Agenda

• Strategic Foundations
• Department of Homeland Security Principles
• Current Coast Guard Capabilities
• Integrated Deepwater System
• Implementation Plan for the C4ISR Network
• Maritime Domain Awareness
• Navy/Coast Guard Common Goals
• The Way Ahead
U. S. Coast Guard Missions

Homeland Security Missions

• Ports, Waterways and Coastal Security
• Drug interdiction
• Migrant interdiction
• Defense readiness
• Other law enforcement

Traditional Missions

• Marine safety
• Search and rescue
• Aids to navigation
• Living marine resources (fisheries law enforcement)
• Marine environment protection
• Ice operations
21st Century Environment

America’s Homeland & Maritime Security

- Weapons of Mass Destruction
- Maritime Food Supply (Fish)
- Environmental Degradation
- Terrorism
- Sanctions Violations
- Regional Crisis & Conflict
- Arms Trafficking
- Mass Migration
- Smuggling (Aliens & Drugs)
- Crime & Violence
- Safe Ports & Waterways
- Search & Rescue

Impact: Studies predict an increase in the nation’s reliance on the Coast Guard.
The Mandate for Transformation

- Global War on Terrorism
- Maritime Homeland Security
- Maritime Safety

Global Mission Execution
- Surveillance
- Identification
- Classification
- Prosecution
- Detection
Current Coast Guard Capabilities

The average age of our Deepwater cutters is 29...The Coast Guard fleet of High and Medium Endurance Cutters is older than 37 of the 39 (naval) fleets worldwide...
Solution: Integrated Deepwater System

Performance Based:
• Focus on capabilities not assets

Acquisition Strategy:
• *Partner* with system integrator

• Acquire *integrated system of* surface, air, C4ISR, and logistics *systems*

Overarching Objective:
• *Maximize Operational Effectiveness while Minimizing Total Ownership Costs*
System Solution – Network Centric
Implementation Plan for the C4ISR Network Centric Architecture

- Maritime Patrol Aircraft
- Vertical Unmanned Air Vehicle
- Communications Area Master Station
- Modified 123’ Patrol Boat
- National Security Cutter

Network Centric Architecture
Maritime Domain Awareness is accurate information, intelligence, surveillance and reconnaissance of all vessels, cargo and people extending well beyond our traditional maritime boundaries.
Areas of Commonality

- **Navy leverage off Coast Guard**: UAV, Stern launch, ongoing crewing analysis

- **Coast Guard leverage off Navy**: Combat Systems Suite, Maritime Crypto Element, Navy Type/Navy Owned Equipment

- **Navy/Coast Guard work in tandem**: CONOPS development, modularity

- **Navy/Coast Guard intersection**: the vertically launched unmanned aerial vehicle (VUAV).

- **Crew Size**

**Navy’s Littoral Combat Ship**

- LCS and IDS have similar timelines and will share common technologies and systems.
- The Offshore Patrol Cutter (OPC) offers an unparalleled collaborative opportunity.

**Coast Guard Industrial Base Contributions**

- NSC/FRC/OPC provide salient contribution
Vision Statement:

“Keeping the U.S. Coast Guard the world’s best...properly equipped and fully prepared to meet every maritime challenge of the 21st Century.”

Practical Realities – Transformation

• Reliability
• Commonality
• Interoperability
• Affordability
• Durability

The need is real and time is now
Check us out:  www.uscg.mil/deepwater