

**Encroachment Analysis and
Management Baseline Conditions
Report
and**

**Encroachment Action Plan
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Introduction to Presentation

- **High-level summary of an encroachment analysis and planning project**
- **Encroachment analysis and management described here is systematically organized and executed through development of a series of strategic and tactical documents**
- **Working definition of Encroachment**
- **Description of Encroachment Management Program**
- **Example Encroachment Challenges and Impacts**
- **Description of Encroachment Action Plan**

Why Present This Project?

- **Unique characteristics of the location**
- **Multiple air, land and sea uses and characteristics**
- **Large metropolitan, sea port/bay, airport, government and industry operations, near international boundary**
- **Diverse encroachment drivers and factors**
- **Significant legal and regulatory requirements (CA)**
- **Near the site of the 2010 NASA/C3P Workshop**

Naval Base Coronado, San Diego, CA

- **Naval Base Coronado includes 8 locations with multiple, diverse encroachment threats and risks**
- **Encroachment analysis and strategies are driven by a Navy definition of Encroachment and the Navy Encroachment Management Program**
- **The Encroachment Management Program requires an Encroachment Action Plan of strategies and actions**
- **Prior to developing an Encroachment Action Plan a Baseline Conditions Report is developed**

Encroachment Definition In-Use

- **For the US Navy: “any non-Navy action planned or executed that inhibits, curtails or possesses the potential to impede the performance of Navy activities”**
- **In addition: “the lack of action by the Navy to work proactively with local communities, to monitor development plans, or to adequately manage its facilities and real property could also impact the Navy mission and thereby result in encroachment”**
- **In other words: encroachment may stem from both internal (Navy) and external (civilian) sources**

Encroachment Management Program

- **Primary Objectives:**
 - **Systematic identification, quantification, mitigation and prevention of encroachment challenges... that could potentially impact... operational sustainability**
 - **Coordinated efforts between multiple commands**
 - **Proactive assessment of potential impacts**
 - **Active engagement with local, state, other federal agencies and community leaders to prevent impacts**
- **Promote compatible development of lands in the vicinity of installations**

Encroachment Baseline Conditions Report

- **The Baseline Conditions Report is developed to:**
 - **Provide information on mission requirements and operations at risk to encroachment**
 - **Identify community development conditions and trends, jurisdictional and regulatory influences and other local and regional characteristics that could potentially generate or contribute to encroachment**
 - **Set a framework for the Encroachment Action Plan evaluation of encroachment challenges that may threaten mission sustainability over time**
- **Encroachment Action Plans include strategies and actions to eliminate or reduce encroachment risks**

Encroachment Challenges

- **Urban Development**
- **Airborne Noise**
- **Competition for Air, Land or Sea Space**
- **Competition for Scarce Resources**
- **Threatened and Endangered Species**
- **Maritime Issues**
- **Ordnance/UXO**
- **Safety Arcs and Footprints**
- **Frequency Spectrum**
- **Air Quality**
- **Water Quality**
- **Interpretation of Regulations**
- **Interagency Coordination**
- **Legislative Initiatives**

Encroachment Impacts

- **Avoidance Areas Created**
- **Reduced Usage Days**
- **Prohibition of Training Events**
- **Reduced Range Access**
- **Segmented Training or Reduced Realism**
- **Limitations on New Technologies**
- **Restricted Flight Altitudes and Airspeeds**
- **Inhibition of New Tactics**
- **Restricted Night or All Weather Operations**
- **Reduced Live Fire Proficiency**
- **Increased Costs/ Risks**

Encroachment Action Plan

- **Strategic blueprint for implementing and guiding the Encroachment Management Program at a particular installation**
- **Identifies encroachment issues that are or could potentially affect installation/range operations**
- **Analyzes the underlying factors that may stimulate encroachment threats**
- **Recommends strategies and actions that commanders can use to prevent or mitigate encroachment impacts over time**

Next Steps: Develop the Action Plan

- **Further evaluate each encroachment challenge**
- **Conduct analysis and Strategies Working Sessions with the client Encroachment Working Group**
- **Dialogue potential encroachment threats and feasibility and effectiveness of strategies and actions**
- **Assess risks related to each encroachment threat**
- **Assign priorities for actions**
- **Identify recommended solutions over the long term**

Summary

- **Encroachment analysis and management at a complex location with multiple characteristics and diverse encroachment drivers, threats and risks**
- **Systematic integrated approach**
- **Includes strong participation with community**
- **Several documents driven by a sound definition and a well constructed management program**
- **Hoping to have a follow-up presentation in San Diego in 2010 describing some of the strategies, actions and solutions**