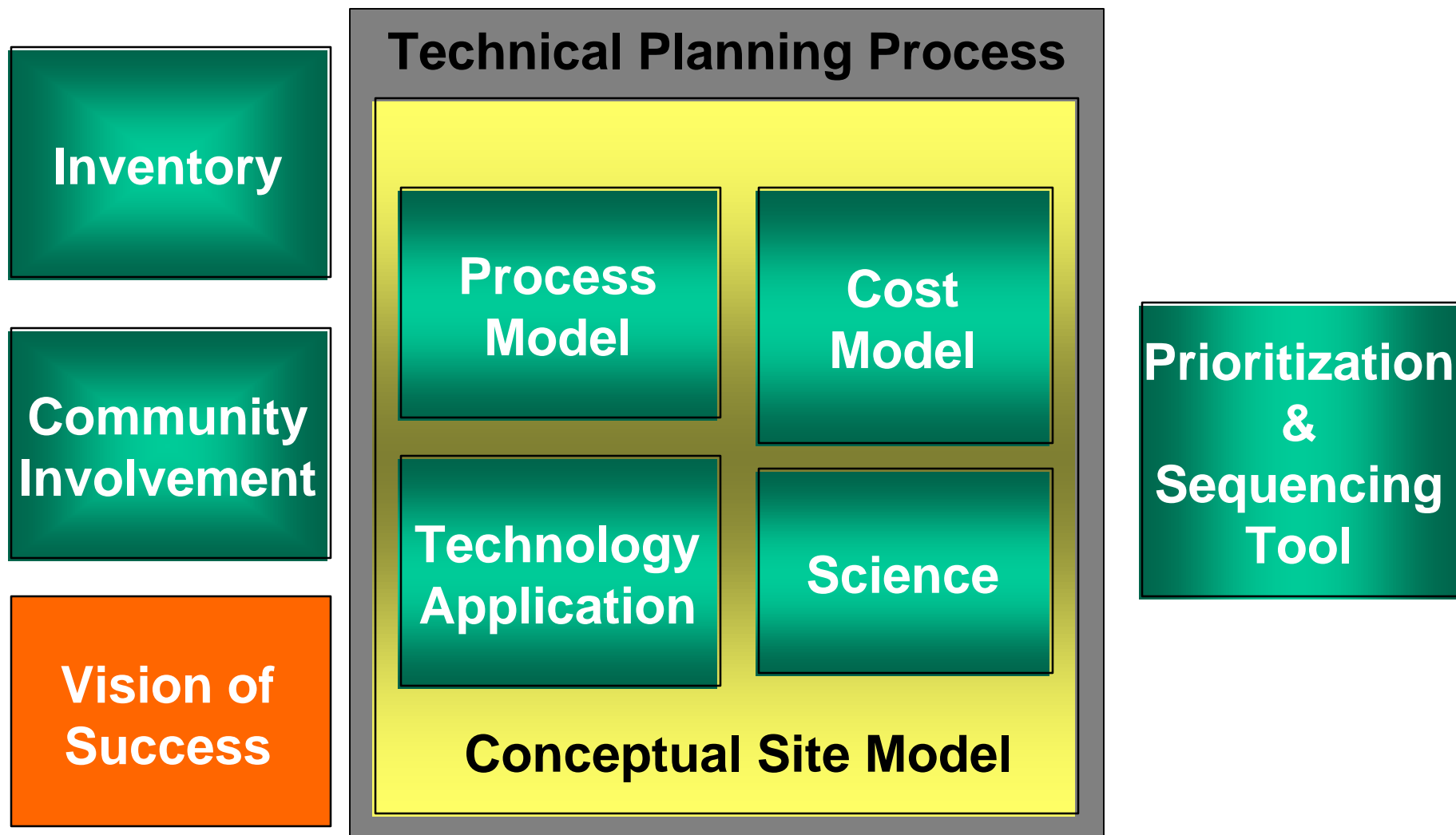


# Munitions Life Cycle OEESCM





# Framework for Action





# Definitions

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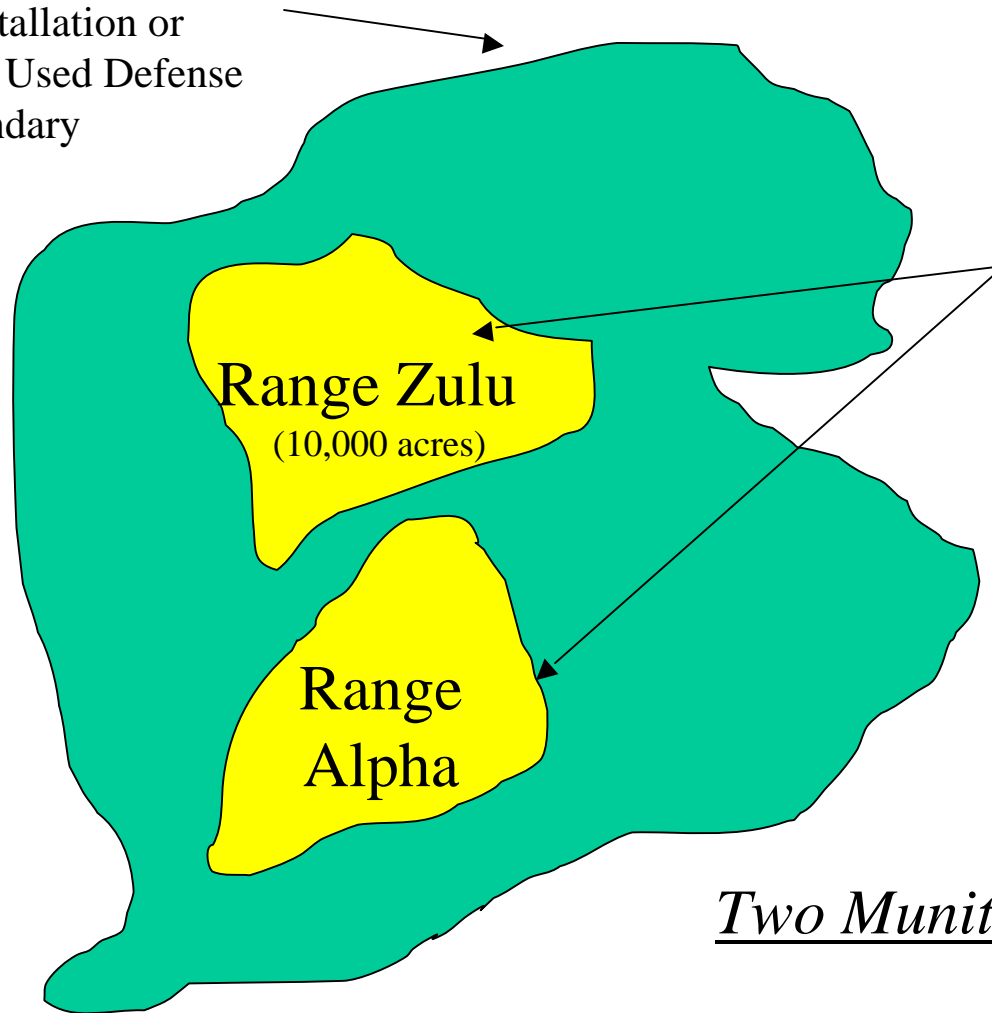
- Operational Test and Training Ranges
  - Active and Inactive
- Munitions Response
  - Everywhere not on an operational range
- Munitions and Explosives of Concern (MEC)
  - Unexploded Ordnance
  - Discarded and Abandoned Munitions
  - MC that are explosives in media in high enough concentrations such that they present an explosives hazard
- Munitions Constituents (MC)
- Munitions Response Area and Site





# Defense Site – MRA Relationship

Defense Site—Installation or Formerly Used Defense Site Boundary



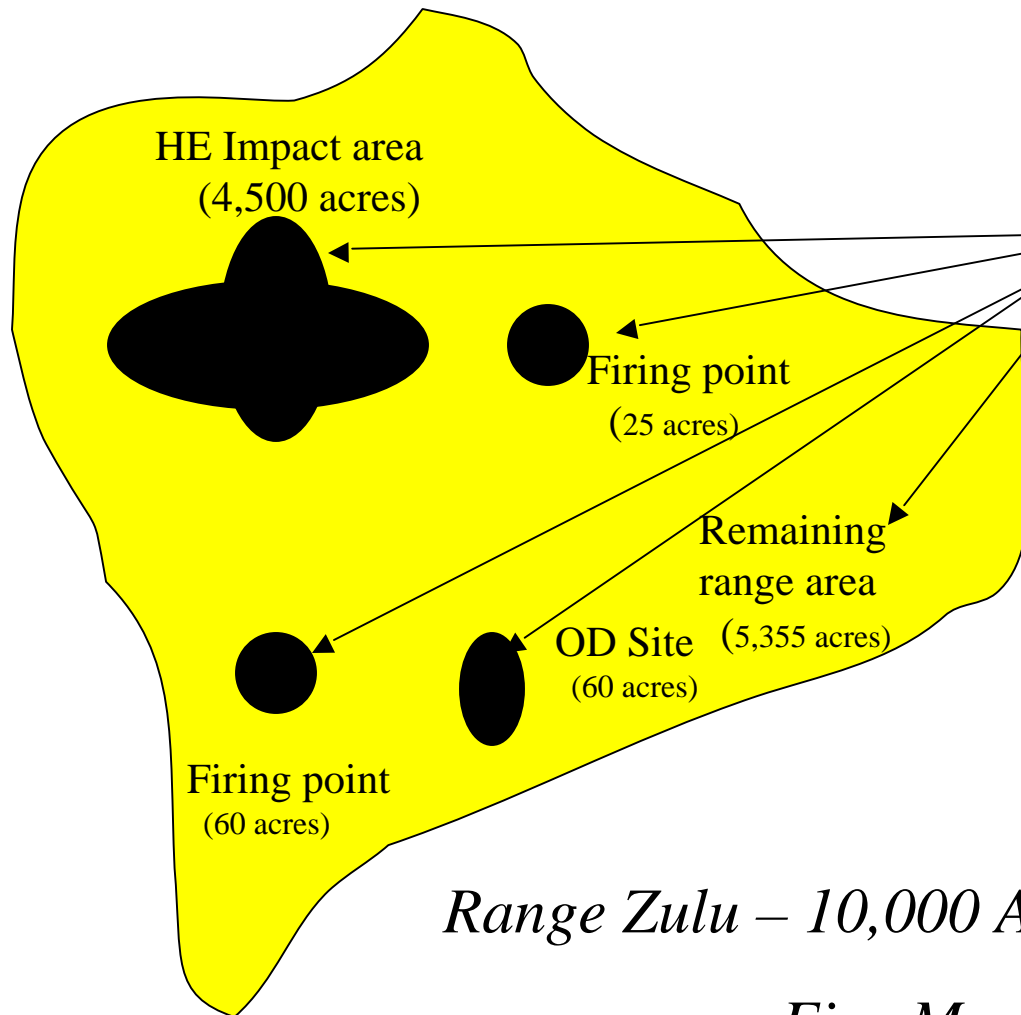
Munitions Response Areas (MRA)—areas within an installation or FUDS that is known or suspected to contain UXO, DMM; or MC.

Installation 'X'

Two Munitions Response Areas



# MRA – MRS Relationship



## Munitions Response Sites (MRS)

--All acres require some action to either rule out, or determine the presence of and address, UXO, DMM or MC:

- HE Impacts area: 4,500 acres
- Firing points (2): 85 acres
- OD Site: 60 acres
- Remaining range: 5,355 acres

*Range Zulu – 10,000 Acres*

*Five Munitions Response Sites*



## Defense Authorization Act of 2002 Sections 311 & 312

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- **Section 311 Applies to Munitions Response Areas**
  - Initial Inventory by 31 May 2003
  - Develop a Prioritization Methodology by 30 November 2002
  - Annually Update and Share with the Public
  - Provides Definitions
- **Section 312 Requires a Program Element**
  - Established



## **Defense Authorization Act of 2002**

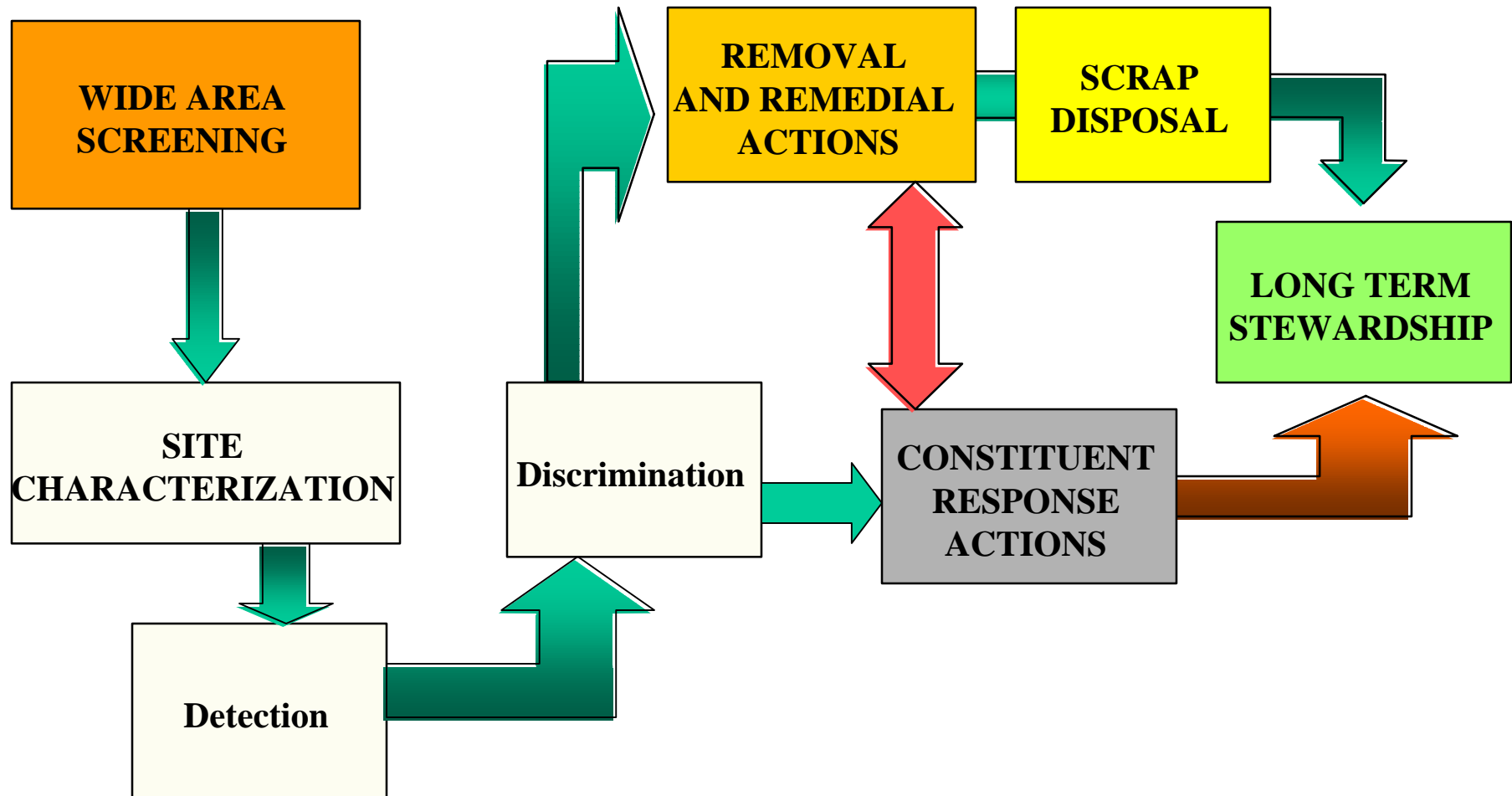
# **Section 313**

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- **Section 313**
  - **Estimate Remediation Costs at Operational Ranges and Munitions Response Areas**
  - **Comprehensive Plan for Munitions Response Areas**
  - **Assessment of Available Technology**
  - **Assessment of Technology Impact**
  - **Provide a Technology Plan**
- **Final Report Due in April 2003**



# Technology Application





## **Munitions Response Committee Background**

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- **Proposed Range Rule**
  - **November 2000 -- Withdrawn from OMB**
    - **Commitment to Work with others**
- **States**
  - **Environmental Council of States (ECOS)**
    - **Association of State and Territorial Solid Waste Management Officials (ASTSWMO)**
  - **National Association of Attorneys General (NAAG)**
- **US EPA, USDA, DOI**
- **Affected Tribes**



## **Munitions Response Committee Desired Outcomes**

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- **Collaborative Decision Making Process**
  - **Meaningful Role**
- **Ensure Protectiveness of Response Actions**
  - **Explosives Safety**
- **Promote Consistency across Services, Tribes, States and EPA Regions**
- **Address Complexity and Scope of Challenges**
- **Provide Lessons Learned to Others**



## Munitions Response Committee Current Focus

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- **Roles and Responsibilities Matrix**
  - Process
  - Decision Points
  - Issues and Challenges
  - Tools
- **Mutual Agreement**
  - Dispute Resolution
  - Reservation of Rights





## Munitions Response Committee

# Collaborative Decision Making Framework

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- **Integrated, coordinated approach for planning and conducting munitions response activities**
- **Identifies key decision points**
- **Uses a process based on mutual agreement**
- **Describes a tiered partnering (dispute) resolution process for resolving conflicts**



## Munitions Response Committee

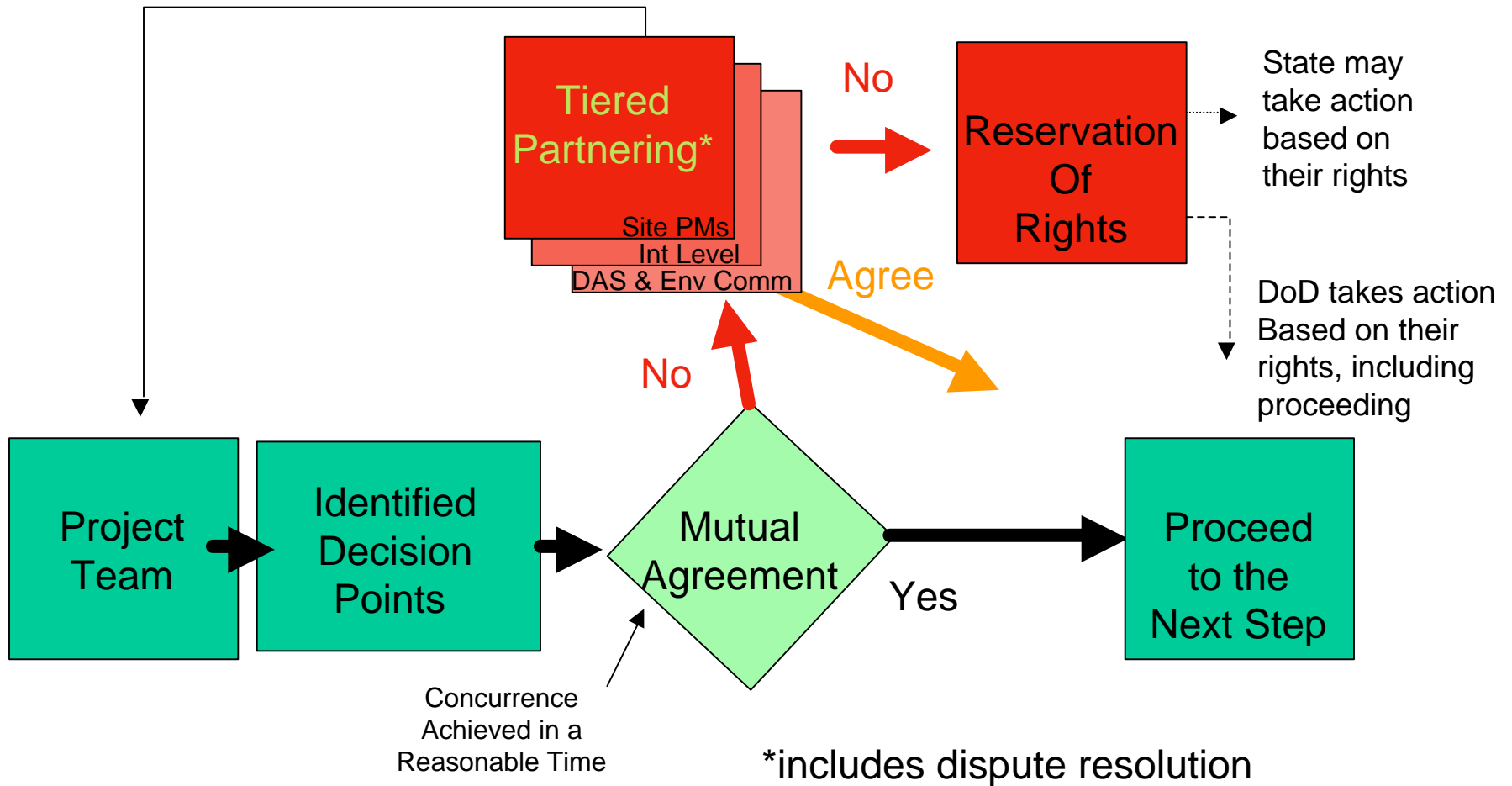
# Example Critical Decision Points

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- **Site determination**
- **Removal/Remedial Action determination**
- **Removal/Remedial Investigation work plan development**
- **Remedy Selection**
- **Completion of response action activities**



# Munitions Response Committee Mutual Agreement





## Munitions Response Committee

# CDM Process Memorialization

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- **DoD issues implementing guidance**
  - Directive, Instructions
- **States will adopt resolutions through their state organizations (ECOS, ASTSWMO, NAAG)**
- **DoD may publish a Federal Register Notice**
  - Jointly if agreement of USEPA and Federal Land Managers can be secured



## Opportunities Defense Science Board

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- **Task Force**
  - Established August 2002
  - Report Due June 2003
- **Role of Technology for Munitions Response**
  - Improve effectiveness
  - Accomplish in a reasonable time
- **Role of Technology for Operational Ranges**
  - Minimize environmental impact



## Opportunities Level One UXO Technician

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- **Texas A&M Course**
  - Appears to be well received
- **Future?**
  - Other locations?
- **Certification Issue**
  - DoD establish baseline by skill
  - Industry validate course
  - Contractors certify employees



# Opportunities Partnerships

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- **ITRC**

- Archive Search Reports
- Geophysical Prove out
- Conceptual Site Model
- Training

- **USEPA**

- Handbook
- Example QAPP
- Program Management Guide
- Conceptual Site Model
- Training



## Opportunities GAO

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- **April 2001 Report**
  - **Inventory**
  - **RACER**
  - **Point of Contact**
  - **Financial Liability Guidance**
- **New Report to Assess:**
  - **Legal requirements that govern cleanup**
  - **Potential risks**
  - **Progress made by DoD**
  - **DoD's Plan**





# DoD Guidance

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- **DoDD 4715.11 & 4715.12**
  - **Operational Range Management**
- **OEESCM Munitions Action Plan**
- **Defense Environmental Restoration Program Management Guidance**
- **Draft Sustainable Range Directive**

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- ***Draft Stakeholder Involvement Directive***
- ***Draft MPPEH Directive***
- ***Draft Munitions Response Directive***
- ***Draft Operational Range Clearance Policy***
- ***Draft Munitions Rule Implementation Directive***
- ***Updating DDESB Guidance***



## Other Opportunities

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- **Life Cycle Management**
  - Green Munitions
  - Increase Munitions Reliability
- **Geographic Information Systems**
  - Inventory Visibility
  - Conceptual Site Model
- **Public Interface**
  - Munitions Dialogue
  - Wildfire Firefighting & UXO
- **Industrial Capacity**
  - Work Force
  - Equipment



## Other Opportunities

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- **Financial Management**
  - Program Objective Memorandum (POM) Exhibits
  - Liability Guidance and Assessment
- **Contracting Methods**
- **Lower Program Cost**
  - Technology
  - Transaction Costs
  - Project Management
  - Program Management
- **Program Goals ~ What is done?**
  - Long Term Management



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# Questions?



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***Building Trust  
By Doing the Right Thing!  
And Getting to Done***

**Department of Defense**  
***Special Assistant for UXO  
Matters***

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