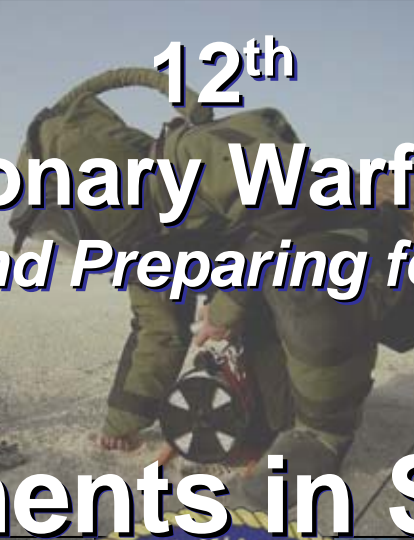
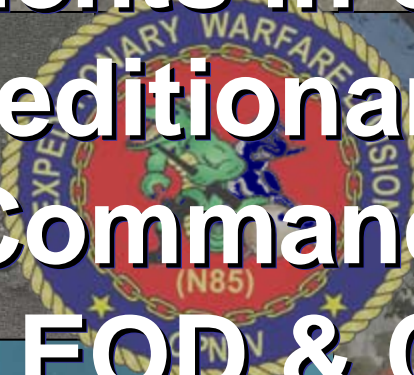


12th

NDIA Expeditionary Warfare Conference

"Fighting Today...And Preparing for Future Challenges"

Requirements in Support of Navy Expeditionary Combat Command, Joint EOD & CREW



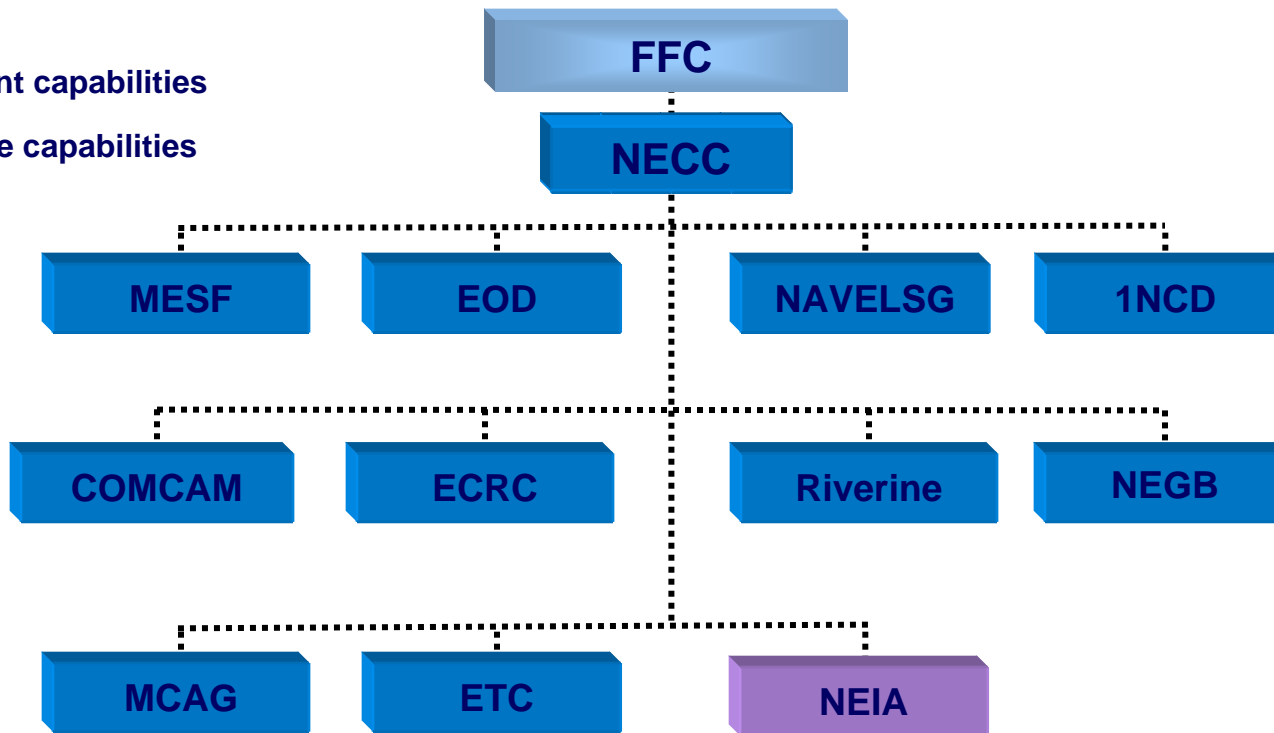
CAPT Ted Lucas
Branch Head, EOD & NCW (N857)



NECC Forces

 Current capabilities

 Future capabilities



Maritime Expeditionary Security Force (MESF)

Explosive Ordnance Disposal (EOD)

Navy Expeditionary Logistics Support Group (NAVELSG)

First Naval Construction Division (1NCD)

Combat Camera (COMCAMLANT)

Expeditionary Combat Readiness Center (ECRC)

Maritime Civil Affairs Group (MCAG)

Expeditionary Training Command (ETC)

Navy Expeditionary Guard Battalion (NEGB)

Navy Expeditionary Intelligence Activity (NEIA)

Task Organized for Expeditionary Warfare



NECC Missions

JTF Commander

JFMCC





Maritime Expeditionary Security



- NCW to MESF transition, October '07
 - Increases capability & capacity
 - adaptive force package concept
 - Comms Dets, Sensor Dets, Boat Dets, Security Dets
- Active/Reserve Mix
 - 37% AC / 63% RC



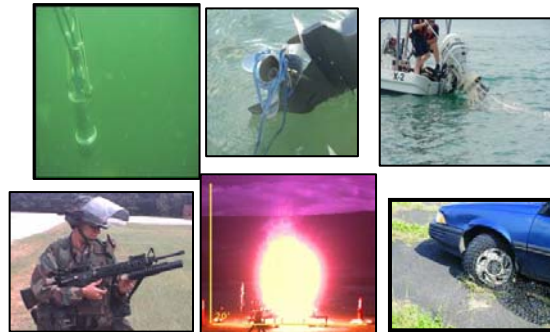


Non Lethal Capabilities

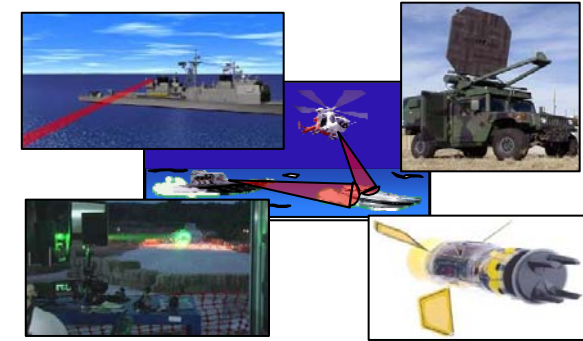
Now



Near



Next



FY06

FY07

FY08

FY09

FY10

FY11

FY12

FY13

FY14

2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q
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- 12 Gauge Point, Area & Flash Bang
- 40mm Point & Area Rounds
- Stun Grenade
- Sting Ball Grenade
- TASERs
- Caltrops/Stinger Spike Strips
- Acoustic Hailing Device
- Laser Dazzler
- Shoulder Launch Running Gear Entanglement System (RGES)

- Vehicle Lightweight Arresting Device (VLAD)
- Boat Launched Running Gear Entanglement System (RGES)
- BoatTrap
- Air Gun
- Underwater Loudhailer (E-Loud)
- Long Range High Powered Laser Dazzler
- Extended Flash Bang

- Continuous Wave Swimmer Engagement
- Active Denial Technologies
- Radio Frequency Boat Stopper
- Long Range Human Electro-Muscular Incapacitation (LR HEMI)



Single Manager for Joint Service EOD

Provides RDT&E, procurement, and life cycle support for specialized systems, equipment and procedures required to support the EOD mission. Goal is for mission accomplishment while reducing personnel exposure

EOD FUNCTIONS

- DETECT/LOCATE
- ACCESS
- DIAGNOSTICS (IDENTIFY/EVALUATE)
- RENDER SAFE
- NEUTRALIZE
- RECOVER
- EXPLOIT/INTEL
- DISPOSE



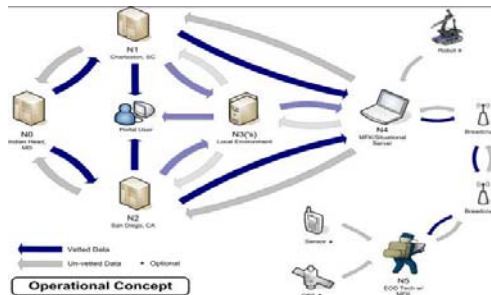
EOD THREAT AREAS

- IMPROVISED EXPLOSIVE DEVICES (IED)
- UNEXPLODED ORDNANCE (UXO):
 - SURFACE/AIR
 - UNDERWATER
- CBRN:
 - IMPROVISED WMD (CHEM/BIO/NUCLEAR)
 - NUCLEAR MUNITIONS
 - CHEM/BIO MUNITIONS

Wide scope of technology applications fielded at a rapid pace to keep step with an evolving threat



AN/PDX-2 Radiac Set





Joint CREW Programs

- **Joint Counter Radio-Controlled Improvised Explosive Device Electronic Warfare Programs**
- **Secretary of the Navy** designated as the **DoD Executive Agent for Military Ground-Based CREW Technology**.
- **Acquisition management for all Joint CREW Acquisition efforts** including legacy, developmental, and product improvements for CREW tools and equipment, up to Milestone C.
- **Technical development, approval, and distribution** of all CREW technical information necessary for the initial fielding of CREW tools and equipment.
- Provide for the **standardization of CREW** tools, equipment, and technical information among the Military Services to ensure interoperability and maximize efficient utilization of DoD RDT&E funding and other resources.
- Support **coalition partner and foreign military sales** cases for CREW technology.
- Current JCREW Programs include:
 - Joint CREW acquisition (JCREW 3.3) program of record - development of the **next generation** suite of worldwide deployable CREW systems
 - Dismounted and mounted CREW systems to meet urgent operational requirements of US deployed forces (JIEDDO funded)
 - Convoy Planning Tool





Where Can You Help NECC

- NECC Technology Initiatives
 - Unmanned Aerial Vehicles (UAVs)
 - Tier I (Portable, Short-Range, near disposable)
 - Unmanned Surface Vehicles (USVs)
 - Integrated Armor
 - Distributed Network Sensors
 - High-Tech EO Sensors
 - Next Generation Weapons





Where Can You Help EOD

- **Sensor Technologies**
 - Electronics, chemicals, radiological, explosives, ordnance
 - Buried, underwater, maximized standoff
 - Localization and Identification
- **Remote and Autonomous Technologies**
 - Communications & interfaces
 - Platform and fine-manipulation
 - Surface, air, underwater
- **Neutralization Technologies**
 - Electronics, chemicals, radiological explosives, ordnance
 - Buried, underwater, maximized standoff
 - Spectrum of effects: inactivate, low-order, high-order



Where Can You Help JCREW

Joint CREW S&T Broad Agency Announcement (BAA)

- Major Areas

- Antennas and amplifiers
- Receivers/Processing/Modulators/System Integration
- Modeling and Simulation
- Common Timing and Electromagnetic Compatibility
- Other CREW Technologies

- BAA

- Open through March 08
- JIEDDO BIDS process