N857

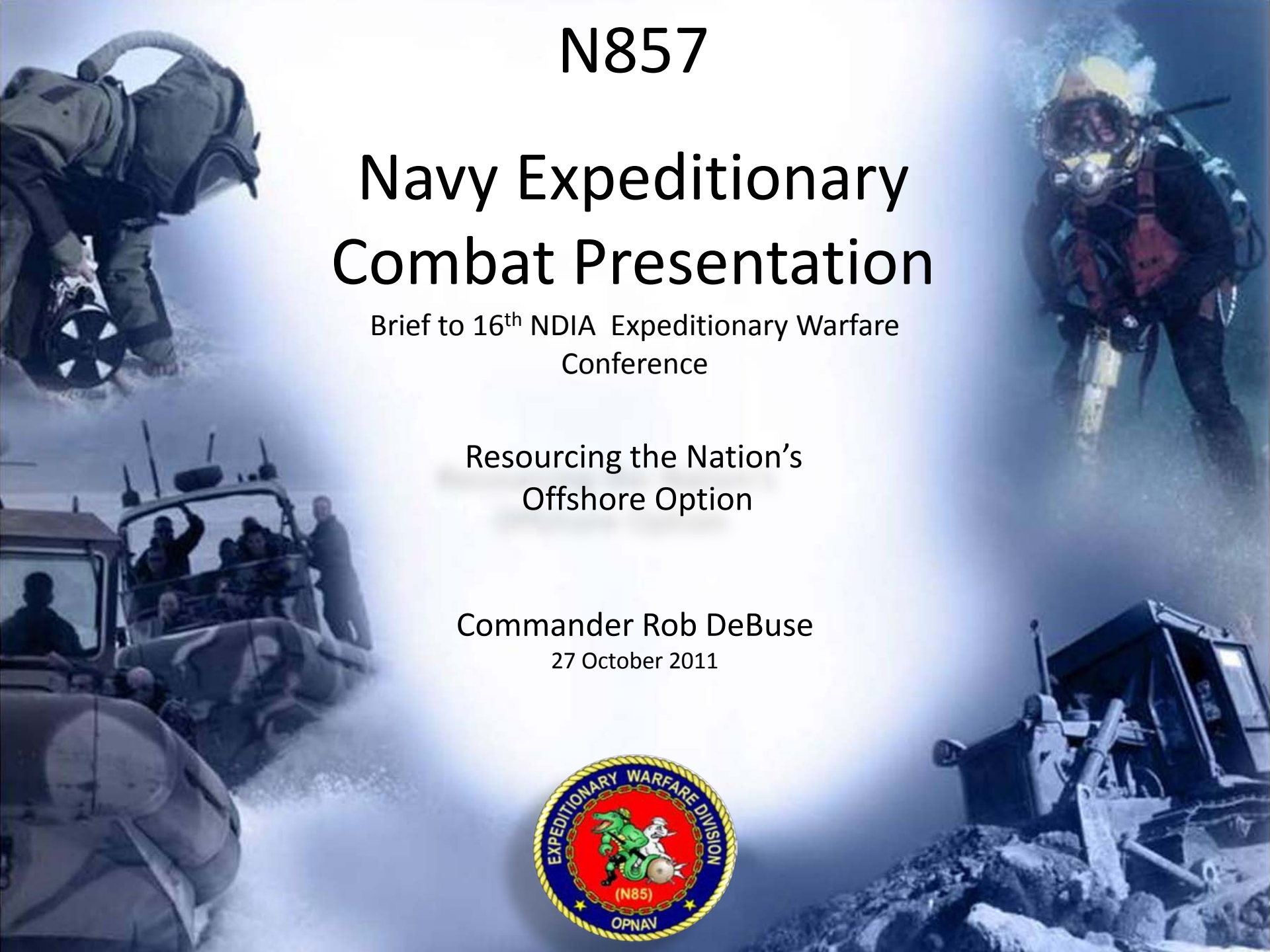
Navy Expeditionary Combat Presentation

Brief to 16th NDIA Expeditionary Warfare Conference

Resourcing the Nation's Offshore Option

Commander Rob DeBuse

27 October 2011




U.S. NAVY EXPEDITIONARY COMBAT COMMAND
EXPEDITIONARY WARFARE DIVISION
(N85)
OPNAV

Endstate: Meet Challenges in an Uncertain Era

- Operating forward across the globe, the Navy will provide the nation offshore options to win today and advance our interests in an era of uncertainty.

  - *Chief of Naval Operations, Admiral John Greenert, "CNO's Sailing Directions" October, 2011*

- Our guiding principle going forward must be to develop technology and field weapons that are affordable, versatile, and relevant to the most likely and lethal threats in the decades to come, not just more expensive and exotic versions of what we had in the past.

  - *Former Secretary of Defense Robert M. Gates, Washington, DC, Tuesday, May 24, 2011*

- In short, we are zero for four in successfully managing defense drawdowns. Each time we reduced the defense budget, we created holes in our military capabilities that had to be bought back at great cost. When we are lucky, that cost was only in dollars. When we are not, the cost is in the lives of our troops.

  - *Former Deputy Secretary of Defense William J. Lynn, III, Center for American Progress, Wednesday, October 05, 2011*

Means: Overarching Acquisition Principles

- Balance technology between current warfighter demand AND the future threat
  - Warfighter demand alone doesn't define the effort
  - OEF/OIF/OND – Must get inside the enemy's OODA Loop
- A streamlined RDT&E process that enables acquisition of future programs that are
  - Strong
  - Defendable
  - Responsive
  - Affordable
- Absolutely vital that the S&T process 'feed, complement, and accelerate' our acquisition process
- Identify 'common' joint systems and leverage current and projected acquisition POR initiatives

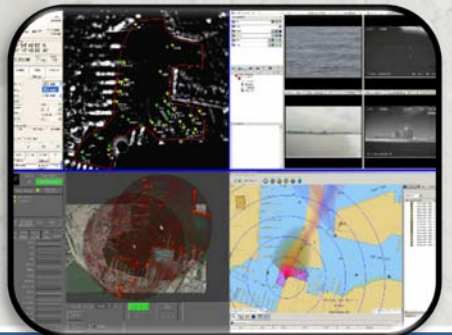
Ways: General Capabilities We Need

Flexible, Responsive, Modular, Ready for Use Systems

- Common architecture (C2)
- "Plug and play" compatibility for unique requirements
- Robust "reachback" capability
- Deployable equipment
- Stock configured for immediate use
- Platform and equipment commonality
- Solutions leverage COTS/GOTS

Consistently more rapid than the enemy's OODA-loop

- Improved sensors
- Autonomous, task-driven systems
- Detect & predict threats (UW, littorals)
- Provide persistent COP
- Joint interoperability
- Open architecture (time and cost savings)
- Multi-mission applicability



Ways: Specific Capabilities in Development

Non-Lethal Effects

- Stand off vessel/vehicle stopping
- Reduced size, weight, and cost of directed energy systems
- Increased range of fielded systems

Unmanned Programs (Air and Surface)

- Modular Unmanned Surface Craft Littoral
- Nighthawk/Seahawk
- Advanced EOD Robotic System
- Advanced Composite Riverine Craft

UMCM UUV Programs

- Mine detect / classify from surf zone to high-water mark
- Organic MCM Without Cued ISR
- Limpet Mine Removal Tool
- U/W Explosive Object Recovery

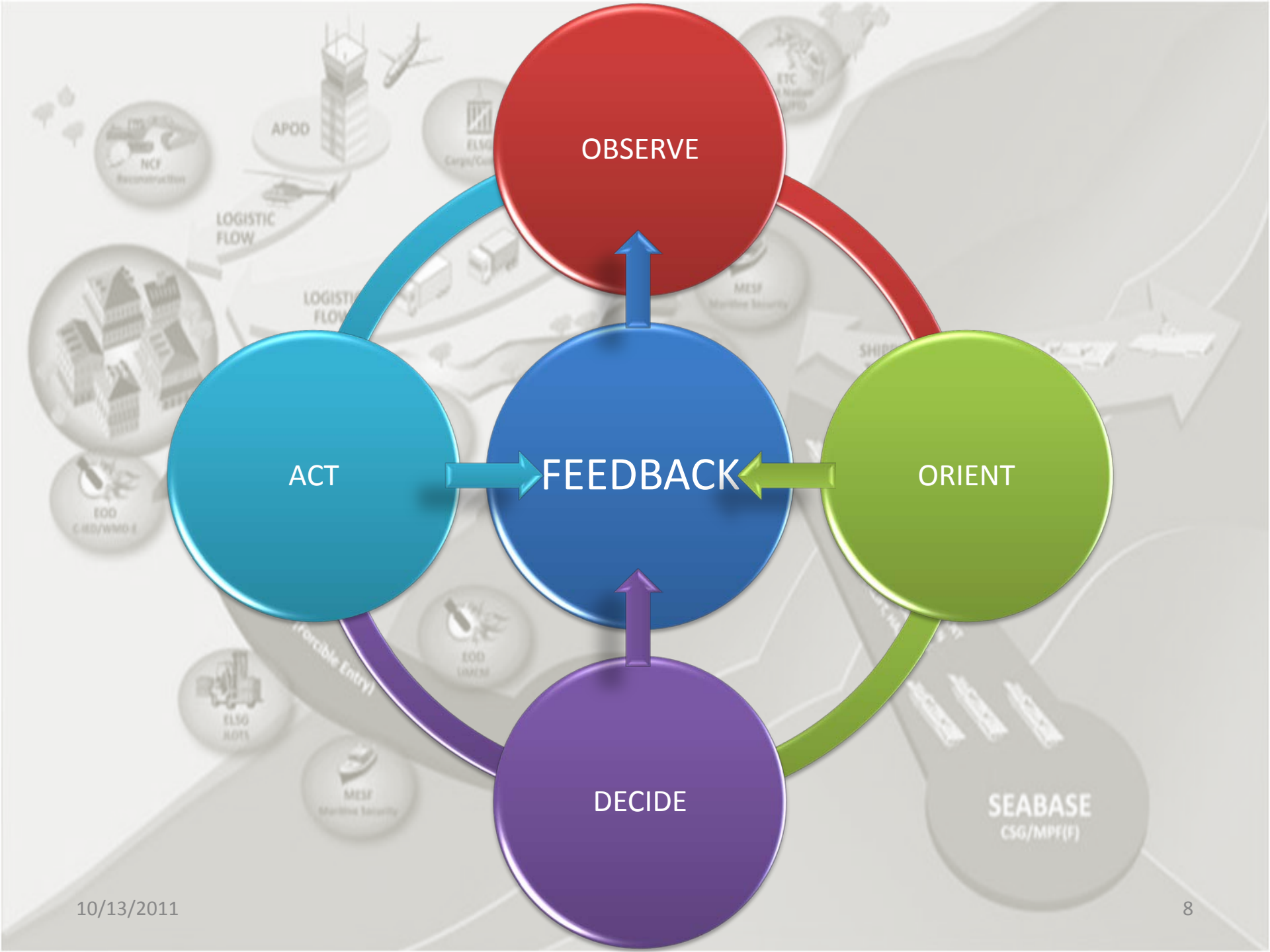
Ways: Energy and C5I Initiatives

Energy Efficiency

- Improved Environmental Control Units
- Hybrid CESE
- Alternate energy sources for expeditionary tent camps
- Solar/Wind Power
- Solar-powered Water purification
- Power Management and Distribution
- Onboard Vehicle Power
- Universal Power Supply

C5ISR Systems

- Joint Expeditionary C3 (JEC3) System
- Migration to Deployable Joint C2 (DJC2) Components
- Blue Force Tracker (BFT)/Combat Identification (CID)


OBSERVE
ACT
FEEDBACK
ORIENT
DECIDE

Bottom Line

- Understand the threat, trends, and requirements
- Look at what capability you can provide, articulate the product or service, and feed it to one of our stakeholders
- Constantly re-examine if your capability can be tailored, adapted, massaged, improved, and lightened to meet the needs of our NECC warfighters' requirements

"I am very impressed and amazed with the way the U.S. Navy has adapted to meet new threats and challenges over the past decade. In Colombia we have over 15,000 kilometers of rivers that our forces are responsible for, and we are engaged in combat almost every day. Seeing NECC's capabilities gives me hope for an even stronger partnership in the future."

- Adm. Alvaro Echandia Duran
Commander of Colombian Naval Forces
Aug. 18, 2011






Engaging N857

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Questions
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