

*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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Overview

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

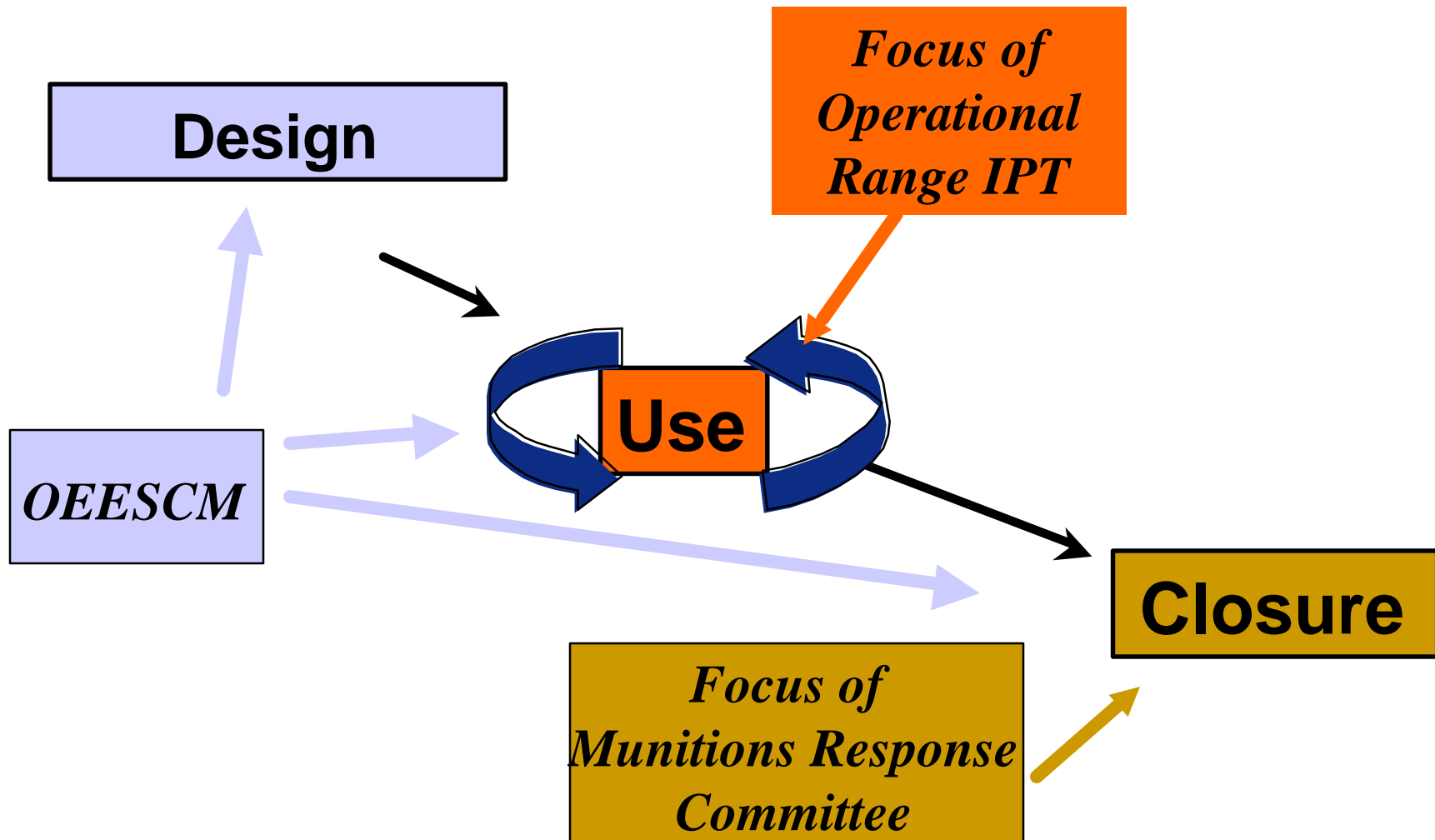


Organization

- **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

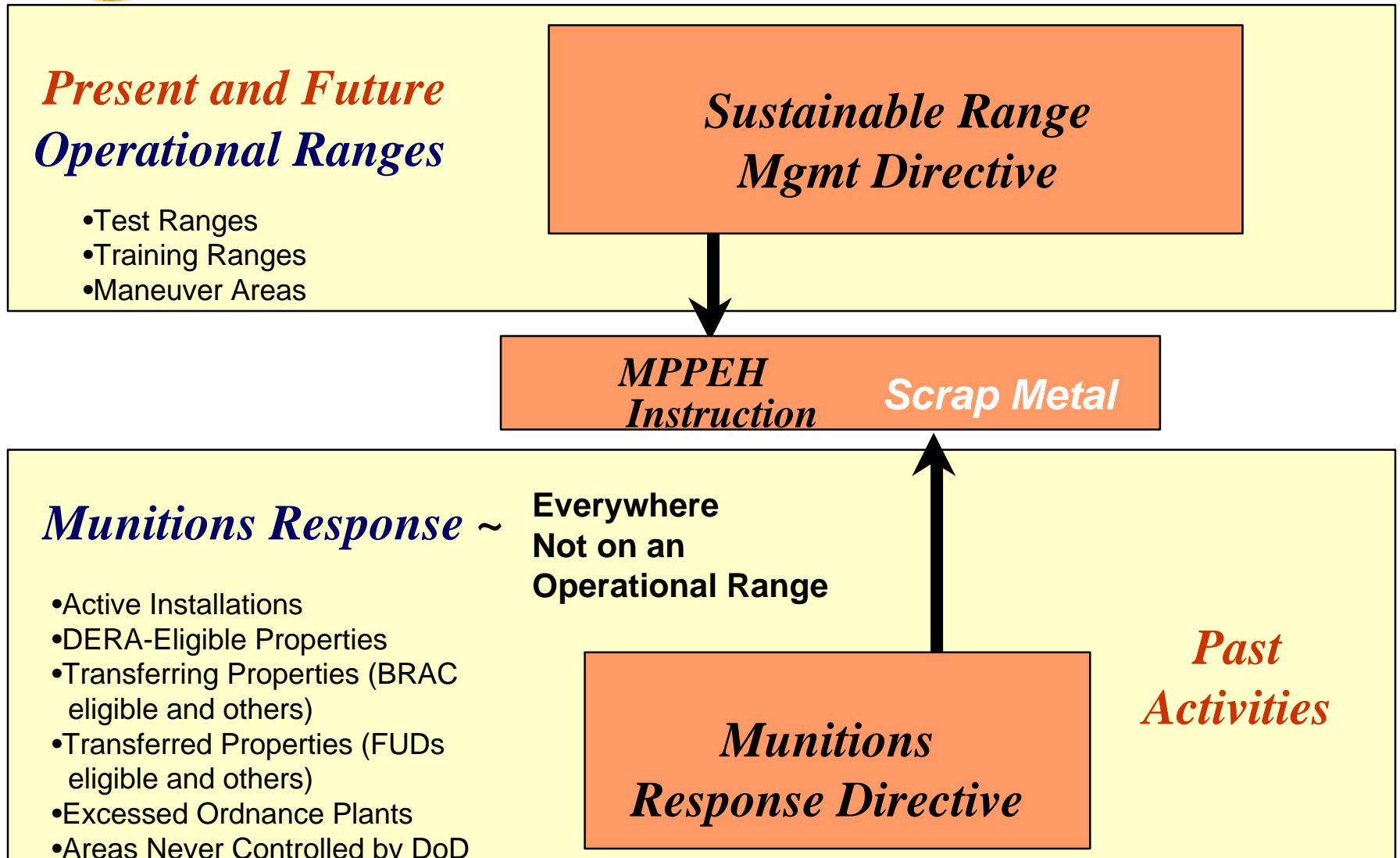


Range Life-Cycle



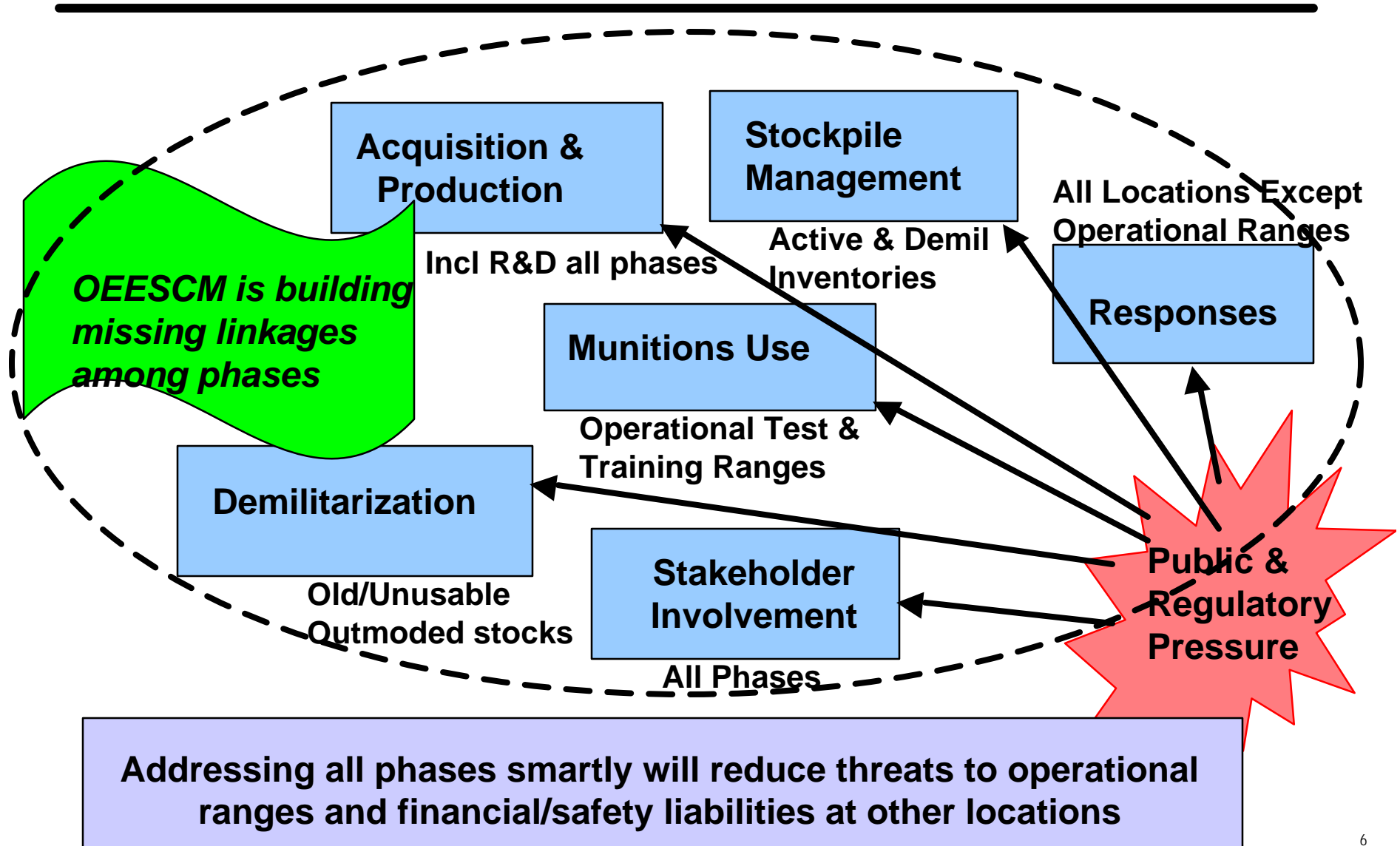


Context



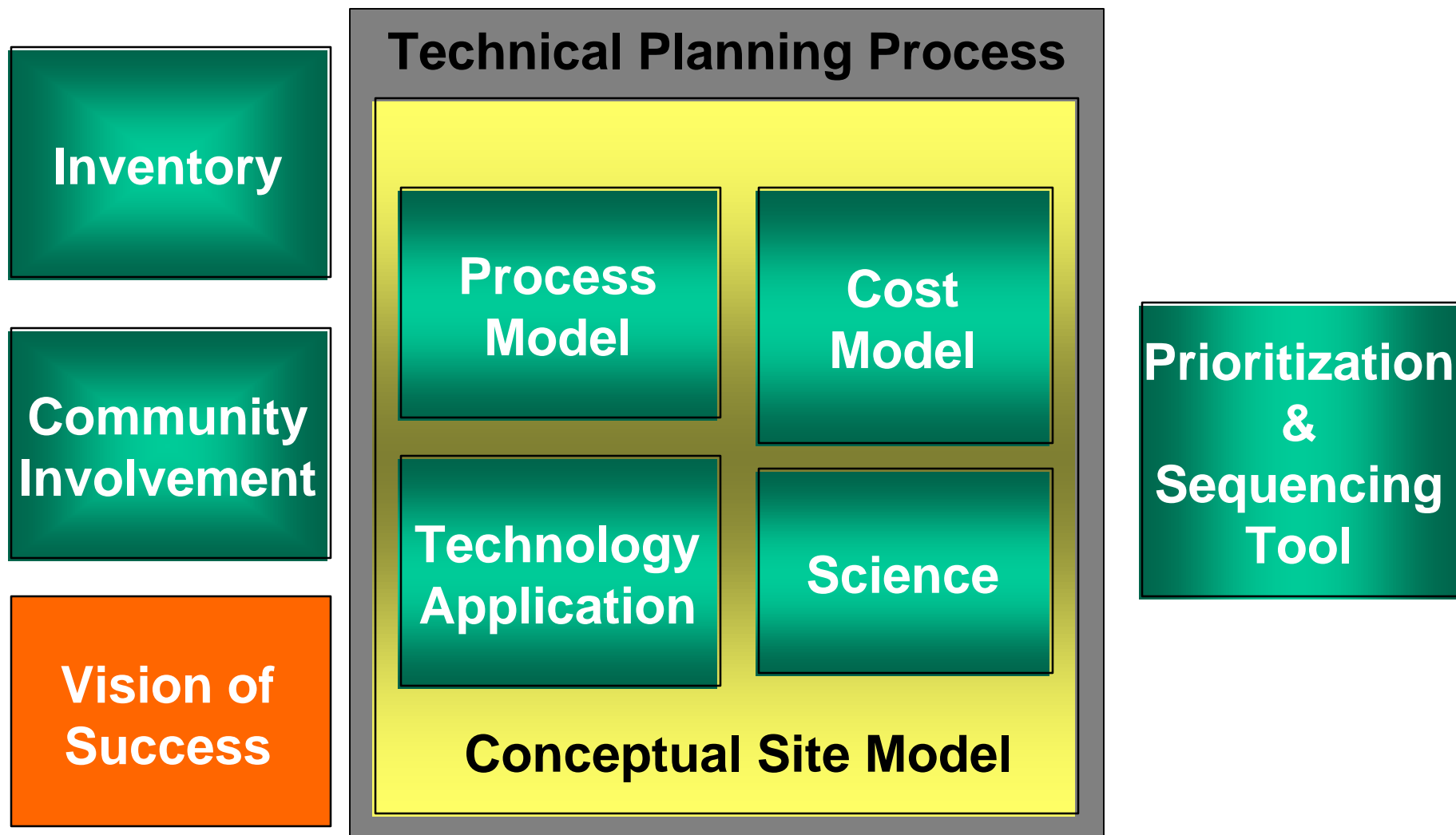


Munitions Life Cycle OEESCM





Framework for Action





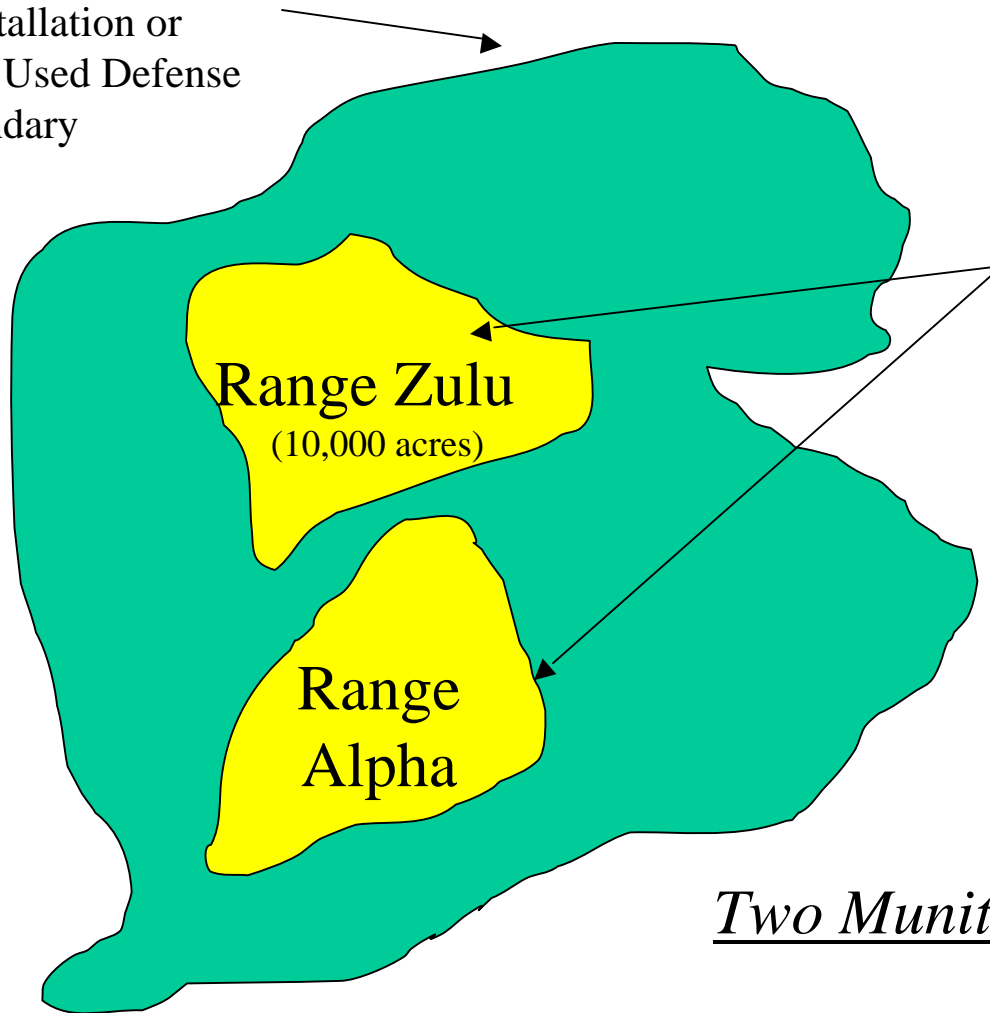
Definitions

- 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



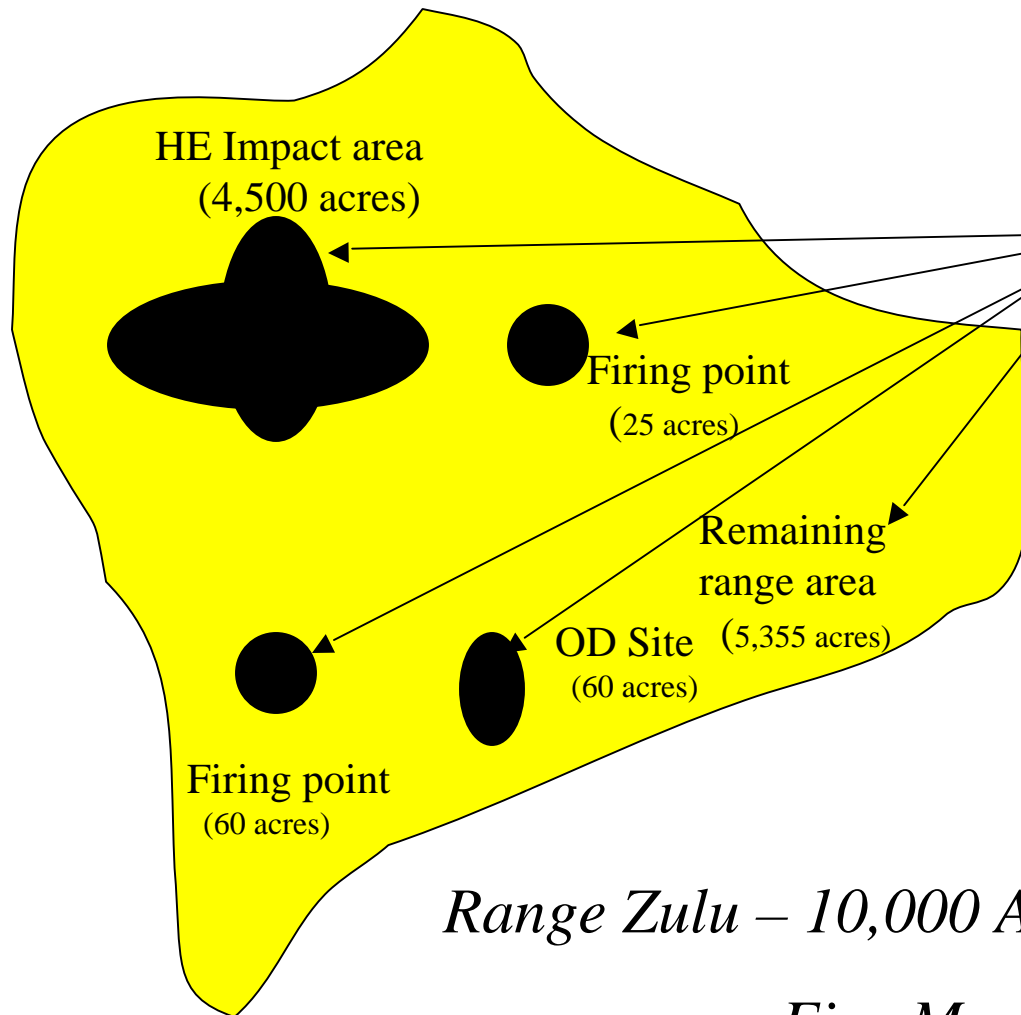
Munitions Response Areas (MRA)—areas within an installation or FUDS that is known or suspected to contain UXO, DMM; or MC.

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

- **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



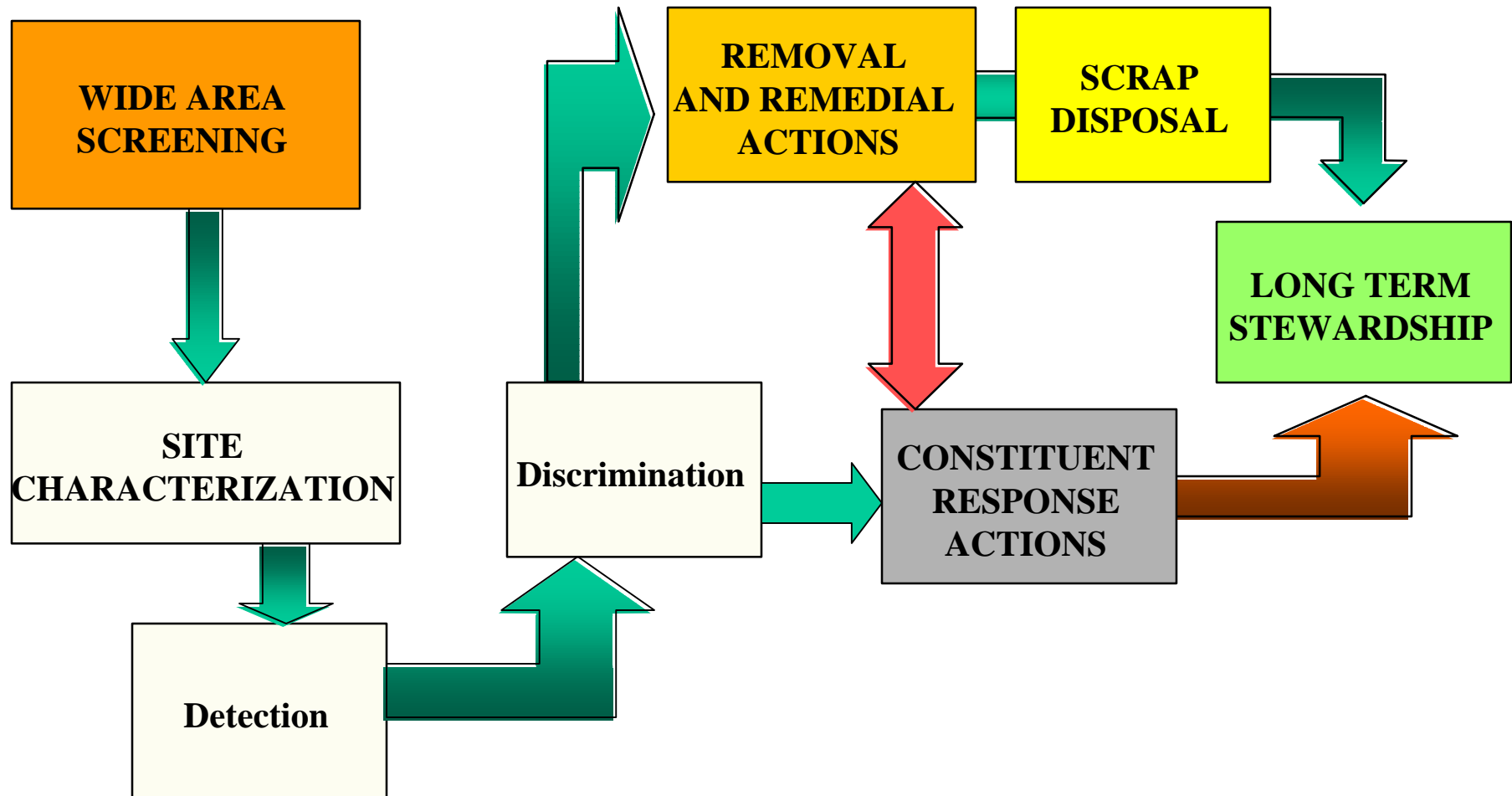
Defense Authorization Act of 2002

Section 313

- **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

- **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

- **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

- **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

- **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**



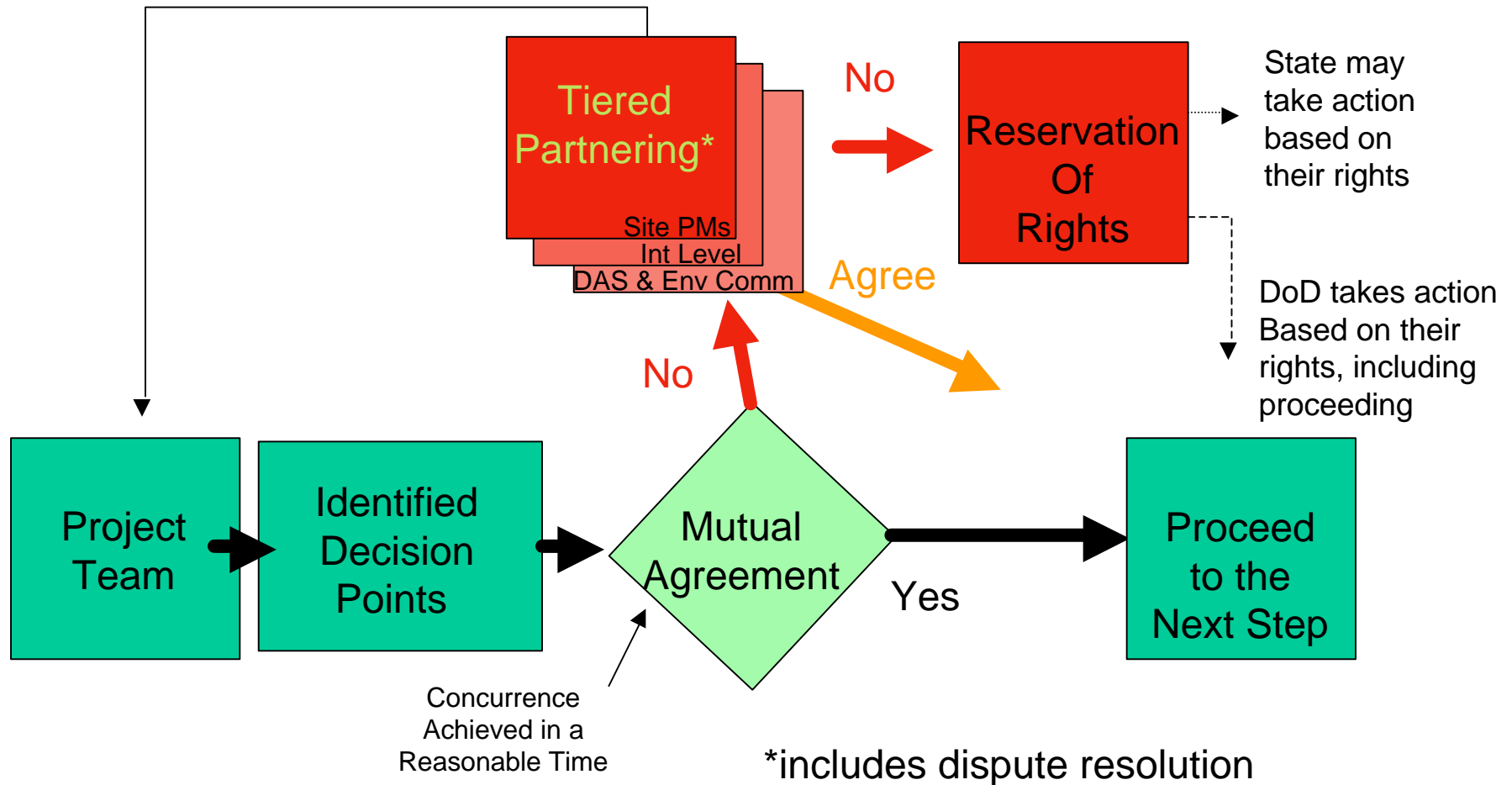
Munitions Response Committee

Example Critical Decision Points

- **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

- **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

- **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

- **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

- **ITRC**

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

- **USEPA**

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



Opportunities GAO

- **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

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

- ***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

- **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

- **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



Questions?



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

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

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