



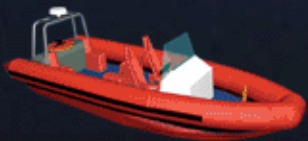
DEEPWATER



Precision Strike Association

Homeland Security

21 January 2004



RADM Patrick M. Stillman
Program Executive Officer



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**



DEEPWATER

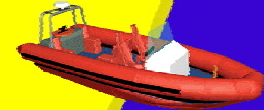
Security Strategy



Reduced Maritime Security Risks

Awareness

Response



Output

Prevention Protection



Enhance
Maritime
Domain
Awareness

Create &
Oversee
Maritime
Security
Regime

Increase
Operational
Presence/
Enhance
Deterrence

Improve
Response
Posture

Input

Authorities

Capabilities

Capacity

Partnerships



U. S. Coast Guard Missions



Homeland Security Missions

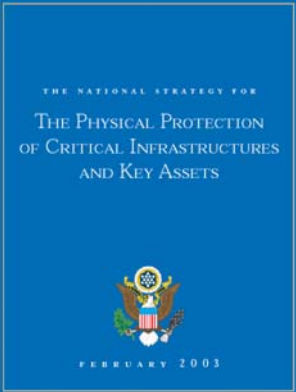
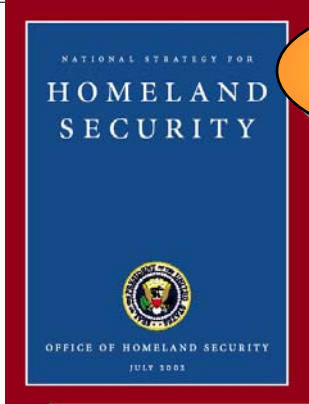
- **Ports, Waterways and Coastal Security**
- **Drug interdiction**
- **Migrant interdiction**
- **Defense readiness**
- **Other law enforcement**

Traditional Missions

- **Marine safety**
- **Search and rescue**
- **Aids to navigation**
- **Living marine resources (fisheries law enforcement)**
- **Marine environment protection**
- **Ice operations**



21st Century Environment



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**





Department of Homeland Security Principles





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...

1985-2005



1984-2004



1972-1997



1965-2008



1964-2007



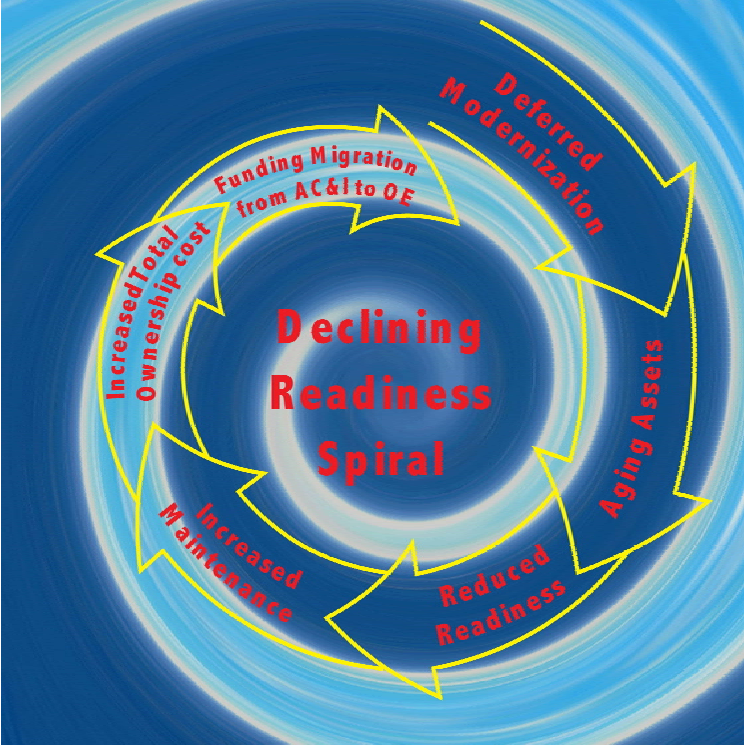
1990-2005



1982-2002



1982-2013



Expiration of Planned Service Life

Year First Commissioned



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



Network Centric Architecture

Modified 123' Patrol Boat



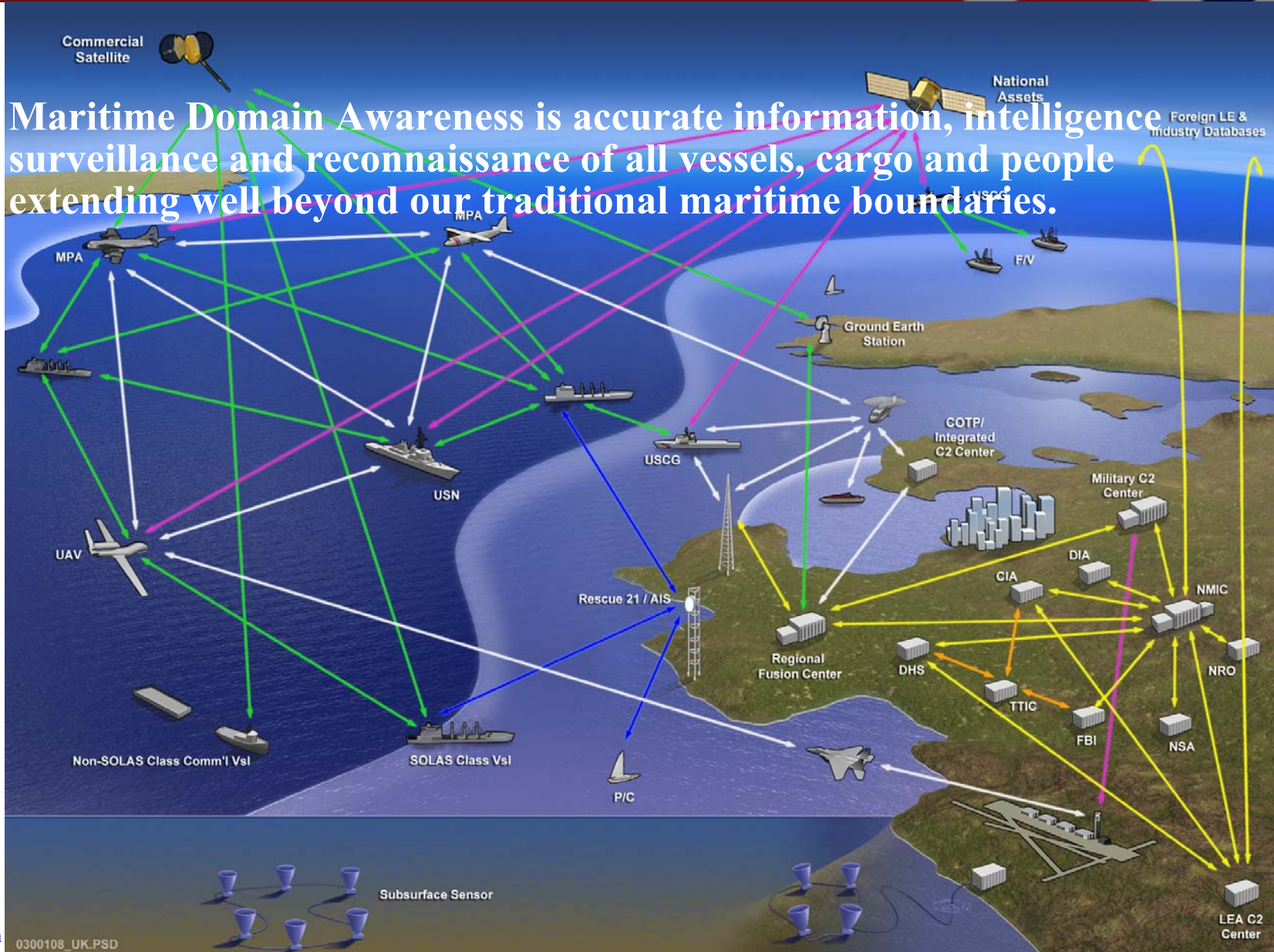
National Security Cutter



Maritime Domain Awareness



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





Navy/Coast Guard Common Goals



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



The Way Ahead



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