Welcome to Munitions Response and Remediation

Moderator: Mr. Hud Heaton, AMEC
Speakers: Mr. Jonathan Haliscak, AFCEC
          Mr. Eric Green, NAVFAC Southwest
          Mr. Geoff Buckner, NAVFAC Southwest
Air Force Range Encroachment
**Encroachment**

Encroachment: any deliberate action by any governmental or non-governmental entity or individual that does, or is likely to inhibit, curtail, or impede current or future military activities within the installation complex and/or mission footprint; or deliberate military activity that is, or is likely to be incompatible with the use of a community’s resources.
The Major Issues

- Frequency/Spectrum
- Natural Resources/T&E Species/Critical Habitat
- Airspace and Land
  - Remotely Piloted A/C
  - 4th & 5th generation fighters
  - Greater standoff in weapons delivery/larger safety footprints
- Water Resources
- Energy Compatibility
- Airborne Noise
Encroachment on training and test ranges, airspace, military installations and electromagnetic spectrum is a critical issue for DoD and the services.

Requires a comprehensive process that includes engagement with Federal, State, and local government stakeholders.

Establishes the need for action at all levels of leadership: Installation, MAJCOM and Air Staff.

Must interact with newly established DoD Siting Clearinghouse—a single DoD voice promoting compatibility between energy security and military capabilities.

Requires resourcing while leveraging existing organizational structure.

Building On - Not Replacing, Existing Tools and Programs
AFI 90-2001 Framework

Organize
- Leadership Involvement
- Cross-Functional Management Teams
- Elevating Issues
- Community Planning and Liaison Officer
- Installation Complex
- Mission Footprint

Assess
- Encroachment Assessment
- Installation Complex
- Encroachment Management Action Plan (ICEMAP)
- Host Tenant Relationships
- Stakeholder Relationships

Monitor
- IC/MF Conditions
- Establish Monitoring Procedures
  - Media
  - Legislation/Regulations
  - Technology

Act
- Execute ICEMAP
- Develop and Maintain Stakeholder Relationships
- Execute Engagement Strategies
- Build Resource Requirements
- Develop and Conduct Education and Training

Engagement across the AFEM Framework once ICEMAP is developed
**Concept: Installation Complex / Mission Footprint**

**Installation Complex:** The land, facilities, airspace and ranges providing direct mission support to and/or are managed by the installation.

**Mission Footprint:** The installation complex plus any land, facilities, airspace and/or ranges which is not managed by the installation, but which provides direct, routine support to the mission.
AF Encroachment Management Process

U.S. AIR FORCE

- Airspace and Ranges Issues
- Renewable Energy Projects
- Installation Issues

Inform Developer, State or Local Officials

Installation Commander

MAJCOM(s)

MAJCOM Encroachment Issues

A3O-BA
AF/TE
Other Functionals

EMWG or BRRP
Presents to (SB-ESG)

AF Position

SB -ESG reviews/recommends AF position

AF Corporate Struct As Req’d

FAA / Bureau of Land Management (BLM)

AFCS Touch Point
SECAF/CSAF vector check/approval
PAG/CEP

* Address lowest level possible

Renewable Energy projects to OSD/ESC

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Opportunities

- Educate yourself about ICEMAP
- Are your planners familiar with the various aspects of AF mission support and integrating military requirements with the surrounding communities?
- How water savvy are your engineers? What water capture and recycling opportunities can be implemented (cost effectively)?
- Are your engineers well schooled in Energy Compatibility/Energy Security (do they have novel ideas for supporting AF goals)?
- Are your architects competent in affordable LEED Platinum design? (Comparable to standard building costs)
- Will it be an engineer, scientist, or a ‘whiz kid’ who increases efficiency of spectrum usage, thus reducing competition?
- Can your staff think outside the box to find solutions?
A Question:

Do you, in the course of your normal business operations, interacting with State and Local governments as well as the commercial sector, keep the military in mind, and when there are potential adverse impacts by one of these entities’ initiatives, ask if they realize the potential impacts to military operations? Are you prepared to offer potential compatible solutions?

Thank you for your time – I look forward to your questions

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Sustainable Ranges Initiative

Presented by
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Sustainable Ranges Initiative

• Components include:
  – Range Complex Management Plan
    • Both Regional and Installation Level
  – Range Environmental Vulnerability Assessment
  – Operational Range Clearance Program

Source 2013 Report to Congress on Sustainable Ranges
Sustainable Ranges Initiative

• Critical Issues

  – Current Range Capabilities
    • Limited capability to conduct large force training exercises
    • Reliance on other services ranges for training
    • Aviation Training Range on East Coast with capabilities as those provided by MCAS Yuma
    • Preserve and enhance capabilities of primary amphibious training bases at Camp Pendleton and Camp Lejeune

Source 2013 Report to Congress on Sustainable Ranges
Sustainable Ranges Initiative

• Encroachment
  • Constrains the use of Marine Corps installations for realistic military training
    - Population growth, increased levels of environmental regulation and expanding development in the regions that are home to Marine Corps installations

Source 2013 Report to Congress on Sustainable Ranges
Range Complex Management Plans

• Develop Regional (East Coast/West Coast/Pacific) and Installation specific RCMP documents.
  – Inventory and assessment of ranges training area and facilities
  – Identify and analyze required capabilities shortfall derived from large scale and formal school training needs
  – Outline investment needs for range improvement and modernization
  – Identify and analyze encroachment and sustainment challenges
  – Recommendations for environmental planning
  – Develop strategic vision for range operations with 25 yr planning horizon

Source MCI WEST RCMP
Range Environmental Vulnerability Assessment

• Key Component of Marine Corps Sustainable Range Program
  – Non-regulatory, proactive, and comprehensive approach for environmental sustainability for Marine Corps operational ranges.
  – Provides “snapshot” of current environmental condition of operational ranges across the Marine Corps
  – Detailed assessment of potential Munitions Constituents movement on range
  – Assists installation and range managers in formulating strategies for long term range management

Source FAQs REVA Program
Operational Range Clearance Program

• MCO 3550.12 Operational Range Clearance Program
  – Defined
    • Destruction/removal and proper disposition of military munitions and other range related debris
  – Provide for Safe and Sustainable Ranges
  – Enhance operational range safety by preventing accumulation of UXO and debris that inhibits the safe use of ranges
  – Ensure long-term viability and utility to meet National Defense Mission

Source Marine Corps ORC Program
Operational Range Clearance Program

• Lessons Learned
  – Coordinate Range Clearance/Sustainment Operations with other maintenance activities on training area to leverage downtime
  – Process range related debris post clearance if RHA’s are outside of range boundary
  – Certify material as Material Documented as Safe (MDAS) prior to it coming off range

Source Marine Corps ORC Program
Operational Range Clearance Program

• By The Numbers
  – MCB Camp Pendleton, MCAS Yuma and MCAGCC 29 Palms
    • Over 100 target areas/ranges cleared to baseline
    • 10,000 acres surface cleared
    • 22 Million pounds of range related debris processed and recycled
    • 53,000 UXO items destroyed

Source Marine Corps ORC Program
Cactus West
Cactus West
MCAS Yuma Mock Runway

Source Marine Corps ORC Program
Questions?
Navy Range Sustainment

Tactical Training Theater Assessment and Planning (TAP) Program

Geoff Buckner
Naval Facilities Engineering Command
22 May 2013
Tactical Training Theater Assessment and Planning (TAP)

Comprehensive, integrated process to evaluate, sustain, upgrade, modernize, & transform Naval Ranges, Operating Areas & Special Use Airspace that support the Fleet Readiness Training Plan

REDUCES RISK OF LIMITATIONS ON ACCESS OR LOSS OF RANGES
- Improves posture regarding litigation
- Identifies encroachments that disrupt training
- Avoids costs for range replacement

OPTIMIZES RANGE CAPABILITIES TO SUPPORT MISSION ESSENTIAL TRAINING
- Dedicate resources to sustain ranges
- Prepares for future capabilities

RESPONDS TO CONGRESSIONAL, OSD, SECRETARIAT INTEREST

To ensure ability to “Train as we fight.”
Training Capabilities Sustainment

- Environmental planning documentation – National Environmental Policy Act (NEPA)
- Marine Species Density Data (MSDD)

Range Capabilities Sustainment

- Range Complex Management Plans (RCMP)
- Operational Range Clearance (ORC)
- Range Sustainability Environmental Program Assessment (RSEPA)
SUSTAIN & OPTIMIZE Fleet Range Complex Capabilities to support mission essential Training & Testing

- Assesses current Range Complex capabilities, operations, environmental “coverage” & encroachment
- Conducts long-term Range Complex planning
  - Projects 5-year vision of range complex roles & missions
  - Identifies gaps between current range capabilities & environmental coverage, and those required to support long-term vision
  - Recommend projects to optimize range capabilities and management, close environmental coverage gaps, mitigate encroachment pressures
- Generate recommendations for Range Complex investment strategy for long-term range sustainment

CNO N45 resource sponsor
Environmental Planning Support

Studies, permits & other reports that ensure all current and future fleet training activities and investment actions within a range complex comply with environmental laws

- Provides comprehensive planning coverage for operational training and testing
  - Achieves environmental compliance requirements (e.g., MMPA/ESA permits and monitoring)
  - Incorporates existing environmental compliance efforts
  - Determines appropriate planning options and alternatives
  - Considers range capability investment recommendations

CNO N45 resource sponsor
Environmental assessments of active Navy land-based and offshore ranges focusing on munitions constituents as potential contamination

RSEPA employs a graduated assessment approach

- Range Condition Assessments (RCA)
  - On-range compliance with E-Laws (RCRA, CWA, CAA, etc)
  - Assess potential for off-site migration of munitions constituents

- Comprehensive Range Evaluations (CRE)
  - Conducted when RCA finds evidence of off-range migration, buried munitions on-site, or high public interest or controversy
  - Includes sampling and modeling

- Protective Measures

CNO N45 resource sponsor
Clearance of UXO & munitions/target debris from active Navy land-based impact areas

- Routine clearance to maintain target integrity & range safety
  - ORC programs in place at Fallon, El Centro, Boardman, San Clemente Island, Farallon de Medinilla, Pinecastle, Dare County, Mcmullen, Meridian, and Rodman
  - Includes designing/constructing secure range debris management areas

- As secondary benefit, ORC reduces risk of off-range munitions contamination
Comprehensive documentation of marine resources

- Organized by OPAREAs
- Constitutes best available data for MMPA/ESA
  - Navy OPAREA Density Estimates
- Supports environmental planning & regulatory compliance requirements
- Supports on-going compliance (e.g., sonar efforts)
NAF EL CENTRO TODAY


TAP Summary

- Programmatic compliance strategy for Ranges/OPAREAs
- Places us in most defensible legal position
- Environmental planning efforts are complicated
  - requiring extensive coordination
  - permitting from other Gov’t agencies
  - public involvement