



Expeditionary Warfare Division OPNAV N85



Balancing Resources in Support of Expeditionary Warfare in Complex Joint Operating Environments

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EXPEDITIONARY WARFARE DIVISION



Sea-Strike Sea Shield Sea Base FORCEnet

NAVAL SPECIAL WARFARE



NECC
Persistent
MINE WARFARE

AMPHIBIOUS WARFARE



CSG
Multinational



Diving and Salvage



Engineering Construction

NAVY EXPEDITIONARY COMBAT COMMAND



JOINT SEABASING

Port and Airfield Afloat
Joint Operations & Overcoming Anti-Access Challenges
(Geographic, Political, Threat-based)

MPF (F)

UNCLASSIFIED



... SEABASING

Closure Assembly Employment Sustainment Reconstitution



We are the Nation's Expeditionary Force



Certain Capabilities for an Uncertain World



Balanced Strategy



“My fundamental concern is that there is not commensurate institutional support - including in the Pentagon – for the capabilities needed to win today’s wars and some of their likely successors.”

“We must not be so preoccupied with preparing for future conventional and strategic conflicts that we neglect to provide all the capabilities necessary to fight and win conflicts such as those the U.S. is in today.”

“DoD’s conventional modernization programs seek a 99% solution over a period of years. Stability and counterinsurgency missions require 75% solutions over a period of months.”

Robert M. Gates, *A Balanced Strategy: Reprogramming the Pentagon for a New Age*, *Foreign Affairs*, Jan/Feb 2009



Requirements and Resources



A flexible, balanced Expeditionary Force to meet warfare demands

Maritime Strategy... It's About Integration

Executing the Maritime Strategy:

- Building Partnership Capacity
 - African Partnership Station
 - Pacific Partnership
 - Partnership for the Americas
- Humanitarian Relief / Disaster Response
 - Caribbean / New Orleans
- Maritime Security
 - Horn of Africa / 5th Fleet
 - Anti-Piracy
 - GFS / MIO / AT/FP
- Forward Deployed Naval Forces
 - ESGs/MEU/ARG/
 - OIF/OEF Deployments





“Expeditionary” Energy Roadmap

5 – yr

- LCAC Full Motion Trainers
- Improved Environmental Control Units
- Onboard Vehicle Power
- Man-Portable Power Sources
- Integrated Generator – Environmental Control

10 – yr

- Bio Fuels
- Improved LCAC lift fan & props
- Hybrid CESE
- Improved LCAC gas turbines
- Fuel cells
- Alt energy sources for tent camps

30 – yr

- LCAC hybrid engines
- Electric drive
- LCAC lightweight hulls

SECNAV 5 Energy Goals

- Change the way the Navy and Marine Corps award contracts during the acquisition process to consider the lifetime energy cost of the system
- By 2012, create a "Green Strike Group" composed of nuclear vessels and ships powered by biofuels and deploy that fleet by 2016
- By 2015, reduce petroleum use in its 50,000 commercial vehicle fleet by 50 percent by phasing in hybrid fuel and electric vehicles
- By 2020, produce at least half the shore-based energy requirements from renewable sources, such as solar, wind and ocean generated by the base
- By 2020, ensure at least 40 percent of the Navy's total energy consumption comes from alternative sources

“In order to lower our reliance on fossil fuels, we need to improve the efficiencies of our systems and develop platforms that operate as a system of systems, are integrated together, and reduce our tactical vulnerability.” SECNAV Mabus, Naval Energy Forum, 14 Oct 09



Seabasing

An aggregation of capabilities, enabled by various maritime platforms based upon the need, that allows for flexibility.



Expeditionary Strike Groups



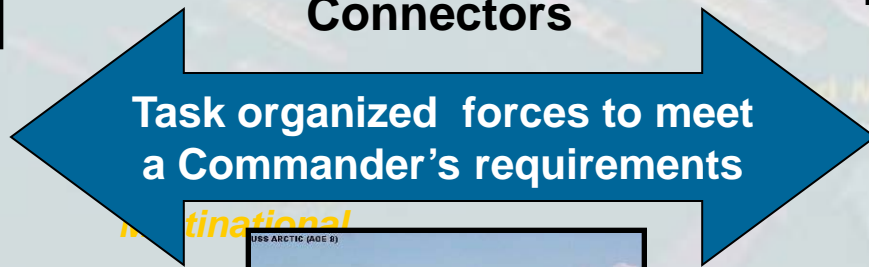
Carrier Strike Groups



Connectors



Maritime Preposition Forces



Task organized forces to meet a Commander's requirements



Combat Logistics Force Ships



Coalition Force & Sister Service Ships

... mission drives organization



Challenges



- ***Developing a Balanced and Flexible force to meet our Nation's challenges***
- ***Meeting requirements of Irregular Warfare***
- ***Implementation of new Aviation Operations (JSF and MV-22) on new platforms***
- ***Vehicle Square and Weight Issues***
- ***Integration issues with Commercial Off The Shelf (COTS) technology***

All of these challenges require:

- ***Innovative thinking***
 - ***Acquisition Agility***
 - ***Rapid Science & Technology Integration***
 - ***Requirements Development***

Questions?



<http://www.navy.mil/n85/>

Enabling Joint Operations & Overcoming Anti-Access Challenges
(Geographic, Political, Threat-based)