



# Fleet Approach to Operations and Training Sustainability



**NDIA**  
**April 2003**



# Agenda

- At-Sea Policy overview
- CLF/CPF Initiatives
- Routine Training Overview
- Major Training & Exercise Overview
- Range Complex Overview
- TAP Overview
- Take-Aways



# Encroachment Pressures





*“Compliance with Environmental  
Requirements in the Conduct of Naval  
Exercises or Training at Sea”*

*Or the “At Sea Policy”*

- SECNAV MEMO dated 28 DEC 2000
- Applies to routine training at sea, major training exercises and range complexes
  - Not included: combat operations
- Requires OPNAV to provide guidance
  - MEMO includes flowchart for exercises
  - Protective measures under development



# At Sea Policy



## CLF/CPF initiatives

	Routine Training (Unit level)	Major Training Exercises (U.S. or overseas)	Range Complexes
Applicability	Global	Specific Exercise	Specific event within Range Complex
Responsibility	Unit Commanding Officer	<u>Action Proponent/Planning Cell</u> <ul style="list-style-type: none"> <li>• Officer Conducting the Exercise (OCE)</li> <li>• Officer Scheduling the Exercise (OSE)</li> </ul> (CLF/CPF N465s engage with Numbered Fleets, SYSCOMs, and others at IPC/MPC/FPC and Other planning meetings)	Range Manager
Products	Generic protective measures for specific training events applicable anywhere at Sea	<ul style="list-style-type: none"> <li>• National Environmental Policy Act</li> <li>• Executive Order 12114</li> <li>• Operation Orders</li> <li>• Standard Operating Procedures</li> <li>• Additional mitigation measures</li> </ul>	Tactical Training Theater Assessment and Planning <ul style="list-style-type: none"> <li>• Range Complex Management Plans</li> <li>• Marine Species Density Data</li> <li>• Environmental Planning Documents (Environmental Impact Statements)</li> <li>• Range Sustainability Environmental Program Assessment</li> <li>• Operational Range Clearance</li> </ul>
Tools	PMAP - CD-ROM Protective Measures Assessment Protocol (For individual shipboard use)	EIMS – Planning/Scheduling (For environmental planners and operators at staff level)	EIMS – Planning/Scheduling (For environmental planners and operators at staff level)
Timeline	Short-Term (6 months)	Intermediate (1 to 2 years)	Long Term (3 to 8 years)
Cost	inexpensive	\$10M	\$200M



# At Sea Policy



## Routine Training

- Protective Measures Assessment Protocol (PMAP)
  - CD ROM for shipboard use
  - On the spot decisions, GIS format
  - Includes marine sanctuaries, OPAREAs
- Protective Measures
  - Generic measures for marine species
  - Measures are exercise and geographically specific
- Deployment
  - Phase I: *Prototype* System, includes development of Shipboard CD ROM
  - Phase II: Data Availability/Maintenance & Upgrade of System as required



# Major Training Exercises

- Programmatic Environmental Assessments
- Environmental Information Mgt System (EIMS)
  - Single Comprehensive Navy GIS-Based
  - Standard Operational Planning and Scheduling Requirements
  - Data on Sensitive Resources In Ranges and OPAREAs
  - Readily Available Access Software
  - Environmental Planning Tools
  - Remote Access for Multiple Users
- Deployment
  - Architecture development
  - Data base development/sharing



# Range Complexes and OPAREAs

**A comprehensive, integrated process to sustain use of naval training assets by addressing encroachment and environmental compliance issues**

**The primary focus of TAP is operational support.. All TAP related efforts are operationally driven.**

***Goal is to ensure ability to “Train as we fight.”***



# Range Complexes and OPAREAs

## Key TAP terms defined

**Operators**: The war fighting forces who depend on the availability and maximum utility of training range complexes.

**Ex:** Carrier Battle Groups, Numbered Fleets, Air Wings.

**Range Complex**: An organized set of sea and land ranges (including air and subsurface) designated and equipped for freedom of maneuver and practice in firing and live ordnance use against tactical targets.

**Ex:** Jacksonville Complex

*Goal is to ensure ability to "Train as we fight."*



# Jacksonville Range Complex

Land: 20 sq nm      Airspace: 36,670 sq nm  
OPAREAs: 31,750 sq nm (Water)      Total: 40,580 sq nm

## Airspace/OPAREAs

### Ranges

Rodman Target (R-2906)

Lake George (R-2907)

Pinecastle (R-2910)

Townsend (R-3007)

SESEF

### Facilities

FACSFAC Jacksonville

Warning Areas 157, 158, 159

Beaufort TACTS

Mayport MOA

Gator Low MOA 1 & 2

Live Oak MOA

Palatka MOA 1 & 2

Jacksonville OPAREA

OPAREA: A designated ocean area for surface or subsurface Navy training. These areas can be inside or outside the 12-Mile territorial waters limit and may be associated with Special Use Airspace (Restricted Areas or Warning Areas).

Note: Total Area represents the surface footprint of all range components and does not equal the sum of Airspace, OPAREA, and Land Areas due to overlap among the different types of range space.

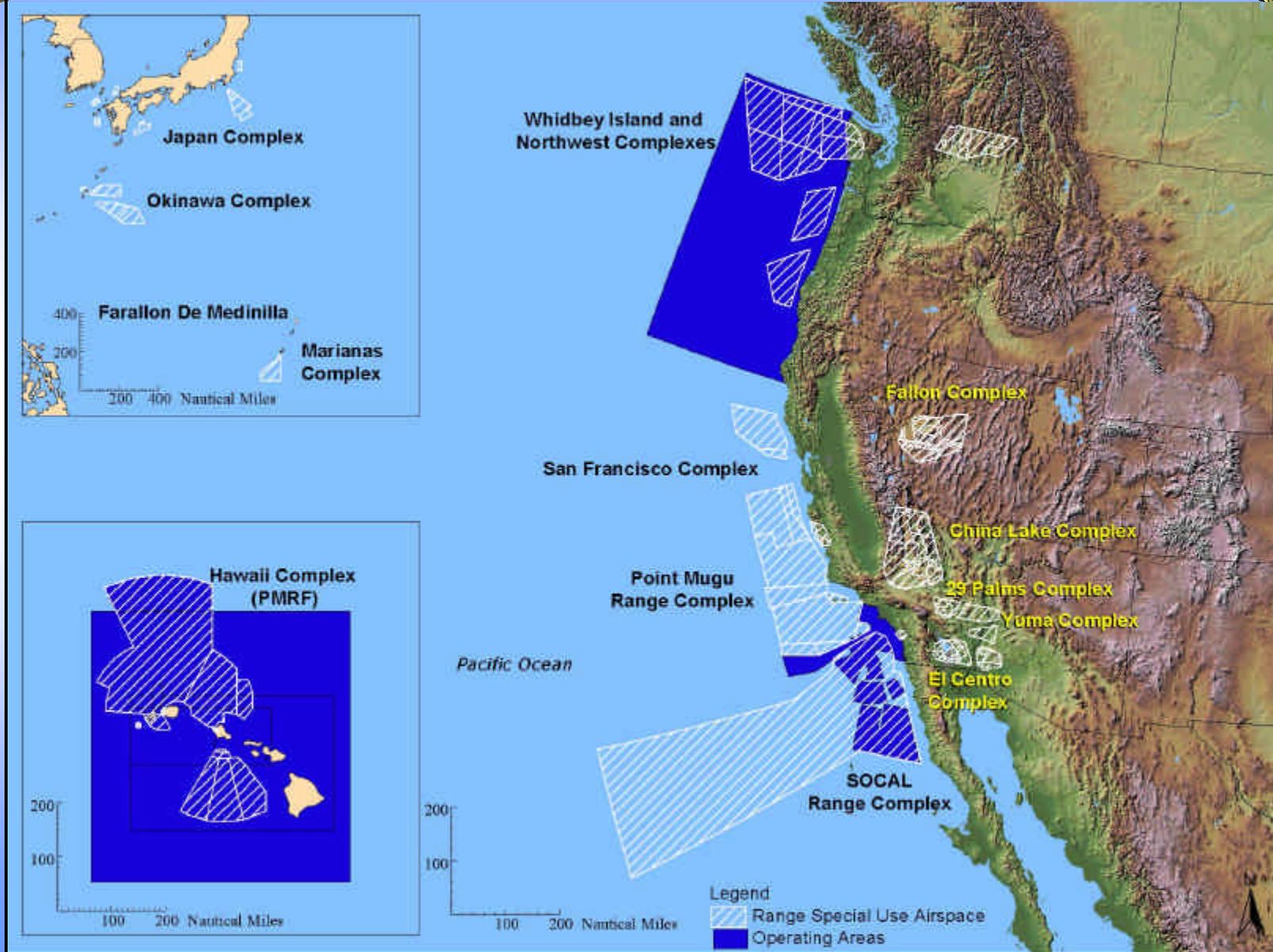


# CINCLANTFLT Range Complexes





# CINCPACFLT Range Complexes







# TAP Products

## Range Complex Management Plan

*TAP document that ties together operational, environmental, and investment products for each individual range complex*

- Complete description of all training areas
- Comprehensive baseline of current range operations
- Strategic vision on 10-year planning horizon
- Analysis of encroachment and sustainment challenges
- Environmental planning requirements
- Community involvement blueprint
- Range investment strategy
- Data adhere to standardized format (GIS, ACCESS) to ensure future compatibility with proposed range management systems
- Prototypes underway; template/guidance to follow



# TAP Products

## Environmental Planning Products

- **EIS/OEIS (NEPA/EO 12114)**
- **Required supporting studies and analysis:**

- Marine Mammal Protection Act Permit Analysis
- Essential Fish Habitat Analysis
- Coastal Consistency Determination
- Cultural Resource Survey/  
Programmatic Agreement
- Endangered Species Act Biological Assessment
- Clean Air Act Conformity Analysis
- Coral Reef Analysis
- Range Air Installation Compatible Use Zones



# TAP Products

## Marine Species Data

*Analyses to support compliance of Navy training at sea with applicable laws (NEPA, MMPA, ESA), regulations & executive orders (OEIS)*

- Comprehensive assessment of marine resources within a range complex:
  - Literature review & compilation of existing data on protected/managed species, habitats, physical environment, and other areas of concern
  - Take analysis, density estimates, mitigation protocols
  - Possible species distribution & abundance surveys to address data gaps identified.
  - Marine acoustic impacts



# TAP Products

## **Range Sustainability Environmental Program Assessment (RSEPA)**

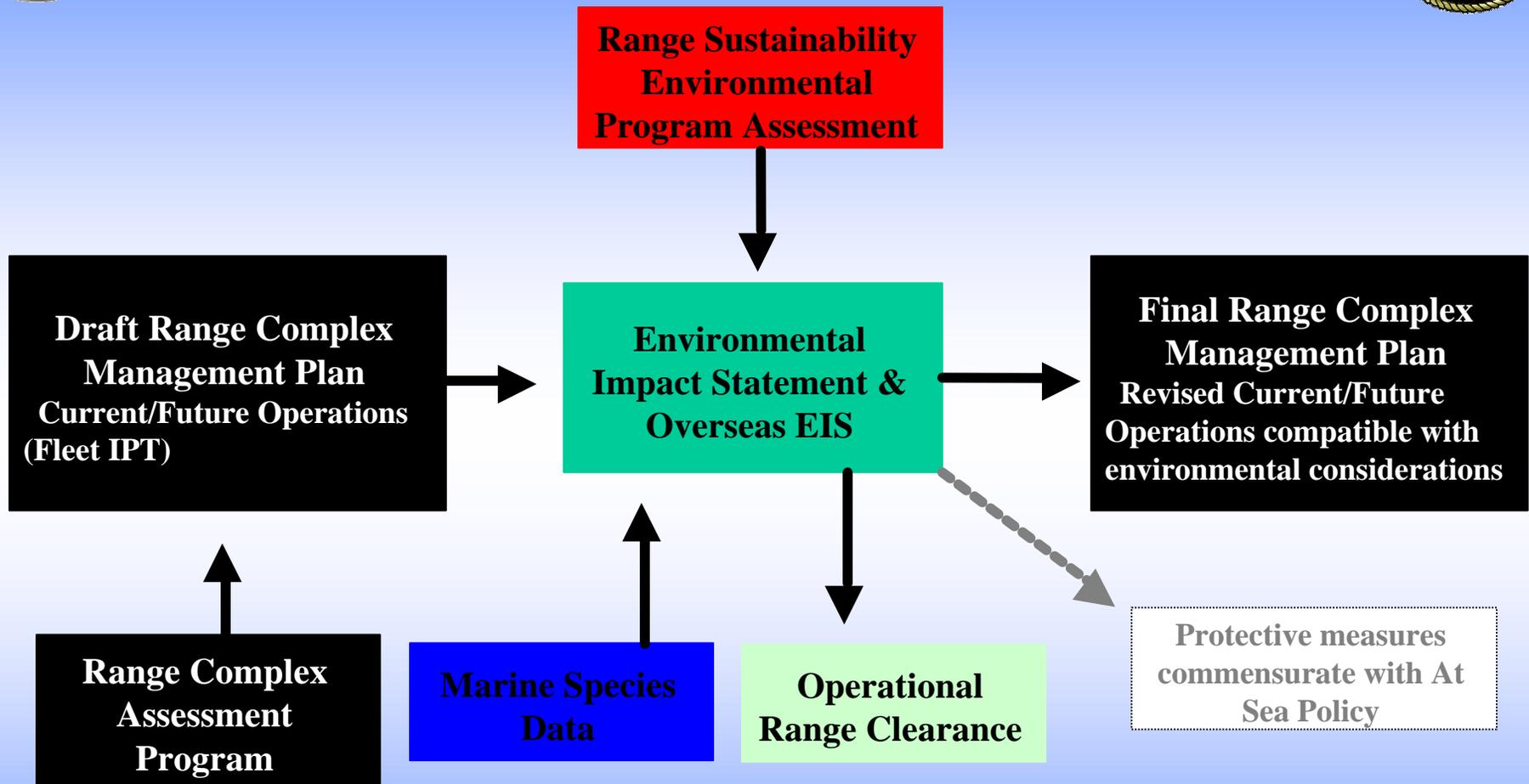
- Addresses issues of range compliance, contamination and off range consequences (Range Condition Assessments)
- Land based ranges only

## **Operational Range Clearance (ORC)**

- Routine clearance of munitions and target debris (not UXO clean up)
- Joint Fleet draft guidance



# TAP Program Flow Diagram





# Take-Aways

- *Navy is unique in that our sustainment issues encompass both land and sea ranges as well as OPS/training at sea*
- *Comprehensive Fleet strategy that encompasses routine training, major exercises and range complexes*
- *Long term process involving large investment of resources (personnel & funds)*