



# *Navy Expeditionary Combat Command*

**National Defense Industrial Association  
Joint Missions Conference**

**CDR Jim “JT” Turner USN**

**31 August 2011**

**THIS BRIEF CLASSIFIED:**

**UNCLASS**



# Navy Expeditionary Combat Command



Providing rapidly deployable and agile expeditionary forces, made up of active duty and reserve mission specialists, to warfare commanders in support of maritime security operations around the globe.



Riverine



Naval Construction  
(Seabees)



Explosive Ordnance  
Disposal



Maritime  
Expeditionary  
Security



Expeditionary  
Intelligence



Combat Camera



Expeditionary  
Logistics



Maritime Civil  
Affairs & Security  
Training



Expeditionary  
Combat Readiness



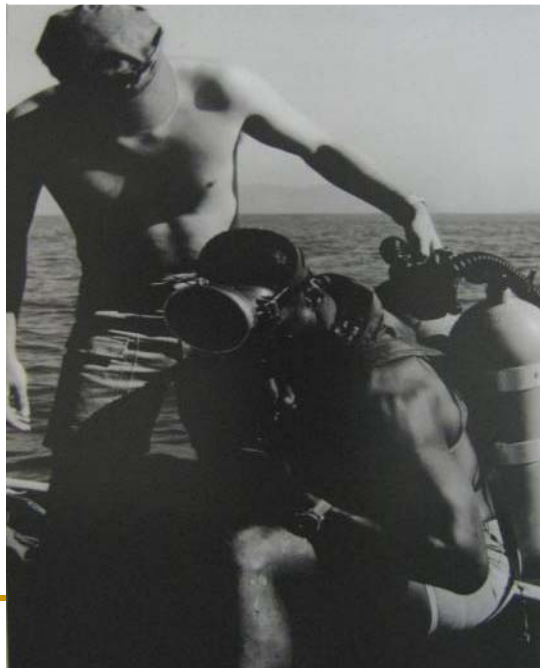
Navy Seabee WWII 1945



Navy Seabee Today



Navy EOD Vietnam 1966



Navy Explosive Ordnance Disposal Today





Riverine Vietnam 1965



Riverine Today



Navy Expeditionary Logistics WWII 1945



Navy Expeditionary Logistics Today



*Adaptive, Responsive, Expeditionary*



### Expeditionary Diving Japan 1972



### Expeditionary Diving Today



### Navy Intel Brief Normandy WWII 1945



### Expeditionary Intel Today



### Navy Outreach (Civil Affairs) – Japan 1908



*Apr 1907 Japanese visitors aboard USS Florida*

NECC

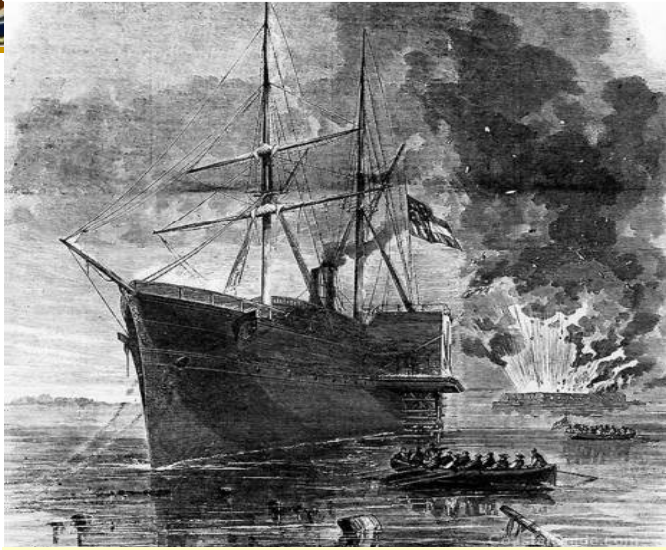
### Maritime Civil Affairs Haiti 2010



*Adaptive, Responsive, Expeditionary*



# Maritime Expeditionary Security Civil War 1862



Credit: CoastalGuide.com

# Combat Camera WWII 1945



NECC

# Maritime Expeditionary Security Today

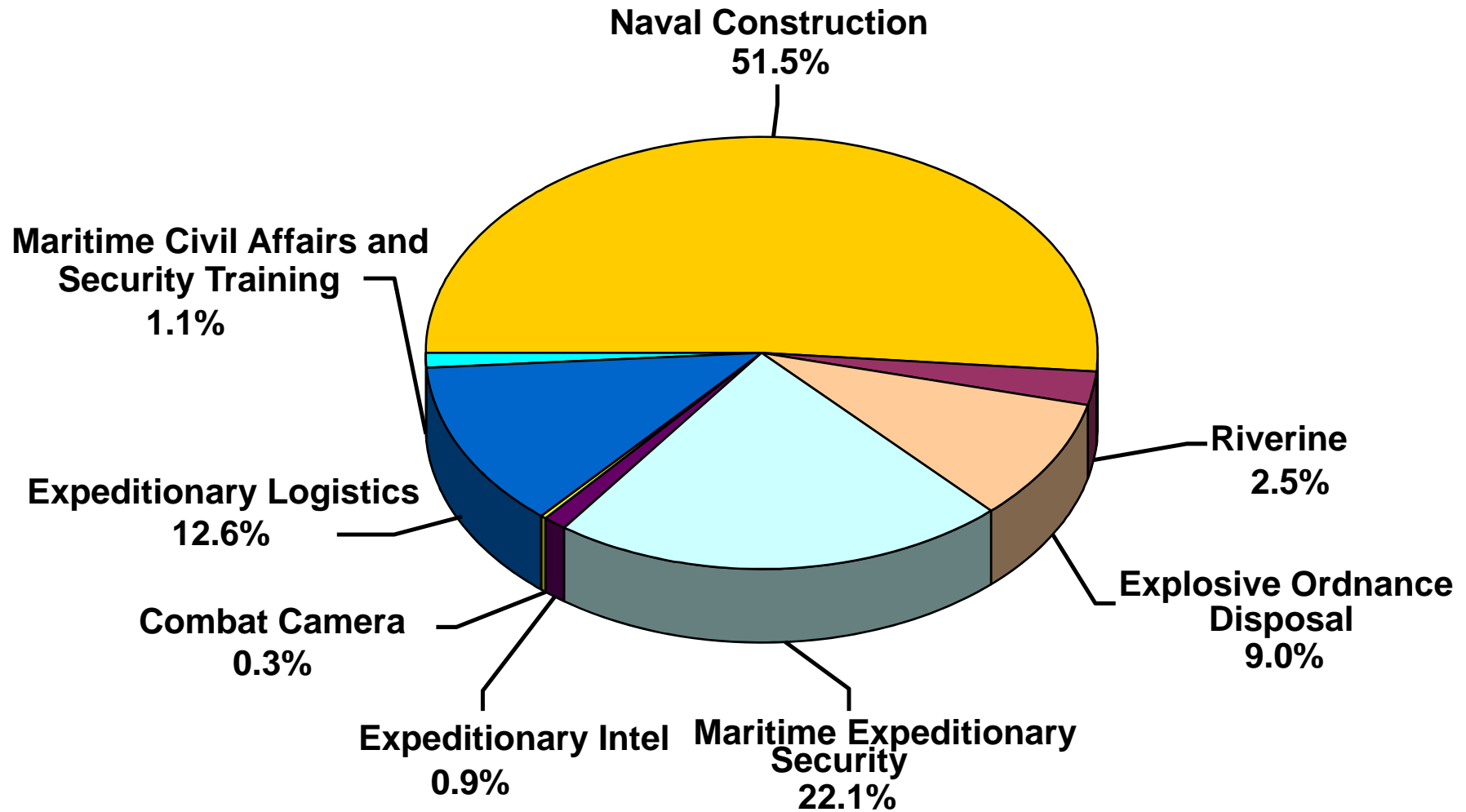


# Expeditionary Combat Camera Today





# NECC At A Glance



**53 percent of NECC Forces are Reserve Component**



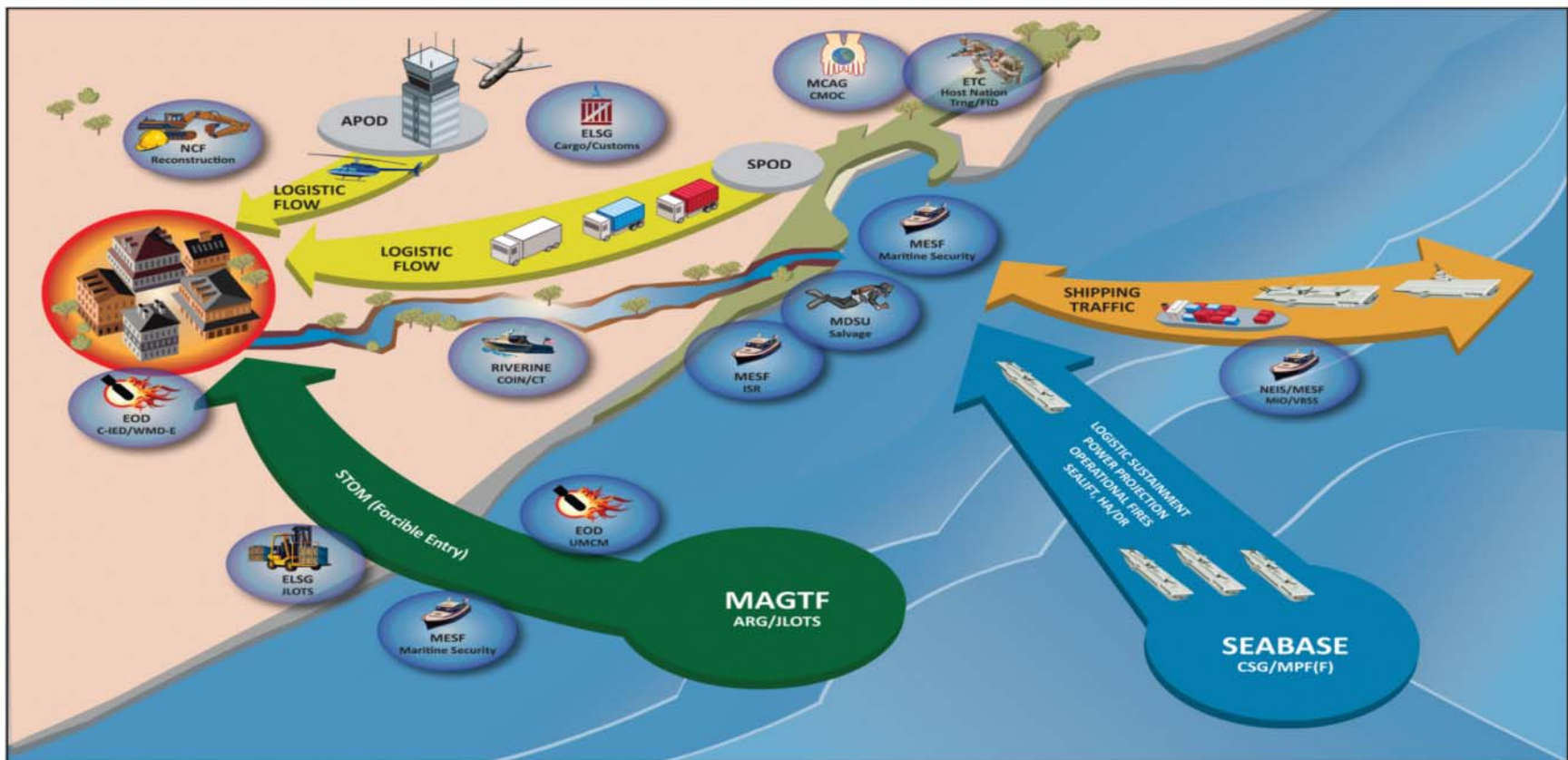
# NECC Battlespace

Where we work and where we fight



## NECC OV-1

Phase 1 - 5 Operations



NECC

Adaptive, Responsive, Expeditionary





UNCLASSIFIED



# NECC Ops & Engagements

## NORTHCOM

**OPERATIONS:**  
 JTFEXS  
 PATRIOT PARTNER  
 GOLDEN CARGO  
 CONTINUING PROMISE (USNS COMFORT)  
 JLOTS  
 UNITAS GOLD  
 TRIDENT ARCH  
 JAVELIN THRUST  
 CITADEL GALE  
 DELMAR

## EUROM

**OPERATIONS:**  
 CTF-68-  
 NCF/MESF/EOD/NEIC/  
 MDSU  
 SOCEUR CIF – EOD  
 JTF EAST - NCF

**ENGAGEMENTS/EXERCISES:**  
 SEA BREEZE  
 UKRAINE MARITIME SECURITY  
 BLACK SEA PARTNERSHIP  
 LOYAL MARINER  
 BRILLIANT MARINER  
 BRILLIANT MIDAS  
 JOINT WARRIOR  
 TUNISIA

## CENTCOM

**OPERATIONS:**  
 MNF-W:  
 RIVERINE/EOD/NCF/  
 MESF/NAVELSG/NEIC/  
 MCAG  
 CJSOTF: NCF/EOD/  
 COMCAM/ MCAG  
 NAVCENT/C5F:  
 MESF/NEIC/EOD/  
 NAVELSG

**ENGAGEMENT/EXERCISES:**  
 NATIVE FURY  
 EGYPT EOD CIED  
 JORDAN EOD CIED  
 BEIRUT EOD CIED  
 SAUDI ARABIA CIED

## PACOM

**OPERATIONS:**  
 PACFLT/C7F SUPPORT -  
 NCF/MESF/EOD/MDSU  
 JSOTF-P – MESF/MCAG/NCF

**ENGAGEMENT/EXERCISES:**  
 CARAT  
 PACIFIC PARTNERSHIP STATION  
 COBRA GOLD  
 KEY RESOLVE  
 TALON VISION  
 CONTINUING PROMISE PACIFIC (USNS MERCY)  
 PROJECT FRIENDSHIP  
 FOAL EAGLE  
 ULCHI FOCUS LENS  
 FREEDOM GUARDIAN  
 DEEP FREEZE  
 MIATA  
 IWOJIMA MINEX  
 DUGONG MINEX  
 BALIKATAN  
 HONG KONG EODEX  
 SPITTING COBRA  
 EOD SMEE  
 TALISMAN SABER

## SOUTHCOM

**OPERATIONS:**  
 JTF GTMO – NCF/COMCAM  
 NAVSOUTH - PANAMA CANAL  
 TRANSITS – MESF

**ENGAGEMENTS/ EXERCISES:**  
 PANAMEX  
 JLOTS  
 CONTINUING PROMISE (USNS COMFORT)  
 BEYOND THE HORIZON  
 PROJECT FRIENDSHIP  
 SOUTHERN PARTNERSHIP STATION

## AFRICOM

**OPERATIONS:**  
 JTF-HOA –  
 NCF/MCAG/NEIC/EOD  
 11

**ENGAGEMENT/EXERCISES:**  
 JTF HOA  
 FLINTLOCK  
 WATC  
 AFRICAN PARTNERSHIP STATION  
 GULF OF GUINEA  
 CAMEROON  
 SEYCHELLES

NECC

Adaptive, Responsive, Expeditionary

UNCLASSIFIED



## *Technology Challenges*



- **Technology driven by balancing current warfighter demand AND the future threat**
  - Warfighter demand alone doesn't define the effort
  - OEF/OIF/OND – Get inside the enemy's OODA Loop
  
- **We need a streamlined RDT&E process that leads to a strong, defensible, responsive, affordable acquisition process that supports future requirements**
  
- **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**



## *Technology Initiatives: C4ISR for Joint Integration*



- **Joint Expeditionary C3 (JEC3) System**
- **Deployable Joint C2 (DJC2) Program of Record**
- **Blue Force Tracker (BFT)/Combat Identification (CID)**
- **Link-16 Small Tactical Terminal (STT)**



## *Technology Initiatives: Underwater Mine Counter-Measure Programs*



- **Mine detection and classification from the surf zone to the high-water mark and inland**
- **Organic Mine Clearance Without Cued ISR**
- **Limpet Mine Removal Tool**
- **U/W Explosive Object Recovery**



# Technology Initiatives: Underwater Mine Counter-Measure Programs (Continued)



## Hydroid, Inc. (REMUS)

### Mk18 Mod 1 UUV

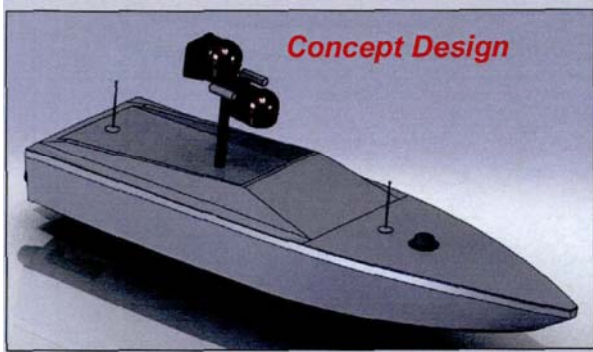


### Hull Unmanned Underwater Vehicle Localization System (HULS)





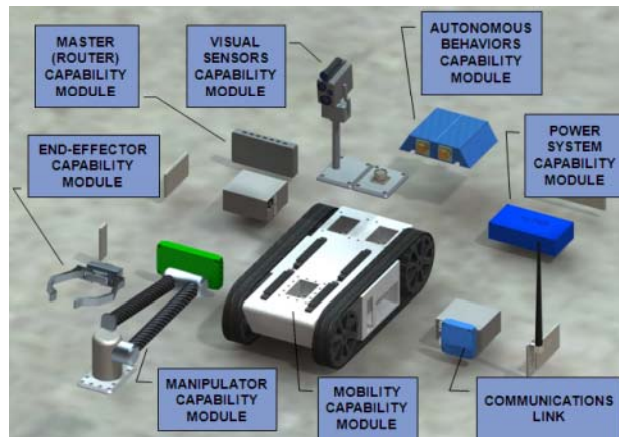
# Technology Initiatives: Unmanned Air and Surface Programs



**Modular Unmanned Surface  
Craft Littoral**



**Advanced Composite Riverine  
Craft**



**Advanced EOD Robotic System**



**Small UAVs**



**Riverine Intercoastal Operations**



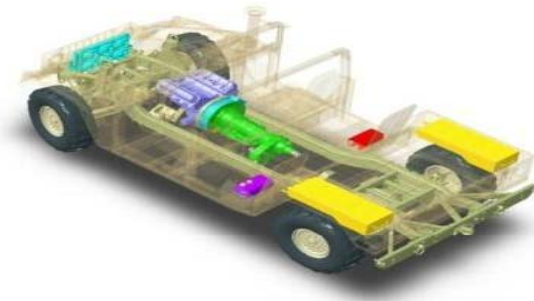
# Technology Initiatives: Energy



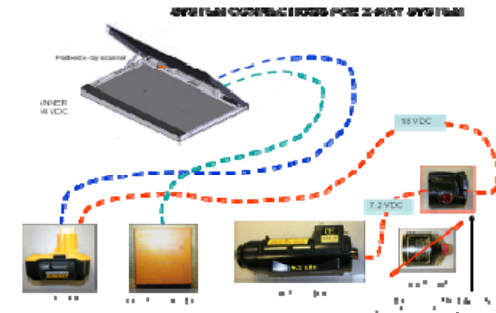
## Solar Water Purification



## Onboard Vehicle Power



## Expeditionary Power Management & Distribution



## Solar/Wind Power

## Universal Power Supply



## *What Can NDIA Do For Us?*



- 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





# Questions?

- **NECC Points of Contact:**
  - **CDR Jim Turner, NECC N9**  
757-462-4316 X225  
james.turner1@navy.mil
  - **Dr. Marty Irvine, NECC Science Advisor**  
757-462-4316 X238,  
martin.irvine@navy.mil

